NICHE
KANYAKUMARI
DEEMED-TO-BE-UNIVERSITY

NOORUL ISLAM CENTRE FOR HIGHER EDUCATION

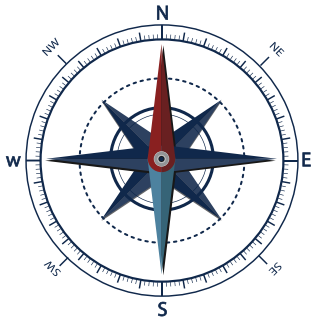
VIBRANT CAMPUS | CUTTING-EDGE RESEARCH
IMPECCABLE PLACEMENT RECORD | 50+ SCHOLARSHIP SCHEMES

PROSPECTUS 2025-2026

APPROVALS / ACCREDITATIONS

शिक्षा मंत्रालय
MINISTRY OF EDUCATION
सत्यमेव जयते

UGC
AICTE
DGS
भारतीय पुनर्वास परिषद्
RCI
AIU
INTERNATIONAL ASSOCIATION OF UNIVERSITIES
NAAC



KANYAKUMARI

Climate: Equitable Climate Throughout the Year
Mean Yearly Temperature: **26.9 ˚C | 80.4 ˚F**
Precipitation: **793 mm | 31.2** Inches Per Year
Latitude: **8.08Â˚N**
Longitude: **77.57Â˚E**
DMS Long : **77˚ 32' 18.4272" E**
Average Elevation: **300** mts
GPS Coordinate: **8˚ 5' 17.9016" N & 77˚ 32' 18.4272" E**

WELCOME TO THE KNOWLEDGE PLANET

Education Amidst Nature's Tranquility

Noorul Islam Centre for Higher Education (NICHE) spans over 550+ acres of lush greenery, providing a serene and inspiring environment for learning and research.
The vast campus is nestled amidst picturesque landscapes, offering students a peaceful atmosphere conducive to academic excellence. With state-of-the-art infrastructure harmoniously integrated into nature, the institution promotes sustainable development and eco-friendly initiatives. The expansive grounds house modern laboratories, research centers, libraries, and residential facilities, ensuring a holistic educational experience. The natural surroundings enhance creativity, innovation, and well-being, fostering a deep connection between education and the environment.

Green Oasis

Noorul Islam Centre for Higher Education (NICHE) is renowned for its sprawling green campus, which spans over 550 acres of lush landscapes and eco-friendly infrastructure. The institution is committed to sustainability, with extensive tree cover, well-maintained gardens, and eco-conscious initiatives that create a refreshing and serene learning environment.
The campus is designed to promote biodiversity, featuring organic farming, rainwater harvesting, and renewable energy sources. With its pollution-free surroundings and emphasis on environmental conservation, NICHE provides students with a harmonious blend of nature and academics, fostering a sense of responsibility toward sustainable living and ecological balance.

The strategic positioning of NICHE is the most ideal one for a university.

Why?

Within a radius of 60km,
there is an Industrial Park, Sea Ports, Aerospace Center, Nuclear Power Plant, Space Research Center, IT Parks, Wind Farm, Dam, and Hydroelectric Power Project, to name a few.

Opportunity for Engineering students to explore and learn about all the fields.

Industrial visits and Recreational Activities can make the students motivated and innovative.

Internships and job opportunities in the world's most prestigious organisations.

Kudankulam Nuclear Power Plant
The largest Nuclear Power Plant in India

ISRO Propulsion Complex Mahendragiri

Pechiparai Dam, Kanyakumari

Kodayar Hydro Electric Power Project, Kanyakumari

Within a radius of 60km

NICHE
KANYAKUMARI
DEEMED-TO-BE UNIVERSITY

Technopark
Trivandrum

VSSC | ISRO
Trivandrum

Adani Vizhinjam
International
Motherport
Trivandrum

Brahmos
Aerospace
Trivandrum

NIIST | CSIR
Trivandrum

IREL (India) Limted
Manavalakurichi

Muppandal Wind Farm
India's Largest Operational
Onshore Wind Farm

NOORUL ISLAM
CELEBRATING 7 DECADES OF EXCELLENCE

1954 Founded the first Industrial Training Institute (ITI) at Amaravila under MGTI

1967 Aircraft Electronics Engineering started under DGCA, Delhi

1984 Started Polytechnic College in Punkarai, Kanyakumari

1989 **NICE Started**
Started Noorul Islam College of Engineering (NICE), the first engineering college in Kanyakumari and Trivandrum District, with B.E. Computer Science & Engineering and B.E. Electronics & Communication Engineering

1993 Started B.E Electrical and Electronics Engineering

1994 **B-School Started**
Started MBA - Master of Business Administration

1995 Started B.E Mechanical Engineering
MCA - Master of Computer Applications

1997 Started B.E Electronics and Instrumentation Engineering

1998 Started B.Tech Information Technology

1999 Started Arts & Science college, Affliated with MS University, Tirunelveli

2002 **Awards from TN Govt.**
Popularization of Science Awards by the Government of Tamilnadu.
Started M.E Computer Integrated Manufacturing

2004 Started B.E Aeronautical Engineering

2005 **Mass Years**
NIMS Medicity Campus started at Neyyatinkara Started B.E Civil Engineering
B.E. Marine Engineering
M.E. Control and Instrumentation Engineering
M.E. Thermal Engineering

2006 Anna University, Chennai, has acknowledged the research potential of NICE by granting recognition to four departments of the college as Research Centres for the Ph.D. Programme
Started NI College of Dental Sciences

2007 **Accreditation by NBA**

2008 **The first deemed to be university** in South Tamil Nadu and South Kerala by MHRD, Govt of India

2009 Started B.E Automobile Engineering
B.E. Bio-Medical Engineering
M.E. Software Engineering
M.Tech. Nanotechnology

2011 Started NIMS College of Nursing Started B.E Aerospace Engineering
M.E. Aeronautical Engineering
MBA (HRM) - Masters in Business Administration
M.Sc. Software Engineering – Integrated Course

2012 Started M.Phil Physics
M.Phil Chemistry
M.Phil Mathematics
M.Phil English
M.Phil Business Administration
M.Phil Computer Science

2013 Best University Award
Best University for educational and social commitments in the rural areas by the Planning Commission of India and ASSOCHAM India
Noorul Islam University was selected as the best B school in the southern states of India
Started B.E Aircraft Maintenance Engineering
B.Tech Nanotechnology
M.E. Structural Engineering
M.A. English
M.Sc. Physics
M.Sc. Chemistry
M.Phil Biotechnology

2014 Started B.Tech Fire Technology and Safety
M.E. Cyber Security
M.E. Automobile Engineering
M.Sc. Mathematics
Established a dedicated satellite space centre at the university campus

5 Campuses **20** Institutions **5500** + Staff **13,000**+ Students **120,000**+ Alumni

2015 Accredited by NAAC with 'A' Grade
The prestigious renewable energy project of the university was presented at the UN General Assembly by the Pro Chancellor

2016 **Placed in Top**
Ranked 75th position among Indian Universities and 66th position among the Indian Engineering Institution in the Ranking Announced by MHRD, Government of India
Started NIMS Centre for Genomic Medicine, the first human genetic lab in Kerala

2017 **NIUSAT**
Designed and developed a 15 kg student satellite NIUSAT and successfully launched on 23rd June 2017

2018 **CLOUD**
Established the state-of-the-art on Campus Private Cloud Infrastructure –NICHE Cloud

2019 **ROBOTICS**
Commissioned a Fully Functional Humanoid Robot

2020 **NIMS Spectrum:**
Child Development Research Centre

2021 **ACCREDITATION**
Indo-Israel Student Satellite Partnership Green University –Accreditation

2022 **NAAC**
RE-Accredited by National Assessment and Accreditation Council (Cycle –2)

2023 Started NI Engineering & Technology college
Started a new campus at Munnar, Idukki "NIMS Knowledge Hills"
Won the Best Placement & Training Department Award 2023
Selected as 6th Best among Times of India ranked colleges/universities in Tamil Nadu
Launched NICHE Defence Training Academy and Civil Service Academy
First-ever Nanotechnology Business Incubator in a South Indian University
MoU with five top Taiwan Universities in Semiconductor Technology research

2024 MoU signed with BrahMos Aerospace for advanced training & internship for students
Dr. Tessy Thomas appointed as the 5th Vice Chancellor of NICHE University Kanyakumari

2025 Noorul Islam is celebrating its Platinum Anniversary, a significant milestone in its journey. Over the years, the institutions under Noorul Islam have consistently aimed to introduce innovative courses. This year, the Department of Animation was established, launching a new BSc in Animation and Visual Effects. Furthermore, a Rehabilitation Research Center has been created, along with the inauguration of the Industrial Skill Park and Incubation Center.

"Noorul Islam", which means "Sacred Light' is at the doorsteps of its 70th Anniversary.

Established in 1954, today the Group owns and administers 20 Higher Education institutions, which also include a 450-bed superspeciality teaching hospital and a Deemed University. Today, the Group has a total staff strength of 4300, student strength of 10,400 and an alumni strength of 1, 17,000.

The three flagship projects of the Group are the Satellite Research Centre at the University Campus, Centre for Genomic Medicine at NIMS Medicity and GIR (Green Industrial Revoulution) a joint project of NICHE University and NIMS Medicity.

Dr. A. P. Majeed Khan
Chancellor, NICHE University
Founder
Noorul Islam Educational Trust

"In our journey of seven decades, the university has consistently expanded its offerings, embraced new technologies, and evolved its curriculum to meet the ever-changing needs of students."

LEADING TECHNOLOGICAL SUPPORT FOR OVER SEVEN DECADES

For over seven decades, NICHE has been a cornerstone in academia, providing invaluable technological and engineering support to students. With a legacy built on 70 years of dedication, NICHE stands as a testament to fostering academic excellence. Through comprehensive support services, NICHE empowers students, enabling them to excel in their studies, pursue their passions, and make meaningful contributions to their fields. As NICHE continues to pave the way for student success, its enduring impact on the academic landscape will shape generations to come.

NICHE AT A GLANCE

- Pristine Green Campus with a total area of 550 sprawling acres with a built-up area of 35 lakh square feet.
- A team of 440 faculty members with Ph.D. leading the research activities of the University. 550 plus research scholars currently pursuing their Ph.D.
- 300 fulltime trained and experienced teaching faculty ensures a remarkable teacher student ratio of 1:8.
- Excellent facilities for R&D and Extension Activities under Research and Development Centre.
- Publications listed in the Web of Science, SCOPUS and UGC care Database have increased considerably pushing up the total number of publications to 5091, 'h-index' to 57 with 20,474 citations in as on date.
- One Hundred and Eleven granted patents, One Hundred and Fifty Five published patents and One Hundred and Thirty Two filed patents adore the University's research accomplishments.
- Well-stacked Library with more than 82278 Volumes, 26448 Journals, DELNET, INFELIBNET, NDLI and KNIMBUS Online Learning Platforms etc. with 24-hour access to the students and staff.
- Satellite Space Research Centre with a fully functional Mission Control Centre, Clean Room and Checkout Facility and Ground Station inside the University campus.

JOIN THE KNOWLEDGE PLANET

50+ Scholarship Schemes

INDIA TODAY 5th Best University Faculty-Student Ratio

TOI 6th Rank in Placement

- State of the Art Research Centre for Robotics and Artificial Intelligence for the study and the development of Humanoid robots.
- Excellent computational infrastructure facilities which include most - advanced Intel i7 and i9, 12th Generation Desktop Systems.
- Fully functional NICHE Private Cloud Infrastructure to provide exposure and training in latest computational technology.
- CNC Lathe with all latest precision measurements installed for the automated production for desired machine parts.
- 3-D Printing for the physical viewing and analyzing of designed structures.
- A novel program named "NICHE-STEVE JOBS Scholarship" launched by NICHE on 3rd November 2022 and inaugurated by Shri Kris Gopalakrishnan, Co-Founder, Infosys, to be awarded to 100 meritorious final year students, who will receive intensive training from external industry experts to make them industry-ready.
- CBCS and Student-Centered Learning for making the Teaching Learning process effective and efficient.

  2000 plus student accommodation facility for both boys and girls inside the University campus.
- Fully functional Ship-in-Campus to provide training in Marine Engineering.
- Four different types of Aircrafts in the campus to train the students with hands-on experience in aircraft operations, mechanism and maintenance.

NICHE-Steve Jobs Scholarships
Special Scholarship for Meritorious Students

iOS Developer University Programme

Shaping the Next Generation of AI

IBM Recognised Centre of Excellence

Thrive in the Cloud-Driven World of Tomorrow

South India's First Digital Twin Lab

CAD Cam Lab

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Dr. A. P. Majeed Khan
Chancellor

Education has always been the cornerstone of progress and seventy years ago, access to quality education was merely a dream for many aspiring youth. It was with the vision of making education accessible to all that we embarked on this remarkable journey of educational service. Today, we stand tall, having transformed countless lives through knowledge and innovation and our commitment to this noble cause remains unwavering. Noorul Islam Centre for Higher Education (NICHE) began its journey in 1989 with a humble vision, and over the decades, we have achieved significant milestones that speak volumes about our dedication to excellence. Each accolade and recognition that NICHE has received stands as a testament to our relentless pursuit of academic and research excellence.

From receiving the Popularization of Science Award by the Government of Tamil Nadu in 2002 to achieving NBA accreditation in 2007, our institution has continuously evolved. The elevation of NICHE to a Deemed University status in 2008 marked a defining moment in our legacy. In 2013, we were honored with the Best University Award for Educational and Social Commitment in Rural Areas by the Planning Commission, followed by the Best B-School Award in South India the same year. Our accreditation by NAAC with an 'A' Grade in 2015, ranking 75th among top universities and 66th among top engineering institutions in India by MHRD in 2016, and the historic launch of India's first agriculture disaster monitoring satellite, NIUSAT, in 2017 have further cemented our place as a premier institution of learning and innovation. Our continued pursuit of excellence was reaffirmed with the second cycle of NAAC accreditation in 2022 In 2023, NICHE continued its relentless march towards innovation, contributing new patents, expanding academic programs, producing insightful research and engaging in impactful community extension initiatives. The year 2024 saw the establishment of the Centre for Robotics and Automation, where our students and faculty successfully completed a thirty-day challenge to develop two fully functional robots. Additionally, we commissioned the Intel AI Lab, equipped with state-of-the-art high-end servers and trained forty-five faculty members in the domain of artificial intelligence, reinforcing our commitment to preparing students for the future of technology.

As we advance, NICHE remains steadfast in its mission to empower students, particularly from rural backgrounds, by bringing them the latest technological advancements. Our institution is not just an academic hub but a beacon of hope, shaping the leaders and innovators of tomorrow. I extend my heartfelt gratitude to our faculty, students and stakeholders for their unwavering support and dedication in making NICHE a centre of excellence.

Together, let us continue to uphold the spirit of learning, innovation and service to society

Mr. M.S. Faizal Khan
Pro-Chancellor

Dr. R. Perumalsamy
Pro-Chancellor
Academic

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We are proud to welcome the

'Missile Woman of India'

to our leadership team

Dr. TESSY THOMAS
Vice-Chancellor

With great pleasure and pride, I welcome you to explore the Noorul Islam Centre for Higher Education (NICHE) through this prospectus. As an institution committed to excellence, NICHE takes immense effort in preparing young minds to meet the challenges of a rapidly evolving world. Beyond academics, we aim to imbue our students with critical thinking, ethical values, and a sense of social responsibility. Our dedicated faculty, state-of-the-art facilities, and vibrant green campus provide a best ecosystem for personal and professional growth.

NICHE's curriculum aligns with NEP 2020 and global standards. With cutting-edge research centers in robotics, cloud computing, space technology, and nano-materials, along with advanced modern laboratories, NICHE prepares the students to lead in Industry 4.0 and even more. Facilities like hangars, mission control room, research in satellite communication and avionics in our Aerospace engineering program prepares students to fly high in their career. Learning at NICHE is about acquiring knowledge and building leaders, innovators, and changemakers. As we work towards Viksit Bharat 2047, we envision our graduates becoming the architects of a prosperous and sustainable future for our nation and the world.

We are proud of our consistent record of outstanding placements, facilitated by strong collaborations with leading industries, research institutions and multinational corporations. Placement cell of NICHE ensures that every graduate is equipped with the skills, confidence and opportunities. The achievements of our alumni, who contribute to various sectors worldwide is a proof to our commitment to excellence.

I invite the young children to shape your aspirations into achievements. Let us create a technological impact.

Dr. Janardhanan K A
Pro-Vice-Chancellor
(Administration)

Dr. Shajin Nargunam A
Pro-Vice-Chancellor
(Academic)

Dr. P. Thirumalvalavan
Registrar

Dr. M. K. Jayakumar
Controller of Examinations

Dr. Shajin Nargunam A
Pro-Vice-Chancellor
(Academic)

NICHE: Revolutionary pathway to Higher Education Excellence

In an era of rapid technological advancements, the academic landscape is undergoing a dynamic transformation. Noorul Islam Centre for Higher Education (NICHE) is at the front line of this change, redefining education scenario by seamlessly integrating core technological principles with innovative teaching methodologies.

At NICHE, we are committed to empowering students to excel in the digital age by providing an academic framework that blends foundational knowledge with cutting-edge technological advancements. From the very first day, students are exposed in emerging fields like Sustainable Smart Infrastructure, Nnanostructures, Artificial Intelligence, Deep Learning, Addictive Manufacturing with 3D Printing Technology and Robotics, fostering their ability to address real-world challenges with confidence.

NICHE focus on experiential learning and industry-aligned skills ensures that students gain not only theoretical knowledge but also practical expertise, preparing them for success in the technology-driven future. NICHE's holistic approach creates a vibrant and engaging learning environment, enabling students to achieve mastery in emerging technologies while shaping them into future-ready professionals.

Innovative initiatives like the NICHE AWS Academy, NICHE-iOS Developer University Program, NICHE-IBM Innovation Centre for Education, and Intel Unnati AI Program pave the way for specialized training in cloud computing, machine learning and related advanced technologies. These programs empower students with industry-recognized credentials such as AWS certification, expertise in iOS app development, and access to state-of-the-art resources for research and innovation in emerging technologies.

At NICHE, we take care of the unique requirements of every student by offering customized courses and flexible curriculum structures designed to provide a personalized learning experience. Tailored to align with individual interests, aspirations and career goals, NICHE fosters a harmonious blend of education and innovation. As a beacon of progressive learning, NICHE redefines the higher education landscape, equipping students to thrive and excel in the dynamic, ever-evolving realm of technology.

OUR SISTER INSTITUTIONS

- **Noorul Islam Centre for Higher Education,** Tamil Nadu
- **Noorul Islam Centre for Satellite Technology & Applications,** Tamil Nadu
- **Noorul Islam College of Engineering (NICE),** Tamil Nadu
- **Noorul Islam College of Engineering (NICE),** Tamil Nadu
- **Noorul Islam Centre for Audiology & Speech Language Pathology** (RCI Approved), Tamil Nadu
- **Noorul Islam Centre for Business Management & Computer Applications,** Tamil Nadu
- **Noorul Islam Centre for Aeronautics & Marine Engineering,** Tamil Nadu
- **Noorul Islam Board of Research, Development & Consultancy (BRDC),** Tamil Nadu
- **NIMS-SSM College of Arts & Science,** Rajakkad, Munnar, Kerala
- **Noorul Islam Institute of Engineering,** Kerala
- **Noorul Islam College of Arts & Science,** Tamil Nadu

- **Noorul Islam Institute of Medical Science (NIMS) & Research Foundation,** Kerala
- **Noorul Islam College of Dental Science & Super Specialty Dental Hospital,** Kerala
- **NIMS Heart Foundation,** Kerala
- **NIMS College of Nursing**, Kerala
- **NIMS Centre for Medical Genomics and Advanced Biotechnology**
  (Approved as Centre of Excellence in Life Science by KASE, Govt. of Kerala)
- **Noorul Islam Civil Service Academy,** Kerala

NIMS SPECTRUM -
Child Development Reaserch Centre, Kerala

- **NIMS Micro Hospitals,** Balaramapuram, Trivandrum, Kerala
- **NIMS Micro Hospitals & Valsala Nursing Home,** Trivandrum, Kerala

OUR VISION

To be a globally recognized institution of excellence in higher education and research, dedicated to fostering innovation and to equip students with the skills, expertise and global competence necessary to thrive in an ever-evolving technological landscape, contributing to the nation's progress.

OUR MISSION

To impart holistic development of our students with high standards of discipline, ethics and integrity and nurture enlightened individuals dedicated to serve humanity with focused research in cutting-edge areas of science and technology, thereby contributing meaningfully to societal progress.

OUR QUALITY POLICY

A Commitment to continually improve Research, teaching and learning process by providing state-of-the-art infrastructure and expertise to create an environment of Quality education and develop a quality culture within the University.

UNIVERSITY INDUSTRY COLLABORATION

BrahMos

BrahMos MoU signing paves the way for unparalleled technological advancements.

CSIR-NIIST

CSIR-NIIST MoU signing fuels collaborative research

FOSTERING ACADEMIC EXCELLENCE THROUGH STRATEGIC COLLABORATIONS

Our active Memoranda of Understanding (MoUs) with esteemed Institutions, Industries, and Organizations worldwide enable collaborative learning, innovative research, skill development and global exposure for our students and faculty.





































LIGHTOX

LANT MEDICAL

Knowit
Professional Learning App

K-tech
CENTRE OF EXCELLENCE
IN AEROSPACE & DEFENCE

TALENT TURBO

ENTUDIO
PRIVATE LIMITED

PreIntelligence
Research Tech Pvt Ltd

BIOmelTez

MONOTECH
SYSTEMS LIMITED

MindSet
Knowledge

BOSCH

ASK
Training
Solutions
Manifest your potential

SMEC

PRIME

EduCorp
Centre for Research and Advanced Studies Pvt. Ltd.

JME

ATHEENAPANDIAN
PRIVATE LIMITED

PRANAAH
HOLISTIC HEALTH CARE

RS WINDTECH
ENGINEERS (P) LTD



CrynoFist

ELITE

ADMAXX

APT

Institute of Biology • Clinical Research (IBCR)

KALLINGAL
Redefining Excellence

Acutro

ALiBi


MAKEBOT

KALVI

Finmark


MOUS – OPEN DOORS TO EXCITING OPPORTUNITIES

Recent MoUs

BrahMos Aerospace Thiruvananthapuram Ltd	This collaboration marks a new era of innovation and opportunity for our students! Stay tuned for updates on this incredible partnership.
Council of Scientific & Industrial Research -	National Institute for Interdisciplinary Science and Technology (CSIR- NIIST). The purpose of this MOU is to establish a framework for cooperation between the Academy and Industry for joint research programs to promote scientific and technological innovation.
Gambella University, Ethiopia	The signing ceremony symbolized a commitment to fostering innovation, research, and academic exchange, with a focus on technological advancements.
Five top Taiwanese universities in technology National Chi Nan University Yuan Tse University Asia University Cheng Shiu University National Tsing Hua University	This strategic partnership aims to foster innovation, research, and academic exchange between institutions, paving the way for enhanced technological advancements. These partnerships are anticipated to usher in a new era of collaboration, transcending borders and creating a conducive environment for the exchange of ideas and expertise. The joint projects will not only benefit the academic community but also contribute significantly to the 'Make in India' initiatives by fostering a robust ecosystem of technological innovation.
iSAC System, Canada	This MOu aims to provide training in the field of Internet-of-Things (IoT) and Artificial Intelligence (AI)-based Predictive Big Data Analytics and to offer joint programmes.
IBM – International Business Machines Corporation	The IBM ICE Integrated Graduate Program offers a unique opportunity for graduate students to gain experience and develop their careers in a dynamic and innovative company. Career Development: The program offers comprehensive career development opportunities, including training and mentorship, to help students develop their skills and gain industry knowledge.
RO6 Aerotech, Coimbatore	The purpose of this MOU is to provide our students with training in the areas of Aerotech technology.
Sky Aerospace, Bangalore	The scope of this MoU is to provide training to the students in the areas of Live Aircraft Industrial Internship, E- Learning for GATE/ISRO/HAL, E-Learning Tools (NASTRAN/CFD/CATIA), UAV Research & Development, UAV Workshops, Airshow /Aeromodeling, Student Satellite Launch (Rocket

	science), Aviation Technical Publication.
Gandhi Peace Club and Centre for Gandhian Thoughts and Research	The purpose of this MoU is to emphasise the thoughts of Gandhi to students.
INFOSYS, Thiruvananthapuram	The purpose of this MOU is to establish a framework for cooperation between the Academy and Industry for joint research programs to promote technological innovation.
S.S. Rana & Co.,New Delhi	S.S. Rana & Co., New Delhi, is committed to providing professional assistance to NICHE in filing Intellectual Property Rights (IPR) for inventions and works developed by its students and faculty members.
Defence Training Academy, Thiruvananthapuram	The purpose of this MoU is to emphasise defence training.
Academy for Mountaineering and Adventure Sports	The purpose of this MoU is to emphasise adventure.
Comorin Consulting Services India Pvt. Ltd. Bangalore	The purpose of this MOU is to establish cooperation between the Academy and Industry for joint consultancy project.
AB Technologies, Chennai	The purpose of this MOU is to establish a framework for cooperation between the Academy and Industry for joint research programs.
Steps Software Solutions Pvt. Ltd., Chennai	This MOU aims to provide our students with training in software solutions.
Giaan Flying Academy SDN BHD	The purpose of this MOU is to train aviation engineers and other licensed aviation personnel and and to the students in flying and undertake joint research projects.
K-Tech Centre of Excellence in Aerospace and Defence, Bangalore	Provide necessary skills and state-of-the art tools to enable handling future opportunities in Aerospace and to provide hands on experience to the students in aerospace defence industry.
Sibaca Electronics Private Ltd., Trivandrum	The purpose of this MOU is to provide hands on training in electronics and ooffer projects and internship for the students.
Orisysindia Foundation, Trivandrum	The purpose of this MOU is to training for the students and faculties with psychology training to improve the professional life.
Network Systems, Nagercoil	This MOU aims at providing standard and custom training programs to the students in various areas of networking, software engineering, web development and in software solutions.
Hi-Fy Technologies, Nagercoil	To provide training and projects in Computer programming consultancy, software support and maintenance and product development .

COX	The purpose of this MoU is to provide our students with training in the areas of industrial automation, and industrial instrumentation.
Kallingal Automobiles	The purpose of this MoU is to provide our students with training in the areas of automobile.
Acutro Technologies	The purpose of this MoU is to provide our students with training in the areas of industrial automation, and industrial instrumentation.
Moto Wagen	The purpose of this MoU is to provide our students with training in the areas of automobile.
ALIBI	The purpose of this MoU is to provide our students with training in the areas of industrial automation, and industrial instrumentation.
Adventure Club	The purpose of this MoU is to provide productivity levels as well as build team spirit in an environment of friendship and trust.
Music and Dance Academy	The purpose of this MoU is to emphasise on music and dance.
Literary Club	The purpose of this MoU is to emphasise literature aim to increase student productivity levels.
Bio-Medical Engineering	The purpose of this MoU is to provide our students with training in the areas of medical instrumentation.
Bosch, Nagercoil	The purpose of this MoU is to provide our students with training in the areas of automobiles.
ECO Club, Nagercoil	The purpose of this MoU is to emphasise eco-friendliness in campus.
Central Bharat Sevak Samaj – CBSS	The purpose of this MoU is to emphasise helping mentalities among students.
IBCR Institute of Biology and Clinical Research	The purpose of this MoU is to provide our students with training in the areas of medical biology and clinical research.
JP College of Engineering, Ayikudy, Tenkasi	The purpose of this MoU is to benefit our faculty and students by organizing guest lectures, workshops, Conferences, consultancy projects, academic projects and industry visits.
Cyrix Healthcare Pvt. Ltd.	The purpose of this MoU is to provide our students with training in the areas of healthcare.
Clinbiocare Technology	The purpose of this MoU is to provide our students with training in the areas of biomedical instrumentation.
CNK Digital Land Survey	The purpose of this MoU is to provide our students with training in the areas of land survey.

Biomeitez Research and Development Pvt. Ltd.	The purpose of this MOU is to establish a framework for cooperation between the Academy and Industry for joint research programs to promote scientific and technological innovation.
Monotech Systems Ltd.	Development of Composite material. Infusing the Composite materials into thermoplastics /Polymers through coating or any other techniques as defined in future. Utilising the final product for Additive manufacturing Applications through various 3d printing methods.
Talent Turbo Technologies Pvt. Ltd.	Conducting Guest lectures by the staff of the Industry to the students of the institution. Providing training programs to the staff and students of the institution. Providing Technical training and Collaborative projects to students to students.
MSK Life Clinic Foundation, Coimbatore.	The scope of the MoU is to training for the students and faculties with psychology training to improve the professional life.
Elite Engineering work, Dindigul.	(Fire Safety consultant services) The scope of the MoU is to utilize the knowledge of the Elite Engineering work in fire safety engineering systems, fire safety equipments and fabrication services to train the students.
CJM Autocare.	The scope of the MoU is to utilize the knowledge of CJM Autocare in automobile field to benefit our students.
Prime Builders & Architect.	The purpose of the MoU is to utilize the expertise of Prime Builders and Architect in construction and interior designing to education and train our students.
Indian Academic Researcher's Association.	The purpose of this MoU is to undergo project for students, On-Campus training for faculties conducting consultancy work, Guest lectures.
V V V & Sons Edible Oils Ltd., Virudhunagar.	The purpose of this MoU is to effectively share the facilities and expertise for improving the capabilities for advanced education and research, academic and training programmes, formulating Projects and Practicals as a part of Curriculum activities.
Educorp Centre for Research and Advanced Studies Pvt. Ltd.	The purpose of this MoU is to benefit our faculty and students by organizing guest lectures, workshops, Conferences, consultancy projects, academic projects, industry visits.
SMEC Automation Pvt. Ltd., Cochi.	The purpose of this MoU is to provide our students with training in the areas of industrial automation, industrial instrumentation, embedded and VLSI, Power and Electrical, Labview and Matlab.

Jothi Marine Engineering, Tuticorin.	The purpose of this MoU is to provide our students with training in the areas of Marine Engineering.
CADPOINT Engineering Solutions Pvt. Ltd., Chennai.	The purpose of this MoU is to emphasise knowledge of AutoCAD.
Gerdi Gutperle Agasthiyar Muni Children & Maternity Hospital, Vellamadam.	The purpose of this MoU is to emphasise knowledge of First Aid.
Knowitedu India Pvt. Ltd., Kochi.	The purpose of this MoU is to benefit our faculty and students by organizing guest lectures, workshops, Conferences, consultancy projects, academic projects, industry visits.
Vijailakshmi Hitech Solutions India, Hyderabad.	The purpose of this MoU is to provide our students with training in the areas of industrial automation, industrial instrumentation.
RS Windtech Engineers Pvt. Ltd.	The purpose of this MoU is to provide our students with training in the areas of wind technology.
Vijaya Fishing Net, Nagercoil.	The purpose of this MoU is to provide our students with training in the areas of fish net manufacturing.
INBOX INFO Solutions.	The purpose of this MoU is to provide our students with training in the future technologies.
Tejas Translational Technologies Pvt. Ltd.	The purpose of this MOU is to establish a framework for cooperation between the Academy and Industry for joint research programs to promote healthcare and technological innovation.
Bolichi Science Pvt. Ltd. Chennai.	The purpose of this MOU is to establish cooperation between the Academy and Industry for joint research programs in healthcare.


NOORUL ISLAM CENTRE FOR HIGHER E
DEEMED TO BE UNIVERSITY, KANYAKUMA
NICHE
NOORUL ISLAM CENTRE
FOR HIGHER EDUCATION


NICHE
KANYAKUMARI


NICHE
KANYAKUMARI

INTERNATIONAL AFFAIRS AT NOORUL ISLAM CENTRE FOR HIGHER EDUCATION (NICHE)

The Department of International Affairs at NICHE University stands at the forefront of cultivating global academic relationships, facilitating impactful student and faculty experiences through international partnerships, and enhancing the university's stature on the global stage. The academic year 2024-2025 has been marked by numerous initiatives that have expanded our reach and bolstered NICHE's reputation as a hub of international collaboration. Below, we present a comprehensive overview of our recent achievements and strategic plans.

Strengthening Global Collaborations and Partnerships

NICHE University has continued to grow its international partnerships, creating opportunities for collaborative research, student exchange programs, and academic enrichment. The highlights include:

- New MoUs and Prestigious Partnerships: NICHE has successfully signed Memorandums of Understanding (MoUs) with LIGHTOX Ltd, based at 65 Westgate Rd, Newcastle upon Tyne, NE1 1SG, UK; Lant Medical, UK; and Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia. These partnerships are set to advance research, educational opportunities, and practical expertise in various fields, providing NICHE students and faculty with invaluable global exposure.

- Broadened Academic Network: NICHE has expanded its collaborations by signing MoUs with various esteemed institutions, European partnerships have been strengthened with Albstadt-Sigmaringen University and IBR Institute of International Business Relations GmbH in Germany, which continue to enhance our research and academic programs.

- Ongoing Strategic Agreements: Letter of Intent (LOI) with the University of Reading, UK, and Johnson Lab at the University of Tennessee Health Science Center (UTHSC), USA. This initiative is poised to bolster research efforts, particularly in stem cell and regenerative medicine, promoting collaboration and shared academic excellence.

Student Achievements and Global Exposure

NICHE takes pride in the accomplishments of its students, who have excelled on the international stage and demonstrated the university's commitment to producing world-class talent.

- Notable Internships and Visa Success: One of the standout achievements of the year is Aiswarya Krishnan, a postgraduate student in Human Genetics and Molecular Biology, who not only secured a prestigious internship at UTHSC, USA, but also successfully obtained the J1 VISA. This milestone enables her to conduct research at Johnson Lab, supporting collaborative projects in stem cell and regenerative medicine and highlighting NICHE's role in nurturing future researchers with global expertise.

- Automobile Engineering Achievements: Students Aadith B. Roshan, Abi Sam, and Abinesh from the Automobile Engineering Department gained valuable international exposure through internships at Universiti Tun Hussein Onn Malaysia (UTHM), reflecting the university's dedication to practical and international learning experiences. Moreover, they have successfully participated in the Malaysia Rocket Competition 2024, In the Category 1: 1km Rocket - University Teams competing with teams from Thailand, Malayasia, Philippines and Singapore.

Exchange Programs: Notable support includes enabling student Godson R. to participate in the Russian Youth Exchange Program, showcasing our commitment to diverse, global experiences.


शिक्षा मंत्रालय
AICTE
Azadi Ka Amrit Mahotsav

Comprehensive Student Development Programs

The Department of International Affairs has made significant efforts to host programs that enhance the skills and global outlook of NICHE's students:

- Key Development Sessions: The department organized notable programs such as "Advancing Skills for Future Success" featuring Mr. Arvene James, an international consultant from Recon Inspection Ltd, Canada, which provided students with insights into global job market trends. Another standout event was the "Pathway to USA" program, led by Dr. Rajasingh Johnson from UTHSC, USA, offering invaluable guidance on research opportunities and career paths in the United States. "Pathway to UK" program, led by Dr. Edwin Gnanaprakasam, Managing Director of Edkey Cinema Company Ltd., reflected our efforts in broadening student perspectives on international opportunities.

Academic and Research Excellence Through International Lectures

NICHE has embraced the power of knowledge-sharing through its series of international lectures and events aimed at broadening academic horizons:

- International Lecture Series: Collaborations with Gambella University in Ethiopia and San International Scientific Publications enabled NICHE to host a variety of lectures. These included topics such as "Nanomaterials for Agriculture and Food" by Dr. R. S. Rimal Isaac, and "Rewiring the Brain: Discovering the Potential of Neuroplasticity" by Mrs. Lisha Daniel. These sessions, conducted by renowned faculty, provided a platform for interdisciplinary learning and academic growth.

- Guest Talks from Global Experts: The department facilitated inspiring talks from international researchers like Dr. Shanmugavel Chinnathambi from Kyoto University, Japan, who discussed the applications of quantum dots in biomedical fields. This reflects NICHE's dedication to equipping students with exposure to cutting-edge global research.

NICHE has taken strides in forming impactful relationships, notably initiating partnerships with Woosong University, South Korea, for cutting-edge research in Big Data and AI.

Strategic Vision for Future Growth

Looking ahead, NICHE's Department of International Affairs aims to build upon its successful foundation by:

- Expanding Collaborations: Targeting new partnerships with institutions in Europe and the Americas to provide further academic and research opportunities.

- Boosting Scholarships and Dual Degrees: Increasing the visibility of international scholarship programs and pursuing dual degree partnerships to enhance student employability and global readiness.

- Fostering Innovative Research: Continuing to support groundbreaking research collaborations that contribute to NICHE's leadership in academic and scientific excellence.

Academic collaborative projects and MoUs are essential for universities to remain at the forefront of research, innovation, and education, while also contributing to societal development and economic growth. Such activities provides ample opportunities to the students for Knowledge Exchange, Research Opportunities, Real-World Applications, Enhanced Learning Experience, Networking and Relationships, Innovation and Entrepreneurship, Global Engagement etc.

SILICON SYMPHONY
Tie-ups with top five Universities of Taiwan

NICHE is embarking on a transformative journey, shaping the future of academic excellence and technological innovation. We are thrilled to announce our ground-breaking collaboration through Memoranda of Understanding (MoU) with five distinguished Taiwanese Universities. This visionary initiative, orchestrated by AICTE, is set to propel us into the dynamic realm of semiconductor technology. the cornerstone of contemporary and future innovations.

The top five Taiwanese Universities are: National Chi Nan University, Yuan Ze University, Asia University, Cheng Shiu University and National Tsing Hua University. This partnership aligns perfectly with the ambitious 'Make in India' initiative and the government's Semiconductor Mission. It goes beyond academics, nurturing India's intellectual capital in this critical field. This collaboration positions NICHE and its partner universities as torchbearers in the transformative journey of semiconductor design and fabrication. Get ready for a wave of ground-breaking research, knowledge exchange, and cross-cultural academic engagements as NICHE paves the way for a brighter future in semiconductor technology.

FACILITIES

- Technology Business Incubation Centre - NICHE TBI
- Student Innovation Cell
- All Courses Approved by AICTE / UGC
- Easy Internet Access with Wi-Fi Connectivity
- National Knowledge Network (NKN) Connectivity
- On-Campus NICHE-Cloud Computing Lab
- Basic Training in Foreign Languages
- Personality Development and Soft Skill Training by Industry Experts
- Laptop for Students at Subsidized Rate from Second Year Onwards
- More than 1100 Computers Spread Across All Departments
- Smart Classrooms / Digital Smart Boards with State-of-the-Art Facilities
- Apple iOS Lab
- AWS Academy

- Intel AI Lab
- Computer-Aided 3D Printing Lab
- Multi-Point Video-Conferencing Facility
- A 12-Bedded Healthcare Centre
- Well-Furnished Hostel for Boys and Girls with AC Facilities
- Residential Quarters for Students
- A Well-Disciplined Security System
- Management's Financial Assistance for Meritorious and Economically Weaker Students
- Facilities for Athletic Events, Adventure Sports, Indoor and Outdoor Games
- Talent Building Clubs for Dance, Music, Yoga, and Other Extracurricular Activities
- On-Campus Training for Civil Services and Other Competitive Examinations

NICHE TECHNOLOGY BUSINESS INCUBATOR

TBI - NICHE
TECHNOLOGY BUSINESS INCUBATOR
IDEATE INNOVATE INCUBATE

The Technology Business Incubator (TBI) at Noorul Islam Centre for Higher Education is a dynamic innovation hub, spanning 20,000 square feet, dedicated to fostering entrepreneurship and technological advancements.

TBI empowers aspiring entrepreneurs by providing mentorship, guidance, and funding to help them build successful technology-driven ventures. The incubator offers state-of-the-art workspace solutions, including individual and shared office facilities, modern infrastructure, and comprehensive support services.

Key features of TBI include:

- Mentorship Programs: Expert guidance from industry leaders and academicians.
- Access to Funding: Assistance in securing financial resources for startups.
- Networking Opportunities: Connecting innovators with investors, industry professionals, and peers.
- Training Programs: Specialized workshops and targeted professional development.

The TBI focuses on nurturing businesses in technology-intensive sectors such as:

- Nanotechnology
- Satellite Technology
- Artificial Intelligence
- Advanced Manufacturing
- Biotechnology and Biomedical Engineering
- Clean Energy

ACTIVITIES

Technology Business Incubator (TBI) Launch

On 4th September 2024, the NICHE Technology Business Incubator (TBI) was officially launched. The commemorative plaque was unveiled by Dr. Tessy Thomas, Vice Chancellor of NICHE, and Dr. Neil Sankar, Chief Medical Oncologist, MBQ Pharma, USA in the presence of Shri T. Mano Thangaraj, Hon. Minister of Milk and Dairy Development, Govt. of Tamil Nadu.

Celebration of Institutions Innovation Day

On 15th October 2024, NICHE celebrated Institutions Innovation Day in honor of Dr. APJ Abdul Kalam's birthday. The event featured an inspiring session by Mr. Gokul Kumar, Co-Founder of FlutterFrog Software Solutions LLP, who shared his entrepreneurial journey and encouraged students to transform ideas into startups.

Entrepreneurship Program: IT Pathways for Future Business Leaders

On 18th October 2024, the TBI, in collaboration with the Institutions Innovation Council and Faculty of Management Studies, organized a program on "Entrepreneurship in the Digital Age: IT Pathways for Future Business Leaders." Led by Mr. Sateesh Kumar, Founder of Agile Tribe, the session highlighted the skills and opportunities essential for thriving in the digital IT era.

Awareness Program on Entrepreneurship and Innovation

On 23rd October 2024, an awareness session was conducted for first-year BBA students by the TBI and Institutions Innovation Council. Dr. S. Poornima, Innovation Ambassador (IIC) and Assistant Professor at Noorul Islam College of Arts & Science, inspired students with insights on entrepreneurial opportunities and the digital age of innovation.

Empowering Innovation through Intellectual Property Rights (IPR)

On 11th and 12th November 2024, the IPR Cell, in partnership with the TBI, conducted a workshop to enhance understanding of IPR. Expert speakers Ms. Hema, Project Scientist at TNSCST, and Ms. Preethi Narayanan, a registered Patent Agent, provided valuable insights into patent filing and protecting innovations.

Seed Funding for Student Projects

Additionally, Rs. 45,000 in funding was awarded to three student teams from NICHE to support the development of their innovative ideas into tangible products.

Student Startup

Khadi Boutique, a student startup incubated by the Technology Business Incubator of Noorul Islam Centre for Higher Education, exemplifies sustainable entrepreneurship by producing eco-friendly handmade Khadi clothing. Initiated by Management Studies students and registered under MSME, the venture successfully debuted at Gandhi Jaivothsav-II, generating more than Rs. 5,00,000 in revenue through product sales.

These initiatives reflect NICHE's commitment to fostering innovation, entrepreneurship, and academic excellence, preparing students to lead in a dynamic, technology-driven world.

KHADI
BOUTIQUE
INITIATIVE BY THE STUDENTS OF NICHE KANYAKUMARI
www.khadimovement.in

TECHNOLOGY TODAY: TOMORROW (TTT)

Technology Today: Tomorrow (TTT) is a dynamic student club at Noorul Islam Centre for Higher Education (NICHE) dedicated to exploring the forefront of technological advancements and their societal impact. Meeting every Thursday and Friday, TTT provides students with a vibrant platform to delve into emerging technologies, develop hands-on skills, and collaborate on innovative projects. The club focuses on cutting-edge areas such as artificial intelligence, blockchain, virtual reality, and the Internet of Things (IoT). Through engaging discussions, workshops, guest lectures, and tech demonstrations, TTT helps students understand how these technologies are reshaping industries, transforming economies, and influencing everyday life. TTT also emphasizes envisioning the future of innovation, encouraging students to explore how emerging technologies can address global challenges. By fostering creativity, curiosity, and a culture of experimentation, the club inspires its members to think beyond existing possibilities and contribute to a better, technology-driven future.

TECHNOLOGY
TODAY : TOMORROW

Student Innovation Cell (SIC)

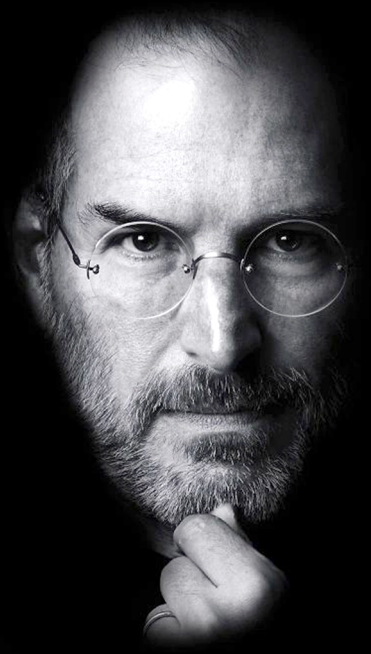
Student Innovation Cell (SIC) at Noorul Islam Centre for Higher Education (NICHE) is a dedicated platform for fostering creativity, innovation, and entrepreneurship among students. SIC empowers students to transform ideas into impactful solutions through a variety of initiatives such as innovation challenges, ideation workshops, industry collaborations, and startup incubation programs. The Cell welcomes students from all disciplines, providing opportunities to explore cutting-edge technologies, develop entrepreneurial skills, and collaborate on projects that address real-world challenges. With a focus on technology, design, social entrepreneurship, and sustainability, SIC inspires students to think beyond boundaries and create meaningful change. By joining SIC, students become part of a vibrant community of innovators and gain hands-on experience, industry exposure, and the confidence to turn their visions into reality—making it an invaluable part of their journey at NICHE.

Institution's Innovation Council (IIC)

Institution's Innovation Council (IIC) at Noorul Islam Centre for Higher Education (NICHE), established in 2018 and approved by the Ministry of Education (MoE), Government of India, is a vibrant platform dedicated to fostering innovation and creativity among students. The IIC aims to cultivate a culture of innovation by guiding and mentoring students to pursue their ideas, undertake innovative projects, and contribute solutions for societal and industrial challenges. With a focus on nurturing young talent, the IIC organizes activities like leadership talks, IPR workshops, and innovative competitions, while promoting student startups, patent filing, and indigenous product designs. The council also facilitates group projects, provides opportunities for funding and incubation, and motivates students to participate in national-level competitions such as the Smart India Hackathon. By aligning with initiatives like the Atal Ranking of Institutions on Innovation Achievements, the IIC ensures NICHE remains a hub of innovation excellence.

Innovation and Entrepreneurship Activities Conducted under IIC

- Organized an Entrepreneurship Awareness Program with MSME to foster entrepreneurial thinking among students.
- Hosted Techstars Startup Weekend with StartupTN, encouraging collaborative innovation and startup development.
- Conducted a Field Visit as part of the IIC Regional Meet to enhance industry and research exposure.
- Celebrated Viksit Bharat@2024 Utsav, highlighting India's progress in innovation and development.
- Observed Institution's Innovation Day with a focus on Technology Readiness Levels (TRL) for R&D.
- Organized an Internal Hackathon Competition, providing a platform for students to develop and showcase innovative solutions.
- Other IIC calendar activities are being conducted regularly.



DEPT. OF COMPUTER SCIENCE & ENGINEERING
Celebrating 34 Years of Excellence

NICHE–STEVE JOBS SCHOLARSHIP

SPECIAL SCHOLARSHIP FOR MERITORIOUS STUDENTS

NICHE-STEVE JOBS SCHOLARSHIP was launched on 3rd November 2022 by Shri. Kris Gopalakrishnan, Co-Founder of Infosys to celebrate 34 years of the academic excellence in Computer Science Engineering Department of NICHE.

Students selected for the scholarship will be given value-added intensive coaching in various areas worth one lakh rupees per student to make them tailor-made for industries to absorb.

CENTRE OF EXCELLENCE FOR

- Python Programming
- Android Application Development
- Artificial Intelligence & Machine Learning
- Cloud Computing
- Internet of Things (IoT)
- Data warehouse and Data Mining
- Robotics
- Cyber Security
- Data Secure
- Block Chains

IBM ICE Integrated Graduate Program @ NICHE

Your Gateway to a Future-Ready Career

NICHE, a pioneer in industry-academia collaboration, continues its legacy with the IBM ICE Integrated Graduate Program. Designed to equip students with cutting-edge skills, this program bridges the gap between academics and industry.

- **Career Development:** Personalized training, mentorship, and career readiness workshops with IBM experts.
- **Hands-On Learning:** Real-world projects using AI, cloud computing, and data analytics.
- **Global Networking:** Access IBM's professional network, tech meetups, and innovation hubs.
- **International Exposure:** Gain global perspectives through international assignments.
- **Career Pathways:** Exclusive certifications, competitive stipends, and placement opportunities.
- **Diversity and Innovation:** Equal opportunities and impactful projects addressing real-world challenges.

Join the IBM ICE Integrated Graduate Program @ NICHE and shape your future with a global tech leader!

NICHE AWS Academy Program

Launch Your Career in the Cloud Era

The NICHE AWS Academy Program equips you with essential cloud computing skills, hands-on experience, and industry-recognized certifications to thrive in a tech-driven world.

- **Foundational Cloud Knowledge:** Learn core AWS services like Amazon S3, EC2, and AWS Lambda.
- **Practical Learning:** Work with real AWS resources on guided projects and labs.
- **AWS Certifications:** Earn globally recognized certifications to boost your career.
- **Networking Opportunities:** Connect with AWS professionals and peers through events and workshops.
- **Future-Ready Skills:** Dive into advanced topics like AI integration and serverless computing.
- **Success Stories:** Two AI and Data Science students earned AWS Academy Graduate Certificates in Machine Learning.

Join the NICHE AWS Academy Program and start your journey as a cloud leader today!

NICHE iOS Developer University Program

App-solutely Transforming Your Future

The NICHE iOS Developer Program empowers you to create impactful iOS apps, turning your ideas into innovative mobile solutions. Designed for aspiring developers, this program combines creativity with technical excellence to launch your app development career.

- **Exclusive Access to Apple SDKs:** Work with beta versions of Apple's tools and features.
- **UI/UX Mastery:** Build sleek, user-friendly apps with intuitive design.
- **Xcode Expertise:** Gain hands-on experience with Apple's powerful IDE for app development.
- **Learn from Industry Leaders:** Engage with experts shaping the future of mobile tech.
- **Showcase Your Work:** Launch your apps on the App Store and gain global recognition.

Start your journey with NICHE today and turn your app ideas into reality!

NICHE Intel Unnati Program

Intel® Unnati
Data-Centric Labs in Emerging Technologies

Empowering Innovation Through Technology

The NICHE Intel Unnati Program provides aspiring technologists with hands-on experience in advanced computing fields. Partnering with Intel, this program bridges academia and industry, offering tools and expertise to solve real-world challenges.

- **Intel-Powered Labs:** Access cutting-edge Intel technology for AI, machine learning, and IoT projects.
- **Industry-Relevant Learning:** Specialized courses in AI, big data, and cloud computing.
- **Collaborative Projects:** Work on innovative solutions for healthcare, smart cities, and more.
- **Expert Mentorship:** Learn from Intel-certified trainers and industry leaders.
- **Global Exposure:** Showcase your projects on platforms supported by Intel.

Join the NICHE Intel Unnati Program and start your journey to tech innovation today!

NICHE Civil Service Academy

Your Path to Prestigious Civil Service Careers

NICHE Civil Service Academy prepares future leaders for IAS, IPS, IFS, and other top civil services. With expert mentors, personalized guidance, and rigorous mock tests, we provide the tools needed to excel in the UPSC exam.

- **Comprehensive UPSC Training:** Expert-led sessions, updated study materials, and exam simulations.
- **Dedicated Residential Coaching:** Early preparation for +2 students in a focused, supportive environment.
- **Holistic Development:** Sharpen analytical, communication, and decision-making skills.
- **Proven Results:** Join a legacy of NICHE graduates achieving top ranks in competitive exams.

Start your journey to success with NICHE Civil Service Academy!

The training partner of the NICHE Civil Service Academy is Fortune IAS Academy, established in 2014. It has revolutionized civil service coaching through a student-centric approach, outstanding facilities, and a team of expert faculty, making it the leading civil service coaching institute in South India. In just six years, Fortune has successfully guided over 200 students toward becoming civil servants with integrity.

Fortune's core strength lies in its team of young and dynamic faculty members who stay updated on the latest trends in the UPSC Civil Services Examination. The core team comprises alumni from prestigious institutions such as IIM, NIT, and CET, all dedicated to enhancing the quality of education in the country.

NICHE Defence Training Academy

Forging Leaders, Defenders, and Patriots

NICHE Defence Training Academy is dedicated to preparing future officers for the Indian Armed Forces and Coast Guard. We shape leaders who embody courage, integrity, and service.

- **Comprehensive Training:** Develop physical, mental, and leadership skills to excel in the defence services.
- **Expert Guidance:** Learn from experienced professionals with extensive military and corporate expertise.
- **Career Preparation:** Specialized coaching for SSB, NDA, CDS, and other defence exams.
- **Holistic Development:** Focus on character building, teamwork, discipline, and a spirit of adventure.

Join NICHE Defence Training Academy and take the first step toward serving and protecting the nation with honour!

The training is provided by Major Ravi's Training Academy. They have a remarkable track record of preparing aspirants for India's uniformed forces, including NDA, CDS, naval and air force academies, AFMC, and competitive exams like UPSC and SSC.

The academy emphasizes awareness of the changing patterns in Defence Services Examinations, equipping candidates with the confidence to succeed. They encourage trainees to self-evaluate and refine their strategies for joining the Indian Armed Forces and paramilitary forces. This approach cultivates passion and patriotism, enabling them to excel in both academic and physical assessments, ultimately securing positions in the Indian Army, Navy, Air Force, and state forces such as Police, Excise, Fire Force, and Forest Services.

Major Ravi's Training Academy is the only name with an unmatched track record of contributing career aspirants to the uniformed forces of India through NDA, CDS, naval and air force academies, AFMC (MBBS & Military Nursing (B Sc & GNM), Staff Selection Commission, UPSC and SSC Exams, and other on commissioned officer ranks. We raise awareness among aspirants about the ever-changing pattern of Defence Services Examinations in order to equip them with the confidence and courage to take these exams. Our trainees have been able to make self-evaluations of their methods and accordingly make improvements in their plans for joining the Indian Armed Forces as well as various paramilitary forces as a result of these types of endeavours that we have successfully introduced over the years. This has enabled them to perform with passion and patriotism in academic and physical exams, and to secure positions in the Indian Army, Navy, Air Force, various paramilitary forces, and state forces such as the Police, Excise, Fire Force, and Forest Services. In response to numerous requests from across the state, Major Ravi's Training Academy has begun operations to enable aspirants and parents to benefit from our experience and expertise in the field of Pre-Recruitment Training.

DIGITAL KNOWLEDGE CENTRE

The Digital Knowledge Center shall provide uninterrupted online access to e-journals. Students, staff and research scholars can access IEEE ASPP and POP online, Knimbus Digital Library through Digital Knowledge Centre. The library has reprographic and printing facilities. Online Public Access Catalogue (OPAC) facilites is available in the campus through which availability of materials can be accessed through any system through the University.

NICHE CENTRAL LIBRARY
KOHA Library Integrated Automation

Library Overview

The Central Library of Noorul Islam Centre for Higher Education (NICHE) is a vital component of the institution's academic infrastructure, providing extensive resources and services to meet the diverse educational and informational needs of the university community. The library spans an area of 1,654.77 square meters and accommodates 200 users with a user-friendly Open Access System for easy access to materials.

The NICHE Central Library boasts a rich collection of 83,463 books, 3,051 back volumes, 69 periodicals (national and international), 206+ e-journals, and 854 e-books, ensuring a comprehensive range of resources to support learning, teaching, and research.

Automation and Integration with KOHA

The library operates with KOHA Library Integrated System (LIS), a state-of-the-art, open-source automation software designed to streamline and manage all library activities efficiently. KOHA ensures that every process—from acquisition, circulation, and renewal of books to reservation, serial control, and access to online cataloguing—is fully automated. The integration of KOHA enables a web-based Public Access Catalogue (web-OPAC), providing easy, 24/7 access to the library's vast collection.

Collection and Resources

- Books and Volumes: 83,463 books and 3,051 back volumes.
- Periodicals: 69 (both national and international).
- E-Journals and E-Books: 207+ e-journals, 804 e-books.
- Digital Resources: Access to various digital resources, including:

o IEEE Xplore ASPP.

o IEEE POP.

o NICHE Digital Library.

o DELNET (Developing Library Network).

o National Digital Library of India (NDLI).

Library Layout

- Ground Floor: Circulation Section, Book Bank.
- First Floor: Reference Section, Back Volumes, Question Papers, Theses, Periodicals.
- Second Floor: IT Zone for accessing e-resources, Reading Area for Newspapers.

Special Sections

- Digital Knowledge Centre: A dedicated space for digital learning, fostering an interactive and innovative educational experience.
- Reference Section: Houses 477 research theses, department-specific question banks, magazines, and journals.
- Library Binding Section: Back volumes and damaged books are rebound for continued use.

Membership and Collaboration

- Affiliations: The library is affiliated with DELNET, INFLIBNET, and NDLI, enhancing access to resources across a national and international network.
- Membership: Open to all university students, offering full access to lending and reading services.

Library Services

- Computerized User-Friendly Database: A database designed for easy navigation, enabling users to quickly locate and access resources.
- Computerized Issue-Return: Automated systems for borrowing and returning materials, enhancing operational efficiency.
- Bibliographic Service: Assistance in searching and retrieving bibliographic information.
- Digital Library: A comprehensive digital collection of scholarly resources.
- Web OPAC: An online catalogue system for quick and efficient resource discovery.
- Information Literacy Programs: Initiatives designed to help users develop skills for effective information searching and evaluation.
- Interlibrary Loan Service: Service for borrowing materials from other libraries, extending the breadth of resources available to users.

- Journal Article Search: Tools for searching and accessing articles from journals subscribed to by the library.

Facilities

- Open Access: Users have unrestricted access to resources across the library.
- Internet Access: High-speed internet facilities are available for research and e-resource access.
- Spacious Reading Hall: Comfortable, well-lit spaces for reading and study.
- Reprographics Services: Printing, photocopying, and scanning services are available for user convenience.

Mission and Vision

- Mission: The library aligns with the institutional mission of fostering academic excellence and promoting ethical values. It aims to be a key enabler of NICHE's transformation into a center of academic and research excellence.
- Vision: The library seeks to gain widespread recognition in higher education, responding effectively to technological advancements, the knowledge explosion, and global academic needs.

Library Rules

- Membership: Available to all students, with annual renewal.
- Library Hours: Open from 8:00 AM to 6:00 PM.
- Book Borrowing Limits:
  - Postgraduates and PhD scholars: Up to 4 books.
  - Undergraduates: Up to 2 books.
- Return Policy: Books must be returned within 15 days with a nominal overdue charge of Rs 1.00 per volume per day.
- Discipline: Users must maintain silence and adhere to library conduct.

OUR ACCLAIMS

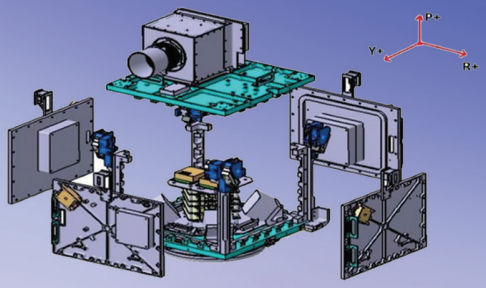
- Accredited by NAAC Cycle (2)
- Member - International Association of Universities
- Member - Association of Indian Universities
- Four Star Status among India's Top Private Universities 2014 won from "The Pioneer"
- Won National Education Excellence Award 2014 for the Best University in Rural Area
- Won National Education Excellence Award 2013 for the Best Management School in the South
- University Student Satellite NIUSAT was launched in 2017
- IBM has recognized the institution as a Centre of Excellence
- ISO 9001:2008 Certified Institution
- Popularization of Science Award by the Govt.of Tamilnadu and Govt. of India
- Excellent Placement Record
- NIRF Ranking 2016 66th Rank under Engineering Stream and 75th Rank under University Stream
- 3621 Research Papers in SCOPUS
- Citation Index: 27899
- University h-index: 64
- SERB recognised Institution
- Platinum Ranking for Green University from 2021-23
- 6th Best University in Tamil Nadu in Times of India survey
- Best Placement & Training Award 2023
- 28th position in the Technology University Category in the India Today Ranking 2024

NIUSAT - NICHE STUDENT SATELLITE

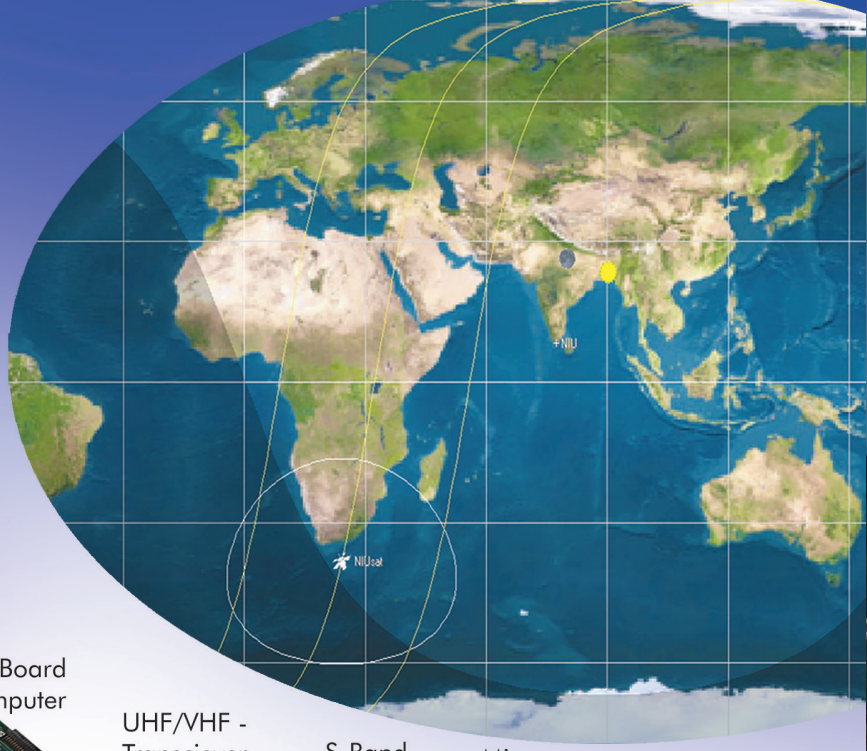
On 26th December 2004, Tsunami struck the shores of India. It hit hard the shores of Southern India, especially Tamil Nadu, and Kanyakumari and the nearby places causing havoc hitherto unknown or never experienced by the people there. The devastation to life and property was shocking and terrifying. The impact of the Tsunami was acutely felt all over the country and the world. Loss of life was alarming. In the wake of the 2004 Tsunami, what became very clear was the lack of prediction measures of natural disasters before they struck. The Chancellor of Noorul Islam University was acutely aware of the lack of prediction systems in Tamil Nadu and India of the devastating natural calamities like earthquakes, tsunami and floods. Therefore, an earnest investigation into the possibilities of prediction of natural calamities became a disturbing botheration with the institution. With such high goals as to protect the lives and properties and even infrastructure during natural disasters, the NICHE, ventured into building and launching a Nano Satellite into space with the support of space organizations and ISRO.

INDO - ISRAEL SPACE-TECH LEADERSHIP PROGRAMME

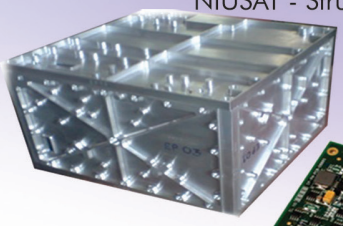
Through collaborations with ITCA's Indo-Israeli Nanosatellite Programme, NICHE will be able to leverage the end-to-end life-cycle expertise including design, development, manufacture, integration, testing, launch services facilitation and satellite operations, thereby building a high performance Space-Tech ecosystem at NICHE. This unique opportunity helps up-scale NICHE's satellite technology competency. The collaboration with ITCA which has partnered with TMISAT and other Israeli organisations is an exemplary initiative. With the help of this specially planned collaboration models NICHE gains access to latest technological development in the field of Satellite Technology and Applications. Further, this Indian and Israeli space collaboration programme fulfill tangible and intangible national interests, other than pure defense and security necessities. For example, both India and Israel aspire to achieve technological progress, prosperity, social welfare and prestige through their space programs. India and Israel are motivated to develop their own space capabilities, among other reasons, in the hopes of strengthening their position and influence within the international community. Sophisticated space capabilities at the academic institutions along with stronger relationships and ties between Israeli academia are of great potential to positively affect the balance of power and technology in academic institution and Nation at large.



NIUSAT - Exploded view



NIUSAT - Structure



Electrical Power system

On-Board Computer

UHF/VHF - Transciever

S-Band Transmitter

Micro Reaction Wheel

Hold down Block

NIUSAT ARTICLE PUBLISHED ON THE NASA website.

National Aeronautics and Space Administration

Wednesday, 20 March 2024

NSSDCA Master Catalog Search

- + Spacecraft
- + Experiments
- + Data Collections
- + Personnel
- + Publications
- + Maps
- + New/Updated Data
- + Lunar/Planetary Events

NiuSat

NSSDCA/COSPAR ID: 2017-036B

Description

NIUSAT is a Nano satellite designed and developed by Noorul Islam Centre for Higher Education under Noorul Islam University with a Miniature Wide Field Sensor (MWiFS) for agriculture and disaster management support applications. The 15 kg NIUSAT features a RGP camera with a ground resolution of 25 m and a frame size of 50 km × 50 km. The imagery from the NIUSAT is used for identifying potential agricultural diseases of the crops around Kanya Kumari District and providing timely assistance to the Disaster Management Support (DMS) programme to address disasters due to flood, cyclone, drought, forest fire, landslide and earthquakes. The NIUSAT satellite project is a Noorul Islam University program, involving students and staff of the university, making use of the state-of-the art proven technologies and modules.

Alternate Names

- 42766

Facts in Brief

Launch Date: 2017-06-23
Launch Vehicle: PSLV-XL
Launch Site: Sriharikota, India
Mass: 15 kg

Funding Agency

- Unknown (India)

BEYOND EARTH'S BOUNDS

MAKING A PROMINENT PLACE IN SPACE

भारतीय अंतरिक्ष अनुसंधान संगठन, अंतरिक्ष विभाग
Indian Space Research Organisation, Department of Space
भारत सरकार / Government of India

Home | About | Activities | Services | Programmes | Resources | Engagements | search

NIUSAT

Home/Schemes/ Student Satellite/NIUSAT

NIUSAT is an Indian University/Academic Institute satellite from Noorul Isalm University in Tamil Nadu State, launched by PSLV-C38. This 15 kg three axis stabilised satellite is built to provide multispectral imagery for agricultural crop monitoring and disaster management support applications. A dedicated Mission Control Centre with UHF/VHF antenna for Telemetry/Tele-command operations and S-band antenna for Payload data reception has been established at the university.

FINANCIAL EXPRESS

Read to Lead

India successfully launches Cartosat-2 series satellite

ISRO PSLV-C38 launch Live Updates: ISRO will launch PSLV-C38 carrying Cartosat-2 series satellite along with 30 co-passenger satellites today. The Polar Satellite Launch Vehicle would launch the 712 kg Cartosat-2 series satellite for earth observation from Sriharikota in Andhra Pradesh on Friday morning

Written by FE Online

New Delhi | Updated: June 23, 2017 13:31 IST

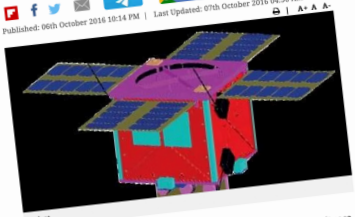
ISRO PSLV-C38 launch Live Updates: ISRO launched PSLV-C38 carrying Cartosat-2 series satellite along with 30 co-passenger satellites today. The Polar Satellite Launch Vehicle launched the 712 kg Cartosat-2 series satellite for earth observation from Sriharikota in Andhra Pradesh on Friday morning.

ISRO PSLV-C38 launch Live Updates: ISRO launched PSLV-C38 carrying Cartosat-2 series satellite along with 30 co-passenger satellites today. The Polar Satellite Launch[illegible] launched the 712 kg Cartosat-2 series satellite for earth observation fro[illegible]esh on Friday morning, a PTI report said. The Carto[illegible]forces and successful la[illegible]

THE NEW INDIAN EXPRESS

Student Satellite to hit space tomorrow

Published: 06th October 2016 10:14 PM | Last Updated: 07th October 2016 04:56 AM



Student

By Express News Service

THIRUVANANTHAPURAM: On Saturday, the state capital will be witness to an interesting event; the hand-over of a satellite. And if things pan out, this privately-developed micro-satellite weighing just 14.3 kg, will be placed in orbit by a Polar Satellite Launch Vehicle (PSLV) of the Indian Space Research Organisation (ISRO) in November.

THE TIMES OF INDIA

Noorul Islam University bets big on NIUSAT

LAXMI AJAI PRASANNA / TNN / Oct 9, 2016, 11:24 IST

Governor P Sathasivam said the world expects a lot from Indian innovation. He was speaking at the NIUSAT presentation ceremony at Kanakakkunnu in Thiruvananthapuram on Saturday

THIRUVANANTHAPURAM : Indian Space Research Organisation's (Isro) final nod for the launch of NIUSAT disaster management and warning satellite of Noorul Islam University (NIU) on board ISRO's PSLVC36 rocket on November 23 will set the [illegible] of developing commercial satellites.

TECH2

Sunday, February 19, 2023 | Back to Firstpost

DECADE-OLD WAIT ENDS FOR STUDENTS OF NOORUL ISLAM UNIVERSITY AS NIUSAT IS PUT INTO ORBIT

It was a proud moment for Noorul Islam University on Friday as the Indian rocket PSLV lifted off successfully with the varsity made nano satellite NIUSAT along with ISRO's Cartosat and 29 co-passenger foreign satellites.

IANS JUN 23, 2017 15:52:05 IST

It was a proud moment for Noorul Islam University on Friday as the Indian rocket PSLV lifted off successfully with the varsity made nano satellite NIUSAT along with ISRO's Cartosat and 29 co-passenger foreign satellites.

Varsity Chancellor Majid Khan along with the students and teachers rejoiced at the lifting off of the Polar Satellite Launch Vehicle. The nano satellite was built from scratch by the students of the NIU, located in Tamil Nadu, about 30 km from the Thiruvananthapuram railway station.

The NIUSAT weighs 15 kg and costs Rs 37 crore. It would provide multi-spectral imagery for agricultural crop monitoring and disaster management support applications. The 84-year-old Chancellor seated along with the students and staff of the University was seen clapping as he witnessed the launch on the big screen. It was a clean and successful launch.

"It all began when a tsunami hit the Kerala and Tamil Nadu coasts near here in 2004. It was sheer misery as there was no warning at all. Hundreds of lives were lost," Khan said. "We started to think what we could do to come up with a solution. It was in 2007, that our students and teachers began to work on this nano satellite."

"We are all delighted that this has turned out to be a success," said Khan. Professor Krishna Swamy, involved with NIUSAT right from the beginning, said this was a "huge and superb achievement" for all at NIU. "We are not going to stop with this," Swamy said. The NIUSAT would pass over the Tami

THE TIMES OF INDIA

NIU may foray into commercial satellite development

LAXMI PRASANNA / TNN / Oct 8, 2016, 23:01 IST

Indian Space Research Organisatio

THIRUVANANTHAPURAM: The final nod of Indian Space Research Organisation (ISRO) for launch of NUISAT disaster management and warning satellite of Noorul Islam University (NIU) on board ISRO's PSLV-C36 rocket on November 23 will set the stage for NIU to foray into possibilities of developing commercial satellites. Madhya Pradesh and Jharkhand government agencies have approached NIU for assembling satellites. Jharkhand government has presented a Rs 150 Cr project for developing a satellite. NIU also plans to develop satellites with synthetic aperture radars to monitor weather even amidst dense clouds.

Now, NUISAT has cleared all quality checks of ISRO for launch on board the space shuttle PSLV-C36 and as per the official protocol it will be handed over by NIU founder and chancellor Dr AP Majeed Khan to the project director of Quality

The Indian EXPRESS

JOURNALISM OF COURAGE

Sunday, Feb 19, 2023

EPAPER | TODAY'S PAPER

PSLV-C38 launch live updates: ISRO successfully puts Cartosat-2 Series and 30 other satellites into orbit

ISRO PSLV-C38 live updates: ISRO satellite mission has been launched from the First Launch Pad of Satish Dhawan Space Centre in Sriharikota. This was the 40th flight of PSLV and 17th flight of PSLV in 'XL' configuration.

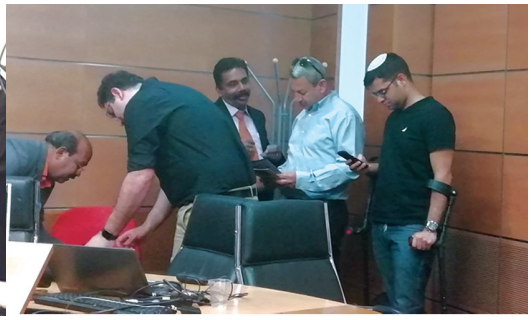
By: Express Web Desk

New Delhi | Updated: June 23, 2017 10:09 IST

NewsGuard

Sriharikota: ISRO's PSLV-C38 at the first launch pad in Sriharikota on Thursday, a day before launching 712 kg earth observation satellite Cartosat-2 Series along with 30 co-passenger satellites of various countries. (PTI Photo/ISRO)

The Indian Space Research Organisation (ISRO) on Friday successfully launched the 712 kg Cartosat-2 series satellite for earth observation along with 30 co-passenger satellites together weighing about 243 kg at lift-off into a 505 km polar Sun



CENTRE FOR ADVANCED COMPUTING AND ROBOTICS (CACR)

• Noorul Islam Centre for Higher Education (NICHE) has deployed the State of- the-art Advanced Cloud Computing Infrastructure and Humanoid Robotics Laboratory which are the key focus of future computing technologies.

• NICHE has made a remarkable step to deliver the world of technology to young engineers by breaking the barriers and bringing in the cutting edge technology. NICHE is one among the Universities from South India that hosted a live private cloud infrastructure with 24x7 remote access. The entire design and development is managed by a dedicated team of NICHE.

• Advanced Computing Laboratory has been established with its focus on high performance computing research for engineering and scientific applications. Now-a- days, it is required to process huge volumes of data that emerge from surveillance systems, social media applications, scientific simulations such as analyzing weather data etc.in a lightning speed.

• The Robotics Laboratory in CACR has been set up with a humanoid ROBOT SANBOT and client machines available at Robotics Laboratory are equipped with INTEL Artificial Intelligence (AI) package Open Visual Inference and Neural Network Optimization (OpenVINO). The SANBOT trained for multiple applications using the SANBOT SDK and OpenVINO is employed in training the students towards AI applications.

CENTRE FOR SATELLITE TECHNOLOGY AND APPLICATIONS (CSTA)

• Noorul Islam Centre for Higher Education has started a separate state of the art research facility Centre for Satellite Technology and Applications for the development of Nano Satellites with the participation of students and faculty alongside industrial collaboration with other leading research organizations of the country to monitor the Indian land mass continuously and help the disaster managers by providing timely data during the onset of a disaster.

• Noorul Islam Centre for Higher Education realized a Nano Satellite named NIUSAT with the main objective of providing an opportunity to the students and faculty of the University to get first-hand knowledge and expertise in satellite technology and its societal applications.

• With the advent of miniaturization in electronics, Nanotechnology and the availability of Commercial-Off-The-Shelf (COTS) components, many useful payloads are being realized for the Nano Satellite applications. The NIUSAT Nano Satellite has been developed at Noorul Islam Centre for Higher Education under ISRO Student Nano Satellite program.

NICHE SKILL PARK

At Noorul Islam Centre for Higher Education (NICHE) Skill Park, we are committed to empowering individuals with the skills and knowledge needed to excel in today's competitive world. As a premier skill development centre, we offer industry-aligned courses in collaboration with esteemed organizations such as the Ministry of Skill Development and Entrepreneurship (MSDE), National Skill Development Corporation (NSDC), National Council for Vocational Education and Training (NCVET), Skill India Mission, Federation of Indian Chambers of Commerce and Industry (FICCI), and the Sports, Physical Education, Fitness, and Leisure Skills Council (SPEFL SC). Our programs are designed to bridge the gap between education and employment, providing hands-on training, industry-recognized certifications, and placement assistance. Whether you are a school graduate, working professional, or aspiring entrepreneur, NICHE Skill Park offers flexible learning options, state-of-the-art infrastructure, and experienced faculty to help you achieve your career goals. From high-demand sectors like IT, healthcare, and logistics to emerging fields such as renewable energy, AI, and sports and fitness, our courses cater to diverse interests and aspirations.

SPEFL-SC
Sports & Fitness Sector Skill Council
Creating Livelihoods Through Sports and Fitness

सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT
& ENTREPRENEURSHIP

N·S·D·C
RE IMAGINE FUTURE

NCVET
कौशल गुणवत्ता प्रगति

Skill India
कौशल भारत-कुशल भारत

FICCI

ATAL-SPONSORED 6 DAYS ONLINE FDP ON "ADVANCED TECHNOLOGIES FOR SMART POWER SYSTEMS"

The Department of Electrical and Electronics Engineering of Noorul Islam Centre for Higher Education, Kumaracoil organized the ATAL-sponsored Six-Days Online Faculty Development Program (FDP) on "Advanced Technologies for Smart Power Systems," from 10th to 15th February 2025, scheduled daily from 6:00 PM to 9:00 PM. This FDP aims to provide valuable insights into cutting-edge technologies in the field of Smart Power Systems.

The FDP was meticulously coordinated by Dr. D. M. Mary Synthia Regis Prabha, Associate Professor, EEE Department, NICHE and co-coordinated by Dr. B. Ben Sujitha, Department of CSE, NICHE.

With an overwhelming participation of 285 participants from across India, this FDP featured 13 expert-led sessions delivered by distinguished speakers from USA, Oman, Sri Lanka, and prestigious institutions like IIST, NIT, and VIT. Industry experts led 7 sessions from leading organizations and 6 sessions were delivered by renowned academicians, enriching participants with advanced knowledge.

The program was inaugurated by the esteemed Registrar of NICHE, Dr. P. Thirumalvalavan, followed by a keynote address by Mr. Beril Chandra, Software Development Manager, Syniverse Technologies, Bengaluru on 10th February 2025.

The first day's sessions were handled by Mr. G. Sam Devadhas, General Manager, JSW Energy Limited, Karnataka, who provided valuable industry insights followed by Dr. Sheeba Rani J., Professor, IIST, Thiruvananthapuram, who shared advanced academic perspectives.

The valedictory function took place on 15th February 2025, marking the successful completion of this impactful learning experience.

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Ministry of MSME, Govt. of India

TBI - NICHE
TECHNOLOGY BUSINESS INCUBATOR
IDEATE INNOVATE INCUBATE

APJ AWARDS

The APJ Award, initiated in 2019 by Noorul Islam Centre for Higher Education (Deemed -to-be-University) and NIMS Medicity, serves as a platform to honour individuals who have showcased excellence, best practices, and remarkable achievements in their respective fields of work. This prestigious award celebrates the accomplishments of outstanding individuals and recognizes their significant contributions to their areas of expertise.

AWARD IN THE PREVIOUS YEARS

2024

Dr. N. KALAISELVI
Director General,
CSIR & Secretary DSIR

2023

Dr. KRISHNA M ELLA
Executive Chairman,
Bharat Biotech
International Ltd.

2022

Dr. TESSY THOMAS
Distinguished Scientist and
Director General, DRDO,
Govt. of India

2021

Shri. BINU FRANCIS
Corporation Secretary,
Thiruvananthapuram

2020

Dr. S. SOMANATH
Director of Vikram Sarabhai
Space Centre (VSSC)

2019

Shri. ASHIQUE KARATTIL IES
Regional Passport Officer,
Thiruvananthapuram

MBA Incubation Center

The MBA Incubation Center is designed to equip students with essential skills for entrepreneurship and managing significant business ventures. This is achieved through intensive training led by market leaders and a dedicated team of experienced faculty. Under initiatives like the Khadi Boutique and Earthenware projects, students collaborated with local artisans from the village of Thozhukkal to create unique artifacts, providing economic support to these craftsmen and uplifting their community.

During the three-day World Parliament of Religions held at the Vatican, Mr. M.S. Faizal Khan, Pro-Chancellor of Noorul Islam University and Managing Director of NIMS Medicity, showcased traditional clay utensils handcrafted in Thozhukkal. This event was part of the centenary celebrations of the All-Religion Conference organized by Sri Narayana Guru at the Aluva Advaita Ashram 100 years ago, in collaboration with Sivagiri Mutt. The Pope was intrigued by the intricate details and cultural significance of these clay utensils, which now grace his dining table, marking a moment of historic pride for the artisans of Thozhukkal.

M.S. Faizal Khan, Pro-Chancellor of Noorul Islam University, explaining the details of the clay utensils gifted to the Pope, accompanied by his wife, Fatima Misaj

NEW COURSES

Engineering

Kalvium

Noorul Islam Centre For Higher Education Collaboration with Kalvium

The collaboration between Noorul Islam Centre For Higher Education and Kalvium brings together academic excellence and industry expertise to offer innovative, future-ready engineering programs. With a focus on hands-on, real-world learning and personalized mentorship, these programs are designed to equip students with the skills and knowledge needed to thrive in today's competitive job market. The curriculum integrates practical learning, live projects, and cutting-edge technologies to ensure graduates are prepared for successful careers.

B.Tech in Information Technology

Program Overview:

This program focuses on developing a strong foundation in modern computing technologies, software development, and cloud computing. Students will gain hands-on experience in programming, system design, data management, and web development, preparing them for a wide range of IT roles. Real-world projects and industry-relevant tools ensure graduates are job-ready from Day 1.

Key Highlights:

- Emphasis on software development, cloud computing, and database management.
- Project-based learning from the first year, ensuring practical experience.
- Training in modern technologies such as Python, Java, SQL, and DevOps tools.
- 1:1 Mentorship and personalized guidance to enhance learning.
- Higher Salary Placements after graduation, based on industry demands.

Career Opportunities: Graduates can pursue roles in software development, system architecture, IT consulting, and cloud solutions, across sectors like IT, finance, healthcare, and government.

COURSES OFFERED

- B.E. Artificial Intelligence and Machine Learning
- B.E. Computer Engineering (Software Engineering)
- B.E. Computer Science and Engineering (Artificial Intelligence)

B.E. in Computer Engineering (Software Engineering)

Program Overview:

This program focuses on building highly skilled software engineers through project-based learning and industry-aligned curriculum. Students will master full-stack development, software architecture, scalable system design, and DevOps. The program aims to produce professionals who can work with modern software engineering tools and technologies, ensuring they are ready for mid-level roles in the tech industry.

Key Highlights:

- Comprehensive curriculum on full-stack development, scalable software design, and DevOps.
- Hands-on projects and real-world coding experience from the first semester.
- Industry-relevant tools such as Python, Java, JavaScript, C++, Docker, and Kubernetes.
- 1:1 Mentorship from experienced industry professionals.
- Placement-ready with high-paying roles in top tech companies.

Career Opportunities: Graduates are well-prepared to become Full Stack Developers, Cloud Engineers, IT Consultants, and Product Engineers, with opportunities in software development, cloud solutions, and product engineering.

B.E. in Computer Science and Engineering (Artificial Intelligence)

Program Overview:

This program provides a solid foundation in computer science along with specialized expertise in Artificial Intelligence. Students will learn key AI techniques such as deep learning, natural language processing, and machine vision, preparing them to tackle complex challenges and develop innovative AI solutions for real-world problems.

Key Highlights:

- In-depth learning of AI techniques such as machine learning, computer vision, and natural language processing.
- Hands-on learning through AI-driven projects and applications.
- 1:1 Mentorship from AI industry leaders and experts.
- Exposure to cutting-edge technologies like Python, TensorFlow, and Kubernetes.
- Real-world projects to build AI-driven solutions and applications.

Career Opportunities: Graduates can pursue careers as AI Engineers, Data Scientists, NLP Engineers, Deep Learning Engineers, and more, working in industries like robotics, healthcare, e-commerce, and AI-driven technologies.

Key Features across all Programs:

- Real-World Learning: Project-based learning from Day 1, applying theoretical knowledge to real-world scenarios.
- Industry-Aligned Curriculum: Constantly updated to keep pace with emerging technologies and industry needs.
- 1:1 Mentorship: Personalized mentorship and feedback from industry experts to accelerate learning.
- Skill Mastery: Gain hands-on experience in modern technologies such as AI/ML, cloud computing, full-stack development, and more.
- Job-Ready Graduates: Focus on equipping students with the skills needed for high-paying, mid-level roles in top tech companies.

B.E. in Artificial Intelligence and Machine Learning

Program Overview:

This program is designed to provide students with an in-depth understanding of Artificial Intelligence (AI) and Machine Learning (ML). It equips students with skills in neural networks, deep learning, data analytics, and AI ethics, preparing them for careers in innovative fields. With a strong emphasis on hands-on learning through real-world projects, students will develop intelligent systems, predictive models, and AI-driven solutions.

Key Highlights:

- Focus on AI/ML technologies such as neural networks, deep learning, and predictive analytics.
- Hands-on Projects involving real datasets and intelligent model development.
- 1:1 Mentorship and continuous feedback for personalized learning.
- Industry-aligned Curriculum to build job-ready skills.
- Placement-focused with competitive salary packages post-graduation.

Career Opportunities: Graduates are prepared to work as AI Engineers, Machine Learning Engineers, Data Scientists, and more, across industries like healthcare, finance, robotics, and data analytics.

Arts & Science

NICHE in Collaboration with FACE Prep Campus

The collaboration between NICHE and FACE Prep Campus combines academic excellence with industry expertise to offer hands-on, future-ready degree programs. This partnership aims to equip students with the skills, confidence, and industry insights necessary to excel in their careers. With a focus on practical learning, FACE Prep Campus provides workshops, industry projects, and expert mentoring, ensuring students are job-ready. *Assured Placement-focused training and paid internships further support their career success.

B. Sc. in Artificial Intelligence & Machine Learning

Course Highlights

Corporate-inspired classrooms with free Wi-Fi & tech boards.
Hands-on learning with at least 4 hours of technology-based work daily.
Personalized support from seasoned industry mentors.
Certifications in Artificial Intelligence, Machine Learning, Data Science & Full Stack Development
Paid internships with stipends of 10K–20K/month.
*Assured placements with salary packages of 3–10 LPA.

Career Opportunities

Graduates of the program are highly sought after for roles in High-tech industries. They can excel as Artificial Intelligence Specialists, Machine Learning Engineers, or Data Scientists, developing intelligent systems, predictive models, and advanced algorithms. Opportunities also include positions as Robotics Engineers and AI Researchers, where graduates contribute to innovative technologies. With the growing demand for Artificial Intelligence and Machine Learning expertise across leading technology, students are well-positioned for successful and rewarding careers.

COURSES OFFERED

- B. Sc. in Artificial Intelligence & Machine Learning
- B. Com. with E-Commerce and Digital Marketing
- B. Com. in Fintech with Artificial Intelligence

B. Com. with E-Commerce and Digital Marketing

Key Highlights

Corporate-inspired classrooms with free Wi-Fi & tech boards.
Learn digital marketing, SEO, and e-commerce strategies.
Gain practical experience with hands-on workshops.
Certifications in Digital Marketing and Social Media Strategies.
Paid internships with stipends of 10K–20K/month.
*Assured placements with salary packages of 3–10 LPA.

Career Opportunities

The program opens doors to dynamic careers in the digital economy. Graduates can pursue roles as Digital Marketing Analysts, e-Commerce Managers, or Social Media Specialists, driving engagement and growth for businesses online. They are also prepared for careers as SEO Analysts or Content Marketing Managers, helping brands strengthen their online presence. With expertise in digital marketing strategies and e-commerce operations, students are well-equipped to thrive in industries like advertising, digital media, and online business management.

B. Com. in Fintech with Artificial Intelligence

Key Highlights

Corporate-inspired classrooms with free Wi-Fi & tech boards.

Expertise in Artificial Intelligence applications within finance.

Learn financial technologies like blockchain and data analysis.

Gain skills through industry-driven projects.

Paid internships with stipends of 10K–20K/month.

*Assured placements with salary packages of 3–10 LPA.

Career Opportunities

Graduates of the program are uniquely positioned to lead in the rapidly evolving FinTech industry. They can pursue careers as FinTech Analysts, Artificial Intelligence Specialists in Finance, or Blockchain Developers, applying Frontline technology to financial systems. Additional opportunities include roles as Financial Data Analysts or Risk Management Analysts, where graduates use data and Artificial Intelligence to make informed decisions and mitigate risks. With a strong foundation in finance and technology, students are equipped to secure roles in banking & investment.

Bachelor of Science (B.Sc.) in Animation and Visual Effects

TOONZ MEDIA GROUP

This course is designed to equip students with the skills required to excel in one of the most dynamic and rapidly growing sectors of the global media and entertainment industry.

The four-year Honours course will blend rigorous theoretical instruction with hands-on practical experience, offering a comprehensive curriculum that covers the latest techniques and technologies in animation and visual effects. With Toonz as the industry partner, students will benefit from direct exposure to cutting-edge practices, mentorship from industry veterans, and an enriched learning environment.

The program aims to bridge the gap between academic learning and real-world application, ensuring that graduates are job-ready and well-equipped to make their mark in the animation and visual effects industry.

COURSES OFFERED

- B. Sc. Hon's in Animation and Visual Effects

This program is brought in association with Toonz Media Group a full-service animation powerhouse. This initiative reflects NICHE's unwavering commitment to integrating industry-driven education with cutting-edge technology, enabling students to master the art and science of animation, gaming, and visual effects. Through this program, NICHE aims to nurture a new generation of creative professionals who are not only proficient in advanced animation techniques but also adept at storytelling, digital design, and immersive media production.

Further elevating the learning experience, Toonz Media Group will establish an Incubation Centre at the NICHE campus, providing students with an exclusive opportunity to gain hands-on experience by working on live projects, collaborating with industry experts, and securing high-value internships.

This state-of-the-art facility will serve as a vibrant creative hub, fostering innovation, skill development, and entrepreneurial thinking in a real-world production environment. By integrating academic excellence with industry mentorship, NICHE envisions this initiative as a stepping stone for students to excel in the global animation and digital media industry, making NICHE a premier destination for aspiring animators and visual effects artists.

NICHE is committed to providing students with cutting-edge educational opportunities that align with industry trends and demands. This partnership aims to equip students with advanced technical skills, creative expertise, and real-world industry exposure, ensuring they are well-prepared for dynamic careers in animation, gaming, and visual effects.

Founded in 1999 as a service studio, Toonz Media Group has evolved into a full-service animation powerhouse, creating over 10,000 minutes of high-quality 2D and 3D animated content annually. Toonz has forged strong partnerships with some of the world's most prominent international networks, studios, and broadcasters, securing its place as a major player on the global animation stage. The company's innovative approach and unwavering commitment to excellence have made it a recognized leader in the field, with a reputation for producing world-class content at scale. Toonz has to its credit several animations and live-action series, as well as feature films including Wolverine and the X-Men with Marvel, Speed Racer: The Next Generation with Lionsgate, Mostly Ghostly with Universal, Gummy Bear and Friends, and more. Toonz has also ventured into emerging technologies like AR, VR, and Gaming.

Toonz's partnership with NICHE takes the company's dedication to nurturing new talent to the next level. While Toonz has long supported educational initiatives through its Toonz Academy, this partnership with a renowned university reinforces the company's commitment to providing a holistic and industry-aligned education.

B.Sc. Sports Science

A B.Sc in Sports Science (Bachelor of Science in Sports Science) is an undergraduate degree program that focuses on the study of how the human body functions during physical activity, as well as the principles and practices of exercise and sport. The program typically combines theory and practical learning, helping students understand how exercise can improve health, enhance athletic performance, and prevent injuries.

Scope of the Course

The scope of a B.Sc in Sports Science is expected to grow in the coming years due to several trends in both health and fitness industries and sports-related fields:

Growing Awareness of Health and Fitness: With increasing attention on lifestyle diseases, fitness, and preventive healthcare, there is rising demand for experts who can design effective exercise and rehabilitation programs.

Sports Industry Expansion: As professional sports and recreational sports become more globalized, sports organizations, teams, and athletes are investing more in sports science professionals to optimize performance and prevent injuries.

COURSES OFFERED

- B.Sc. Sports Science

Technological Advancements: The use of wearable devices, motion tracking systems, and performance analysis tools is expected to expand, creating new roles in sports technology, data analysis, and biomechanics.

Increased Focus on Mental Health in Sports: As mental well-being gains more recognition in sports, professionals with a solid foundation in sports psychology will be in demand.

Public Health and Fitness: There is a growing trend toward fitness in the general population, and more individuals are looking for expert advice on nutrition, fitness, and exercise regimens.

Industry-Oriented Opportunities

As the demand for sports science professionals continues to rise, numerous industry-oriented opportunities have emerged. Some of the key areas include:

Professional Sports Teams: Teams, particularly in high-performance sports, are hiring sports scientists, physiologists, and psychologists to help athletes maximize their potential.

Health and Wellness Industry: Fitness clubs, gyms, wellness centers, and corporate wellness programs are increasingly focusing on scientifically-backed fitness plans and injury management, which sports science graduates are well-positioned to lead.

Research and Development: Sports science is an evolving field. Graduates can be involved in research focusing on new training methods, biomechanics, injury prevention, or rehabilitation.

Sports Technology and Analytics: Opportunities are growing in the development of software and tools that analyze athletic performance, health data, and biomechanics, often linked to wearable tech.

Academia and Coaching: There is a demand for qualified coaches and instructors across educational institutions, professional teams, and sports academies, especially those with advanced knowledge in sports science.

Sports Nutrition: Sports scientists are also contributing to the burgeoning field of sports nutrition, which is focused on optimizing diet and supplements for peak performance.

Key areas of study typically include:

Anatomy and Physiology: Understanding the structure and function of the human body, including how the muscles, bones, and organs work together during physical activity.

Exercise Physiology: The study of the body's responses and adaptations to exercise, including the cardiovascular, muscular, and respiratory systems.

Biomechanics: The study of the mechanical aspects of human movement, including forces, motion, and the analysis of techniques.

Sports Psychology: Examining the mental and emotional factors that influence athletic performance, including motivation, focus, and stress management.

Nutrition: Understanding how diet impacts athletic performance and recovery, and learning about the nutritional needs of athletes.

Sports Medicine and Injury Prevention: Studying common injuries in sports and exercise, along with methods for preventing and rehabilitating them.

Coaching and Performance Analysis: The principles of coaching, athlete development, and performance optimization.

Health and Fitness: Promoting general health, wellness, and fitness through physical activity and lifestyle changes.

Career opportunities for B.Sc Sports Science graduates:

Sports Coach or Trainer: Helping athletes improve performance or work with teams in various sports.

Exercise Physiologist: Working in healthcare, helping people improve their fitness or recover from injuries.

- Fitness Instructor/Personal Trainer: Designing fitness programs and training individuals or groups.
- Sports Therapist: Treating injuries and aiding rehabilitation for athletes.
- Sports Nutritionist: Advising athletes and active individuals on proper nutrition for performance and recovery.
- Biomechanics Specialist: Working in research, designing equipment, or assessing athletic performance.
- Health Promotion Specialist: Encouraging and advising on lifestyle changes to improve public health.
- Sports Scientist/Researcher: Conducting research to understand various aspects of sports, exercise, and performance.

The program may also offer opportunities for internships or placements, where students can gain practical experience working with sports teams, clinics, gyms, or health organizations.

Allied Health Sciences

Bachelor of Occupational Therapy (BOT)

Occupational Therapy Course at NICHE: Transforming Education and Career Opportunities

Evolution of the Occupational Therapy Field in the Upcoming Years (2025-2026)

Bachelor of Occupational Therapy (OT) is a dynamic field that is continuously evolving to meet the changing healthcare needs of society. Over the next few years, several trends and advancements will shape the future of Occupational Therapy (OT). BOT is a four and Half Year (Internship) Under graduate Program that leads with providing Rehabilitation support to individuals suffering from functional difficulties aid in ADL using integration of Technology.

Occupational Therapy in NICHE is committed to guiding students in:

- Assistive Technology: The increasing use of wearable devices, virtual reality (VR), augmented reality (AR), and AI-powered rehabilitation tools will revolutionize therapy delivery. These tools will allow occupational therapists to offer more personalized, real-time care that is more effective in rehabilitating patients.
- Telehealth Expansion: With the rise of telemedicine, remote occupational therapy services are becoming an essential part of healthcare, offering more accessible and flexible solutions for patients, especially in rural or underserved regions.
- Smart Devices and Robotics: The integration of robotics in occupational therapy will enhance the precision and efficiency of physical rehabilitation, making it easier for patients to regain motor skills and independence.

Focus on Mental Health and Neurorehabilitation: As mental health becomes a major global concern, occupational therapists will play a larger role in managing and treating mental health disorders, including depression, anxiety, and PTSD. This shift will expand the scope of OT beyond physical rehabilitation to include psychological well-being.

Neurorehabilitation, particularly in treating stroke survivors and patients with neurological disorders, will see significant advancements, driven by research into brain plasticity and new therapeutic techniques.

Aging Population and Geriatric Care: With an increasingly aging population worldwide, there will be a growing need for occupational therapists to help the elderly maintain their independence and improve their quality of life. OT will become essential in managing chronic conditions and preventing falls, enhancing mobility, and providing support for daily activities.

Interdisciplinary Collaboration: Occupational therapists will work more closely with other healthcare professionals in integrated care teams, creating holistic approaches for treating complex conditions, particularly those involving chronic illnesses, disabilities, and injuries.

COURSES OFFERED

- Bachelor of Occupational Therapy (BOT)
- Bachelor of Physiotherapy (BPT)

Global Industry Scope and Opportunities

The global occupational therapy industry is expanding, offering numerous opportunities for trained professionals. This growth is driven by several factors:

- High Demand for Occupational Therapists: According to the World Health Organization, the demand for rehabilitation professionals is rising due to the increase in chronic diseases, aging populations, and the growing emphasis on mental health care. The Bureau of Labor Statistics (BLS) in the United States predicts a 14% job growth for occupational therapists between 2020 and 2030, which is much faster than the average for all professions.
- International Career Opportunities: Occupational therapy is a globally recognized profession, with opportunities to work in various countries, including the U.S., Canada, the UK, Australia, and parts of Asia. As healthcare systems evolve in emerging markets, there is a significant demand for occupational therapy services, creating career prospects for professionals worldwide.
- Telehealth and Remote Therapy: As telehealth becomes a critical part of healthcare, occupational therapists will have the opportunity to provide virtual services to patients across borders, ensuring access to rehabilitation and therapy in underserved areas.
- Emerging Markets: In regions such as Southeast Asia, Africa, and Latin America, the growing awareness of healthcare and rehabilitation services has spurred a demand for occupational therapy. These markets present untapped opportunities for OT professionals to establish themselves and expand the field.

Industry-Oriented Opportunities in Occupational Therapy

With the rapid evolution of healthcare and technology, new industry-oriented opportunities for occupational therapists are emerging:

- **Assistive Technology and Device Development:** Occupational therapists are increasingly collaborating with engineers and developers to create innovative assistive devices and technologies. These advancements, such as adaptive tools, prosthetics, and robotics, are transforming how patients receive care and rehabilitation.
- **Corporate Wellness and Ergonomics:** There is a growing demand for occupational therapists to contribute to workplace health and safety. Many companies now employ OTs to design ergonomic workspaces, reduce injury risks, and improve employee well-being.
- **Mental Health and Rehabilitation Programs:** The mental health crisis has led to new roles for OTs in providing therapeutic interventions for individuals with mental health conditions. OTs will be involved in developing rehabilitation programs for mental illness, substance abuse, and stress management.
- **Research and Academia:** As the field of occupational therapy continues to evolve, there will be a rising need for research and innovation. OTs will have opportunities to contribute to evidence-based practices and new therapeutic techniques in universities, research institutions, and healthcare centers.

Why Choose Occupational Therapy at NICHE for this Course

NICHE (Noorul Islam Centre for Higher Education) offers an advanced, interdisciplinary approach to Occupational Therapy, combining practical, theoretical, and innovative learning methodologies

to prepare students for a rewarding career in this growing field.

- **Cutting-edge Curriculum**

NICHE offers a comprehensive curriculum that blends the principles of occupational therapy with emerging healthcare trends. Students will gain practical knowledge in rehabilitation, assistive technology, and mental health, ensuring that they are prepared for the demands of the 21st-century healthcare landscape.

- **Industry-Relevant Training**

The curriculum is designed with input from healthcare professionals and industry leaders, ensuring that students receive education that is aligned with current and future market needs. The training includes hands-on experience, clinical placements, and exposure to cutting-edge therapeutic technologies.

- Expert Faculty and Mentorship

NICHE has a team of experienced faculty members who are experts in both the field of occupational therapy and related healthcare disciplines. Students will benefit from personalized mentorship and guidance throughout their studies.

Why NICHE Stands Out

NICHE stands out for its commitment to excellence in occupational therapy education. Here's why:

- World-Class Facilities: NICHE is equipped with state-of-the-art facilities, including modern laboratories, therapy rooms, and research spaces. These facilities enable students to gain hands-on experience with the latest rehabilitation tools and technologies, preparing them for real-world challenges.
- Collaborations with Leading Healthcare Institutions: NICHE has established strong partnerships with healthcare institutions, including NIMS Medicity, one of the leading medical centers in the region. This collaboration provides students with valuable clinical exposure and the opportunity to work in some of the top hospitals and rehabilitation centers.
- Global Perspective: NICHE offers a global perspective on healthcare education, equipping students with the skills needed to work in international and multicultural environments. The university's global collaborations and clinical placements open doors to international career opportunities.

Teaching Methodology at NICHE

NICHE adopts an innovative and dynamic teaching methodology to ensure students receive the best possible education:

- **Interactive and Engaging Classes:** Students will participate in lectures, seminars, and workshops that encourage active learning. These classes focus on real-world case studies, interactive discussions, and collaborative problem-solving.
- **Clinical Placements and Internships:** NICHE ensures that students gain practical experience in real healthcare settings, with placements in hospitals, rehabilitation centers, and clinics. These

internships are crucial for building clinical skills and understanding the daily responsibilities of an occupational therapist.

- Research-Based Learning: Students are encouraged to engage in research projects that explore new rehabilitation techniques and technologies. NICHE fosters a culture of inquiry, allowing students to contribute to the advancement of the OT field.

Laboratory Facilities at NICHE and NIMS Medicity

NICHE offers world-class laboratory facilities designed to enhance the learning and practical experience of its students:

- **Modern Therapy and Rehabilitation Labs:** The institution boasts a comprehensive range of therapy labs where students can practice rehabilitation techniques and interventions, using state-of-the-art tools such as adaptive devices, rehabilitation robotics, and virtual reality therapy systems.
- **Genetics and Molecular Biology Labs:** NICHE's advanced labs in genetics and molecular biology provide students with insight into how genetic factors influence therapy outcomes, allowing them to incorporate molecular insights into their therapeutic approach.
- **Clinical Practice at NIMS Medicity:** NICHE's collaboration with NIMS Medicity gives students the unique opportunity to experience clinical practice in one of the leading medical institutions in the region of Trivandrum. Students will gain hands-on experience in treating patients across various specialties, including pediatric, geriatric, and neurorehabilitation therapy.

Occupational Therapy Scope

Pursuing a Bachelor of Occupational Therapy (BOT) can open up various opportunities in healthcare and rehabilitation. The most prevalent occupational therapy scope is as follows:

Hospitals and Rehabilitation Centers

Occupational therapists play a crucial role in rehabilitation settings, helping individuals recover from injuries or surgeries.

Schools

In educational settings, the occupational therapy scope is extremely high as occupational therapists work with children to enhance their academic and social participation.

Community Health

Occupational therapists contribute to community health initiatives, promoting wellness and independence among diverse populations.

Geriatrics

With the ageing population, occupational therapists are in demand in settings catering to the elderly, including assisted living facilities and nursing homes.

Mental Health Facilities

Occupational therapists work in mental health settings, addressing the occupational challenges faced by individuals with mental health conditions.

Private Practice

Occupational therapists may establish private practices, offering specialised services to individuals in need.

Research and Academia

Some occupational therapists pursue careers in research or academia, contributing to the advancement of occupational therapy knowledge and education.

Specialisations

Graduates may choose to specialise in areas such as hand therapy, neurorehabilitation, or other niche fields, broadening the scope of their expertise.

Community Outreach

Occupational therapists engage in community outreach initiatives, promoting health and wellness among populations with disabilities or chronic conditions beyond traditional healthcare settings.

Career Options After Occupational Therapy

The Bachelor of Occupational Therapy (BOT) course offers students a wide range of career options. The most prevalent occupational therapy career options are:

Clinical Practice

Graduates can work as clinical occupational therapists in various healthcare settings, applying their knowledge and skills to directly impact patients' lives.

Specialisations

Occupational therapists can specialise in areas such as hand therapy, neurorehabilitation, or assistive technology, opening up diverse career paths.

Research and Education

Some graduates choose careers in research or academia, contributing to the advancement of occupational therapy knowledge.

Community Outreach

Occupational therapists engage in community-based programmes, promoting health and wellness for individuals

Join NICHE to Pursue a Transformative Education in Occupational Therapy

At NICHE, we are committed to providing students with a transformative education that combines advanced theoretical knowledge with hands-on clinical experience. Our cutting-edge curriculum, expert faculty, world-class facilities, and strong industry connections ensure that our graduates are ready to make a meaningful impact in the field of occupational therapy.

Apply now to NICHE and become a part of a forward-thinking community that is shaping the future of healthcare. Pursue a career that is both rewarding and impactful, as you help individuals regain their independence and improve their quality of life through occupational therapy.

"Occupational Therapy is not about what's been lost, but about what's still possible"

Start your journey towards a transformative career in Occupational Therapy at NICHE today!

Bachelor of Physiotherapy (BPT)

The Bachelor of Physiotherapy (BPT) program at NICHE (Noorul Islam Centre for Higher Education) offers a comprehensive and industry-oriented approach to the field of physiotherapy. The course is designed to equip students with the knowledge and practical skills required to treat a wide range of physical ailments and conditions. With advancements in medical science and technology, the physiotherapy field is evolving rapidly, making it an exciting and future-proof career path. This program aims to provide students with a strong academic foundation, hands-on experience, and exposure to the latest developments in physiotherapy. The BPT is a four year undergraduate course including compulsory six months of clinical internship involving the science of physical movement aimed at preventing diseases and disability

Evolution of the Physiotherapy Therapy Field in the Upcoming Years (2025-2026)

The field of Physiotherapy therapy is set to undergo significant changes in the next few years. As the global population continues to age and as lifestyle-related diseases become more prevalent, there will be an increasing demand for skilled healthcare professionals, including physiotherapists and occupational therapists.

The following trends are expected to shape the future of physiotherapy in the 2025-2026 period:

Technological Advancements:

• Tele-rehabilitation and virtual therapy will become more common, especially post-pandemic, with the development of wearable devices that track patient progress in real-time.

• Artificial Intelligence (AI) and robotics will play an essential role in patient care, enhancing rehabilitation outcomes.

Aging Population

• As people live longer, there will be a higher demand for physiotherapy services related to elderly care, including rehabilitation after surgeries, pain management, and chronic disease management.

Personalized and Preventive Care:

• Physiotherapists will increasingly focus on personalized care plans, using data-driven insights to provide more effective treatments.

• Preventive physiotherapy will gain prominence, aiming to reduce the occurrence of injuries and musculoskeletal disorders.

Scope and Opportunities in Physiotherapy

The scope of physiotherapy is vast, and the demand for qualified professionals is expected to grow exponentially. Some of the key areas of opportunity include:

• Clinical Practice: Physiotherapists can work in hospitals, clinics, and private practices treating musculoskeletal disorders, neurological conditions, and pediatric issues.

• **Sports Physiotherapy:** Specialized physiotherapists are in high demand in the sports sector, focusing on injury prevention, rehabilitation, and performance enhancement.

• **Geriatric Physiotherapy:** With the aging population, physiotherapists will have more opportunities in geriatrics, helping older adults manage mobility and independence.

- **Pediatric Physiotherapy:** Working with children with developmental issues, cerebral palsy, or congenital disorders offers a rewarding career path.
- **Research and Academics:** Opportunities exist in research and academia for those interested in advancing the science behind physiotherapy, improving treatment methods, and contributing to the academic community.

Industry- oriented opportunities in Physiotherapy

NICHE's physiotherapy course is designed to offer industry-oriented opportunities for students. Some of these include:

- **Internships and Clinical Training:** NICHE collaborates with leading healthcare institutions, providing students with internship opportunities for real-world experience.
- **Collaborations with Hospitals and Healthcare Providers:** Students will gain exposure to high-end facilities like NIMS Medicity, Neyyatinkara, where they will interact with experienced professionals and learn cutting-edge practices.
- **Workshops and Seminars:** Regular workshops and guest lectures from industry leaders will keep students updated with the latest trends and innovations in physiotherapy.
- **Industry Tie-Ups:** NICHE has strong ties with healthcare providers and hospitals, providing students with seamless transition opportunities for employment after course completion.

Why Choose Physiotherapy at NICHE for this Course?

NICHE stands out as an exceptional institution for pursuing a career in physiotherapy due to its:

- Accredited and Rigorous Curriculum: The BPT program is structured to meet the needs of the evolving physiotherapy industry, ensuring that graduates are well-equipped for professional practice.
- Experienced Faculty: NICHE's faculty members are seasoned professionals and experts in physiotherapy with years of clinical and academic experience.
- State-of-the-art Facilities: Students will have access to world-class learning environments, including modern physiotherapy laboratories and equipment.
- Holistic Approach to Learning: The curriculum integrates both theoretical knowledge and practical skills, ensuring that students are job-ready by the time they graduate.

Why NICHE Stands Out

NICHE distinguishes itself in the field of education due to several unique features:

- Commitment to Excellence: NICHE has a proven track record of academic excellence, with a focus on high-quality teaching, research, and hands-on experience.
- Integration with NIMS Medicity: NICHE students have exclusive access to NIMS Medicity, a leading medical facility in Neyyatinkara, which helps in providing exposure to real-world clinical practice and advanced medical treatments.
- International Recognition: NICHE's programs are recognized globally, ensuring that students can work both in India and abroad.
- Career Support and Placement Services: The institute has a dedicated career services team to assist students with job placements and internships, helping them build a solid foundation for a successful career.

Teaching Methodology at NICHE

At NICHE, the teaching methodology is innovative, student-centered, and designed to foster practical learning. Key aspects include:

- Interactive Learning: The curriculum is designed to be engaging and hands-on, with a combination of classroom lectures, case studies, and interactive discussions.
- Practical Exposure: Emphasis on clinical exposure through internships and attachments with hospitals like NIMS Medicity ensures students are prepared to face real-life challenges.
- Research-Based Learning: Students are encouraged to participate in research projects and contribute to the advancement of physiotherapy practices.
- Technology-Driven Learning: Integration of the latest medical technology and virtual learning platforms ensures students stay up-to-date with the latest trends in physiotherapy.
- Laboratory Facilities at NICHE and NIMS Medicity, Neyyatinkara: The laboratory facilities at NICHE are equipped with modern tools and equipment, ensuring that students get hands-on training in various physiotherapy techniques. These include:
- Musculoskeletal Therapy Labs: Specialized equipment for musculoskeletal rehabilitation, including therapeutic ultrasound, electrotherapy units, and more.
- Neurological Therapy Labs: Focus on treatment techniques for neurological disorders such as stroke, spinal cord injuries, and cerebral palsy.
- Exercise Physiology Labs: Equipped with devices for fitness testing, strength assessment, and cardiovascular health evaluation.

Physiotherapy Roles & Responsibilities

Physiotherapists play a pivotal role in the healthcare system, and their responsibilities may include:

- Conducting patient assessments to identify physical limitations and impairments.
- Developing personalized treatment plans and goals for patients.
- Implementing therapeutic exercises, manual techniques, and other interventions.
- Monitoring progress and modifying treatment as needed for optimal results.
- Educating patients on injury prevention and self-management techniques.
- Collaborating with other healthcare professionals for holistic patient care.

NIMS Medicity

Students have the unique opportunity to intern and practice at NIMS Medicity, a leading hospital in Neyyatinkara, which offers advanced facilities and treatments in physiotherapy and rehabilitation. Join NICHE to Pursue Education in Physiotherapy

If you're passionate about helping people recover and improve their quality of life, NICHE provides the ideal environment to pursue a Bachelor of Physiotherapy (BPT). With industry-oriented programs, top-tier faculty, modern facilities, and strong hospital ties, NICHE is your gateway to a successful and rewarding career in physiotherapy.

"Physiotherapy is not just about movement, it's about restoring life's potential"

Enroll today and join NICHE for a future in physiotherapy!


Cloud
NEWS

ENGINEERING & TECHNOLOGY

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

"Crafting a Smarter Tomorrow with Technology"

COURSES OFFERED

- B.E. Computer Science and Engineering
- B.E. Artificial Intelligence and Data Science
- M.E. Computer Science and Engineering
- Ph.D. Computer Science and Engineering

Established in [1989], our Department of Computer Science and Engineering has been at the forefront of technological innovation, nurturing creativity and research excellence. With a strong emphasis on academics, cutting-edge research, and holistic student development, the department is committed to producing globally competent professionals and leaders in Innovation.

The future of Computer Science and Engineering (CSE) promises significant growth and transformation, driven by technological advancements, global digitalization, and increasing demand for specialized skills.

Key Areas of Growth in CSE

- Artificial Intelligence and Machine Learning (AI/ML)
- Cybersecurity
- Data Science and Analytics
- Blockchain Technology
- Internet of Things (IoT)

Projected Job Growth and Demand

Global Perspective

- Employment Projections: According to the U.S. Bureau of Labor Statistics (BLS), jobs in computer and information technology fields are expected to grow by 15% from 2021 to 2031, much faster than the average for all occupations.
- Job Vacancies: Over 682,800 new jobs are expected to be created within the decade globally.

Region-Specific Insights

- United States: Strong demand for software developers, cybersecurity specialists, and data scientists.
- Europe: High demand in AI, cloud services, and cybersecurity due to stricter data privacy laws (GDPR).
- Asia-Pacific: Rapid digital transformation with strong demand in mobile application development, cloud infrastructure, and IoT.

The field of CSE will continue to be a powerhouse of innovation and job creation. While competition may increase for standard roles, significant opportunities will arise for those with specialized skills. For which Higher Education Institutions NICHE will play a crucial role in meeting the talent demands by focusing on these emerging technologies and interdisciplinary approaches.

Investing in NICHE is a lifelong learning and staying updated with technological advancements will be key for aspiring and current CSE professionals to thrive in this dynamic landscape.

Salient Features of the Department of Computer Science and Engineering

- Advanced Labs: Includes state-of-the-art facilities like the iOS Lab, Intel Unnati Lab, Cloud

Computing Lab, and Artificial Intelligence Lab for hands-on learning and research.

- Value-Added Courses: Programs like Swift Programming, IoT, and DevOps empower students with industry-relevant skills.
- Workshops and Seminars: Regularly organized events featuring industry experts to enhance technical knowledge and soft skills.
- Research Opportunities: Access to cutting-edge technologies for projects in AI, IoT and cloud computing.
- Placement Support: Strong placement records with top recruiters and comprehensive career guidance programs.
- Experienced Faculty: Highly qualified and research-driven faculty fostering academic and professional growth.
- Student Development: Tailored programs under the NICHE Learning Level Policy for both advanced and slow learners.
- Holistic Training: Emphasis on both technical and interpersonal skill development through co-curricular and extra-curricular activities.

Infrastructure & Facilities

State-of-the-Art Labs

- iOS Lab: Equipped with Apple devices and tools like Xcode for iOS app development.
- Intel Unnati Lab: Cutting-edge resources for research in IoT, AI, and edge computing.
- Cloud Computing Lab: Facilities for hands-on experience with cloud platforms like AWS.
- Artificial Intelligence Lab: Advanced tools for machine learning, deep learning, and data analysis projects.
- High-performance computing clusters and programming environments.
- Smart classroom equipped with modern teaching tools.

Academic Excellence

- Cutting-edge curriculum aligned with industry standards and global trends.
- Collaboration with renowned universities and organizations for academic enrichment.
- Regular guest lectures, workshops, and webinars by industry leaders.
- Highly qualified and experienced faculty members.
- Research publications, patents, and collaborations with industry.

Student Opportunities

- Internship programs with top tech companies.
- Industry collaborations and live projects.
- Student clubs (coding, robotics etc).
- Hackathons, seminars, and workshops.
- Steve Jobs Scholarship instituted from November 2022 by NICHE onwards by providing value-added training for eligible students.

Student Support

- Mentorship and counselling systems - Each student is assigned a mentor who monitors their academic progress, career goals, and personal development, facilitate parent-teacher communication, offering tailored advice and support.
- NICHE learning level policy for advanced and slow learners. The institution assesses the learning levels of the students and organizes special programmes for advanced learners and slow learners.

Alumni Network

Our alumni are employed in reputed organizations such as TCS, CTS, Wipro, IBM, Accenture, Amazon, L&T Infotech, and many others. A significant number of them are successful entrepreneurs, owning their own software companies. Additionally, many alumni have pursued careers in academia and research, serving as professors, researchers, and holding senior positions in engineering colleges and universities.

"Join us to shape the technology of tomorrow!"

DEPARTMENT OF **INFORMATION TECHNOLOGY**

The Department was established during the academic year 1998 - 1999. The department has focused in tuning the students to face the challenges of the changing technology. The undergraduate course aims at producing quality professionals, holding important positions in diverse job profiles related to this field. The post graduate course aims at training students to achieve professional success and take up challenges in research.

Scope of the Course in the Upcoming Years

High Demand for Cybersecurity Experts: The growing frequency of cyber attacks and data breaches is driving demand for professionals skilled in cybersecurity and digital forensics across industries.

Job Roles: Graduates can pursue careers as ethical hackers, security analysts, forensic analysts, penetration testers, cybersecurity consultants, and information security managers.

Market Growth: The global cybersecurity market is projected to grow from approximately $202 billion in 2023 to $266 billion by 2027, leading to increased job opportunities.

Year-wise Job Growth Projections

- 2024: Estimated 3.5 million unfilled cybersecurity jobs globally due to talent shortages.
- 2025: Demand expected to grow by 20–25%, fueled by stricter data protection regulations and cloud-based security needs.
- 2026 and Beyond: Rapid digital transformation and IoT adoption will further boost job vacancies, with a projected 30% rise in job openings year-on-year.

Government and Corporate Investments: Increased investments in cybersecurity infrastructure by governments and enterprises will create more opportunities for skilled professionals.

Emerging Technologies: Expertise in securing AI, IoT, blockchain, and cloud-based systems will enhance job prospects.

Talent Gap: Many regions, including the US, Europe, and Asia-Pacific, are experiencing significant shortages of skilled cybersecurity professionals, making this specialization highly rewarding.

Long-term Career Growth: Continuous learning and upskilling in advanced cybersecurity techniques can lead to senior-level roles with high salaries and job stability.

Industry-Oriented Opportunities

Industry Internships: Students can undertake internships with cybersecurity firms, IT consultancies, government agencies, and financial institutions to gain hands-on experience in real-world scenarios.

Collaboration with Industry Leaders: Partnerships with tech giants like Microsoft, IBM, Cisco, and Deloitte often provide students with exposure to cutting-edge technologies and industry best practices.

COURSES OFFERED

- B.Tech. Information Technology with specilization in Cyber Security & Forensics
- B.Sc. Cyber Forensics
- M.E. Cyber Security
- Ph.D. Information Technology

Workshops and Seminars: Participation in workshops, boot camps, and seminars conducted by industry professionals enhances practical skills and keeps students updated on the latest trends and threats in cybersecurity.

Hackathons and Competitions: Engagement in Hackathons, Capture The Flag (CTF) events, and coding challenges offers practical exposure to problem-solving in cybersecurity.

Real-World Forensic Applications: Opportunities to work on simulated or real digital forensic investigations, analyzing cybercrime evidence, and understanding legal frameworks.

Mentorship Programs: Networking and Mentorship programs with experienced cybersecurity experts can guide students in their career paths and provide valuable insights.

Collaborative Research Projects: Students can collaborate with organizations on research projects addressing emerging cybersecurity challenges, such as AI-based threat detection or IoT security.

Certifications and Training: Many institutions offer industry-recognized certifications like CEH (Certified Ethical Hacker) or CISSP (Certified Information Systems Security Professional) in collaboration with cybersecurity bodies.

Government and Defense Collaborations: Partnerships with government cybersecurity initiatives and defense organizations for training in national-level security projects.

Start-Up Incubators and Innovation Labs: Access to innovation labs and start-up ecosystems encourages students to develop and prototype their cybersecurity solutions.

Live Case Studies and Projects: Working on real-time projects such as securing corporate networks, vulnerability assessments, and creating disaster recovery plans to bridge academic knowledge with industry demands.

Why choose NICHE for this course?

Students choose NICHE for pursuing a B. Tech in IT with specialization in Cyber Security and Forensics due to several compelling reasons:

Industry-Relevant Curriculum:

- The course is designed to align with industry needs, incorporating the latest trends and technologies in cybersecurity and digital forensics.
- Emphasis on hands-on training, practical learning, and real-world applications.

State-of-the-Art Infrastructure:

- NICHE offers modern labs equipped with advanced tools for cybersecurity and forensics training.

Experienced Faculty:

- A team of highly qualified and experienced faculty members specializing in IT and cybersecurity, providing mentorship and guidance.

Industry Collaborations and Partnerships:

- Tie-ups with leading IT and cybersecurity organizations for workshops, internships, and certifications, enhancing career prospects.

Internship and Placement Opportunities:

- Strong placement record with partnerships with reputed companies offering internships and job opportunities in cybersecurity and forensics.

Research and Innovation:

- Opportunities to participate in cutting-edge research projects and innovation challenges in the fields of IT and cybersecurity.

Real-World Exposure:

- Industry visits, live case studies, and Hackathons to provide students with exposure to real-world cybersecurity scenarios and forensics investigations.

Holistic Development:

- NICHE emphasizes soft skills, leadership qualities, and teamwork through extracurricular activities, ensuring students are industry-ready.

Strong Alumni Network:

- A robust alumni network in the IT and cybersecurity sectors provides mentoring, networking, and career guidance to current students.

Supportive Environment:

- NICHE's focus on providing a student-friendly environment, including academic support, career counseling, and access to resources for skill enhancement.

Teaching Methodology

NICHE employs a blend of traditional and innovative teaching methods to ensure holistic learning.

- The curriculum incorporates lectures, interactive discussions, and problem-solving sessions for foundational understanding.
- Case studies and real-world projects are emphasized to connect theoretical concepts with practical applications.
- Hands-on training in state-of-the-art labs enables students to work with advanced cybersecurity and forensic tools.
- Workshops, Hackathons, and live demonstrations by industry experts enhance experiential learning.
- Collaborative learning through group projects and peer discussions fosters teamwork and creativity.
- Additionally, e-learning platforms, simulations, and virtual labs are used to provide students with flexibility and exposure to the latest industry technologies.

Laboratory Facilities

Cyber Security and Forensics Laboratory Facilities at NICHE

- Cyber Security Lab: Equipped with tools and technologies for ethical hacking, network security, and penetration testing.

- Digital Forensics Lab: Specialized workstations and software for forensic analysis.
- Simulation and Virtual Lab: Virtual environments for simulating real-world cyber attacks and threat mitigation.

Key Tools and Software:

Kali Linux: For penetration testing and ethical hacking.

Wireshark: For network analysis and packet inspection.

Metasploit: For vulnerability assessment and exploitation.

Nmap: For network scanning and mapping.

FTK (Forensic Toolkit): For digital forensic investigations.

EnCase: For file recovery and forensic analysis.

Autopsy: For digital evidence analysis.

OpenVAS: For vulnerability scanning.

Hashcat: For password recovery and cracking.

Cuckoo Sandbox: For malware analysis.

MobileCheck: For analyzing and extracting data from mobile devices.

WinLift: For acquiring and analyzing volatile data from live Windows systems.

Tests and Industry-Relevant Applications:

- Penetration Testing: Simulating attacks to identify and fix vulnerabilities in systems and networks.
- Vulnerability Assessment: Scanning systems to detect potential security weaknesses.
- Network Traffic Analysis: Monitoring and analyzing network packets for anomalies and threats.
- Incident Response: Simulating cyberattacks to develop response strategies and recovery plans.
- Malware Analysis: Analyzing malicious code to understand behavior and develop countermeasures.
- Forensic Investigations: Recovering and analyzing digital evidence for cybercrime investigations.
- Password Cracking and Recovery: Testing password strength and recovering lost credentials.

- Log Analysis: Analyzing logs to detect unauthorized access and security breaches.
- Web Application Security Testing: Identifying and addressing vulnerabilities in web applications.

Alumni Network

Strong alumni network not only enhances the credibility of the program but also serves as a valuable resource for mentoring and networking opportunities for current students.

Our students were placed in top most organizations such as

accenture

HCL

BYTES

cognizant

TATA CONSULTANCY SERVICES

JM-ORIGIN

TECH mahindra

Hexaware TECHNOLOGIES

L&T Infotech

CloudQ

wipro

Infosys

DEPARTMENT OF **AERONAUTICAL ENGINEERING**

The Department of Aeronautical Engineering aims to train discerning youngsters to become well trained Aeronautical Engineers with the required knowledge base, analytical thinking, communication skills, creativity, vision, enthusiasm and above all professional ethics to become leaders. Aeronautical Engineering has been very important discipline of engineering as it plays a vital role in the field of transportation and of the country.

COURSES OFFERED

- B.E. Aeronautical Engineering
- M.E. Aeronautical Engineering
- Ph.D. Aeronautical Engineering

Scope of the Course in the Upcoming Years for Aeronautical Engineering

Emerging Technologies in Aviation

It is anticipated that new opportunities in Aeronautical Engineering will arise from the development of electric Vertical Takeoff and Landing (eVTOL) aircraft for urban air transportation, such as air taxis and drones.

Sustainability and Green Aviation

The development of low-emission engines and lightweight materials like composites and sophisticated alloys will be crucial to the sustainability of air travel.

Unmanned Aerial Vehicles (UAVs) and Drones

Drones and UAVs have found applications in a wide range of sectors, from logistics and agriculture to surveillance and defence. Aeronautical engineers will be crucial in the design, development, and optimization of UAV systems, including improvements in flight time, payload capacity, and autonomy.

Aircraft Manufacturing and Materials Innovation

Aircraft manufacturing and materials innovation are key areas of development in the aviation industry, and they play a crucial role in improving performance, efficiency, and sustainability. The next generation of aircraft will benefit from continued advancements in materials science, manufacturing techniques, and integrated systems, with a particular focus on reducing weight, increasing fuel efficiency, and enabling new capabilities.

Advanced Air Traffic Management

As air traffic grows and new types of aircraft, including drones and urban air mobility vehicles, take to the skies, future courses will address the need for modernized air traffic management systems. This will include real-time data processing, AI, and automation in air traffic control.

Defence and Military Aviation

Future aeronautical engineering programs will need to cover advanced military aircraft design, focusing on stealth technologies, supersonic/hypersonic speeds, and advanced weaponry systems.

Advanced Aerodynamics and Flight Control

The use of CFD in aircraft design will continue to be a key area of focus in Aeronautical Engineering courses, as it allows for more efficient design, testing, and optimization of aerodynamics before physical prototypes are built. Courses will examine sophisticated flight control systems, autopilot technology, and the software algorithms required to guarantee safe, dependable, and autonomous operations in light of the growing trend towards autonomous flight.

Industry-Oriented Opportunities

Aeronautical engineering offers a wide array of industry-oriented opportunities across various sectors, driven by technological advancements, growing demand for air travel, defence innovations, and emerging industries like space exploration and urban air mobility.

Aeronautical Manufacturing and Production:

Aeronautical engineers are involved in the design, testing, and production of both commercial and military aircraft. Companies like Boeing, Airbus, and Lockheed Martin employ engineers for designing airframes, engines, and avionics, as well as ensuring aircraft meet safety and performance standards. The use of 3D printing, robotics, and automated assembly lines has revolutionized aircraft production. Engineers can work on additive manufacturing, designing lightweight aircraft components or improving production efficiency.

Roles: Structural design, materials engineering, system integration, flight testing, Additive manufacturing engineer, automation specialist, composite materials engineer.

Opportunities: Aircraft design engineer, systems integration engineer, testing and validation engineer.

Research and Development (R&D):

R&D departments in aeronautical companies and research institutes are constantly exploring new materials such as composites, alloys, and nonmaterial to improve the strength-to-weight ratio of aircraft and increase fuel efficiency. Aeronautical engineers may work on developing next-generation materials.

Roles: Materials engineer, composite design engineer, material testing engineer.

Opportunities: Research into sustainable materials for aviation, composite structure design, and high-performance materials for propulsion systems.

Defence and Military Applications:

The defence industry continually needs next-generation fighter jets, drones, and Unmanned Combat Aerial Vehicles (UCAVs). Engineers work on designing and testing cutting-edge aircraft for defence needs, including stealth technology, advanced radar systems, and high-performance propulsion systems.

Roles: Military aircraft design engineer, defence systems engineer, etc.

Opportunities: Research and development of next-gen fighter aircraft, UAVs, defensive countermeasures, and advanced flight systems.

Why choose NICHE for this Course?

The faculties at Department of Aeronautical Engineering consists of highly qualified professors and industry experts with decades of experience in Aeronautics, aerospace engineering, and related fields. Many faculty members have worked at leading aeronautical companies like ISRO, DRDO bringing their real-world expertise into the classroom.

NICHE has a strong track record of placing students in internships and co-op positions with top aeronautical companies. These real-world experiences are essential for students to apply their academic knowledge in practical settings, learn about industry standards, and develop key technical skills.

NICHE boasts a large network of successful alumni who are working at leading aeronautical companies, research institutions, and government agencies. Students can tap into this network for mentorship, job placement, and career guidance.

The university's career services department works closely with aeronautical companies, defence contractors and to ensure that students are well-prepared for the job market.

Teaching Methodology

Theory-Based Learning: The foundation of Aeronautical engineering program is built through structured classroom learning, where lectures are delivered by experienced faculty. These lectures cover core principles in subjects like fluid mechanics, thermodynamics, aerodynamics, propulsion, control systems, materials science, and aviation safety.

Hands-On Practical Learning: Practical learning through experiments is a cornerstone of Aeronautical engineering education. Students spend a significant amount of time in specialized engineering labs where they work with real-world systems. Students engage in workshop sessions to build prototypes or work on mechanical systems. These workshops are vital for learning how to use manufacturing equipment like CNC machines, 3D printers, and welding tools, which are essential for building actual components.

Project-Based Learning: In project, where students are given the task of designing, building, and testing a specific aeronautical system or component. This allows them to apply the knowledge they've gained throughout the course to a real-world problem. Examples: Designing a model aircraft, a miniature drone, or aeronautical structures using CAD (Computer-Aided Design) tools and ensuring these designs meet aerodynamic and structural integrity requirements.

Laboratory Facilities

NICHE boasts outstanding infrastructure equipped with advanced engineering laboratories including aircrafts such as Cessna, Pushpak, L5, Lear Jet, Beachcraft and aero engines, where students can

engage in hands-on experiments and real-world applications. From wind tunnels for aerodynamics testing to advanced propulsion system labs and materials testing facilities, students have access to the tools they need to explore and innovate. Apart from these, the university provides access to high-performance computing systems and CFD (Computational Fluid Dynamics) software, enabling students to model and simulate complex Aeronautical designs and test them virtually before implementation. In the aircraft structures lab, students have the opportunity to conduct tests such as the calibration of photo elastic materials, beam and column tests, as well as perform fabric patch repairs on airframes. Additionally, they gain hands-on experience in the composite materials laboratory.

Alumni Network

The Department of Aeronautical Engineering is organizing Alumni Interactions with current students to strengthen ties with the aeronautical industry. These programs frequently include alumni events and reunions that bring together students, faculty, and alumni at various stages of their careers. Such events help build lasting connections and often lead to collaborative efforts on projects or the creation of start-ups. Alumni are often invited to give guest lectures, seminars, or workshops on specialized topics such as advanced propulsion systems, aerodynamics, or emerging aeronautical technologies. These events provide students with an opportunity to learn from industry leaders and keep up with the latest developments. The alumni network creates a sense of community that extends beyond graduation. Alumni often participate in university-sponsored events, share their experiences with current students, and contribute to a culture of learning and knowledge exchange. They may also provide financial support, scholarships, or research funding to support the next generation of aeronautical engineers.

Placement Details

The placement record of an aeronautical engineering program plays a crucial role in attracting prospective students and influencing their decision to apply. In the last academic year, nearly 85 % of the students from aeronautical Engineering have been placed in KUN Aerospace, which is is a private limited company, offering services to Aerospace, Medical, Oil & Gas and Energy. The top recruiting companies are Taneja, KUN Aerospace, Vaayusastra.

DEPARTMENT OF **AEROSPACE ENGINEERING**

COURSES OFFERED

- B.E. Aerospace Engineering

Scope of the Course in the Upcoming Years

- Aerospace engineering combines creativity, innovation, and practical problem-solving to work on technologies that shape the future. Whether you're driven by a fascination with flight and space or motivated by the chance to have a tangible impact on society.
- Aerospace engineering have future challenges and opportunities include developing sustainable aviation technologies, advancing autonomous flight systems, addressing cybersecurity threats, expanding space exploration capabilities, and fostering diversity, equity, and inclusion in the aerospace industry.

Industry-Oriented Opportunities

- Aerospace Engineering in India offers vast opportunities in fields such as aircraft manufacturing, space exploration, research, and defense technologies.
- Aerospace Engineers have opportunities in Defence organizations like DRDO, Military Services like the IAF and Indian Navy, Research institutions like NAL and ISRO, or multinational corporations like Boeing and Airbus, aerospace engineers can work on aviation, defence, space exploration, and related fields.
- Industrial visits are a vital component of Aerospace engineering education as they bridge the gap between theory and practice.

Why choose NICHE for this course?

- NIUSAT was launched as part of PSLV-C38 mission on JUNE 23, 2017, from the Satish Dhawan Space Centre (SDSC) in Sriharikota, India. The launch was conducted by ISRO and placed NIUSAT along with other satellites in polar sun-synchronous orbit.
- NIUSAT by Noorul Islam Centre for Higher Education is a significant project that showcases the potential of educational institutions to contribute to space research and technology. It provides a platform for students to work on satellite technology and gain practical experience in aerospace engineering.

Teaching Methodology

- Blackboard and ICT Tools
- Software based Training for Subjects
- Summer Internship
- Value Added Courses
- Student-Centric Discussion
- Teach with Project-Based Learning
- Questions For Reflection
- Teach using the Engineering Design Process (EDP)
- Use real-world examples

Laboratory Facilities

- A Computational Fluid Dynamics (CFD) Laboratory is crucial in Aerospace Engineering as it plays a pivotal role in the design, testing, and optimization of aerospace systems. CFD enables engineers to simulate and analyses airflow around aircraft, spacecraft, and propulsion systems, providing valuable insights into aerodynamics, performance, and efficiency without the need for extensive physical testing.
- A subsonic research wind tunnel with hot wire anemometer, pressure scanner and precision manometers are available
- A full- fledged aerospace structural mechanics, propulsion, Aircraft systems and instrumentation laboratories are available.
- The CAD lab, Dynamics lab, metrology and metallurgy lab in the sister department are made available to students.

DEPARTMENT OF
AIRCRAFT MAINTENANCE ENGINEERING

"Aviation is proof that given the will, we have the capacity to achieve the impossible"

Aircraft Maintenance Engineering (AME) is designed to equip students with the skills, knowledge, and hands-on experience necessary to excel in the fast-paced and ever-evolving field of aviation.

COURSES OFFERED

- B.E. Aircraft Maintenance Engineering
- AME Courses
  B1 Mechanical Stream
  B2 Avionics Stream

Scope of the Course in the Upcoming Years

The field of Aircraft Maintenance Engineering (AME) is poised for exponential growth as the global aviation industry is set to expand significantly in the coming years.

Key Highlights:

India is projected to become the third largest aviation market globally by 2026, with increasing demand for skilled AME professionals.

Airlines are focusing on fleet expansion, necessitating enhanced maintenance services and skilled workforce availability.

The government of India plans to invest $1.83 billion in airport infrastructure and aviation navigation services by 2026. The goal is to have 200 new airports by 2025-26.

The Indian aviation industry is expected to see Rs. 35,000 crore (US$ 4.99 billion) in investment over the next four years.

Cargo flights for perishable food items are expected to increase to 30% with 133 new flights in the coming years.

In view of the rapid growth in Indian Aviation, NICHE also planned to drive with AME department for grabbing the potential job opportunities by implementing the following:

- **Advanced Aircraft Technologies:** NICHE is specially focused on the curriculum to keeping up-to- date with the latest advancements in aircraft systems, avionics, and materials.
- **Global Standards Compliance:** Preparing students for international aviation regulations and certifications (EASA, DGCA).
- **Airline Partnerships & Collaborations:** Enhanced internships and exposure with global airlines, maintenance organizations, and manufacturers.

Industry-Oriented Opportunities

At NICHE, we connect our students with the fast-paced, ever-evolving world of aviation.

Our course offers a wide array of industry-oriented opportunities:

- **Internships with Leading Airlines:** Gain invaluable hands-on experience through internships with top national and international airlines and MRO (Maintenance, Repair, and Overhaul) organizations.
- **Industry Projects:** Work on real-world aviation challenges in collaboration with industry experts and gain practical insights into troubleshooting, maintenance procedures, and engineering practices.
- **Global Certification Exposure:** Students have access to globally recognized certifications that ensure employability across various aviation sectors.

Why choose NICHE for this Course?

- Expert Faculty: Our faculty comprises highly skilled and experienced professionals from the aviation and engineering sectors.
- State-of-the-art Facilities: With world-class laboratories, and training aircraft, NICHE offers an unparalleled learning experience.
- Strong Industry Ties: NICHE has established strong partnerships with aviation giants, ensuring that our students are always industry-ready.
- Accreditation and Certifications: The AME program is recognized by the Directorate General of Civil Aviation (DGCA), and our courses comply with international standards.
- Global Networking: Students have the opportunity to interact with industry leaders through seminars, workshops, and guest lectures.

Teaching Methodology

Our teaching methodology ensures that students not only understand theoretical concepts but also develop practical skills that are critical in the aviation industry. We focus on:

- Classroom Learning: In-depth theoretical knowledge of aircraft systems, maintenance practices, and aviation regulations.
- Practical Training: Extensive hands-on training with real-time aircraft to master maintenance techniques.
- Industry Interaction: Regular workshops, seminars, and guest lectures by aviation industry experts.
- Case Studies & Problem Solving: Interactive learning through the analysis of real-world industry problems and solutions.
- Project Work & Research: Students are encouraged to engage in research and development of new technologies in aircraft maintenance.

Laboratory Facilities

Our campus is equipped with cutting-edge laboratories that mirror the facilities of professional aviation organizations. These include:

- Aircraft Maintenance Hangars: NICHE Equipped with real aircraft and parts for students to perform maintenance tasks.
- Avionics Laboratory: Specialized equipment to understand and test aircraft electronics and avionics systems.
- Engine Repair Lab: A fully equipped space to teach engine repair.
- Hydraulics & Pneumatics Lab: Students learn about and work with aircraft hydraulic and pneumatic systems.

Alumni Network

NICHE takes pride in its vibrant and growing alumni network, which spans across the globe. Our alumni are leaders in aviation, holding key positions in top airlines, MROs, aviation consultancies, and regulatory bodies.

By joining NICHE, students gain:

- Mentorship and Guidance: Ongoing support from experienced alumni who offer career advice and industry insights.
- Networking Opportunities: Access to a vast network of professionals in the aviation industry, helping to open doors for career advancement.
- Alumni Events: Regular meetups, webinars, and workshops organized for alumni and current students to stay connected.

Placement

Our placement cell works relentlessly to ensure our students secure promising careers in the aviation industry. The placement process includes:

- Pre-placement Training: Workshops on resume building, interview preparation, and soft skills enhancement.
- Placement Drives: Regular placement drives with leading aviation companies, airlines, and MROs.
- High Placement Record: Our graduates are consistentl placed with top airlines, aircraft manufacturers, and maintenance companies worldwide.
- Industry Connections: Through strong relationships with aviation employers, we ensure that our students are directly connected with potential employers.
- Global Employment: NICHE students have gone on to work in leading aviation hubs, both in India and internationally.

Join NICHE and Elevate Your Aviation Career

NICHE's Aircraft Maintenance Engineering Department offers an unmatched educational experience that blends world-class instruction, hands-on training, and valuable industry exposure. We invite you to be part of our legacy and take your career to new heights.

PLACEMENT OPPORTUNITIES

DEPARTMENT OF **MARINE ENGINEERING**

COURSES OFFERED

- B.E. Marine Engineering

Program Accreditation and Facilities

The Marine Engineering program is rigorously accredited by AICTE and the Directorate General of Shipping, Government of India. This comprehensive, fully residential course offers premium boarding and lodging arrangements. NICHE facilitates all essential formalities for students, including INDOS registration, STCW certifications, CDC requirements, and MEO Class IV Part 'A' exemption certificates.

State-of-the-Art Ship-in-Campus

In a significant investment, NICHE has established a "Ship-in-Campus" facility, recreating the authentic experience of an operational vessel. Students gain hands-on experience with key marine equipment, such as the Main Engine, Generators, Boiler, Fresh Water Generator, Air Compressor, and Steering Systems. This immersive training environment provides invaluable practical exposure to maritime machinery, equipping student with real-world skills.

Eligibility Requirements

Prospective students must qualify through the Common Entrance Test (CET) by the Indian Maritime University (IMU) [details available at www.imu.edu]. Candidates need a minimum of 60% aggregate in Physics, Chemistry, and Mathematics in their higher secondary exams. Lateral entry is available for Diploma holders in Mechanical, Marine, Electrical, or Shipbuilding with a minimum of 55% in semesters V and VI. Candidates should be under 24, with strong communication skills and at least 50% in English at HSC or SSLC level. Physical fitness, including good eyesight, is mandatory, certified by DGS-approved medical professionals. The Maritime Training Trust offers a yearly scholarship of Rupees one lakh to eligible Indian women seafarers.

Scope of the Marine Engineering Course in the Upcoming Years

The demand for Marine Engineers is set to increase as global trade grows and the industry adopts energy-efficient, sustainable technologies. Roles such as Chief Engineer, 2nd Engineer, and Marine Superintendent are expected to rise, offering high salaries. Emerging fields like offshore energy and autonomous vessels also present lucrative opportunities. With new technologies and environmental regulations, the Marine Engineering field offers significant growth and rewarding career prospects. Employment opportunities for women in the Maritime Sector have increased tremendously.

Industry-Oriented Opportunities

Graduates of NICHE's Marine Engineering program are prepared for diverse careers in the maritime industry. Opportunities include roles aboard commercial ships, oil tankers, cruise liners, offshore supply vessels, and naval ships. As the industry evolves, graduates can also explore careers in autonomous ships and maritime digitalization, all benefiting from NICHE's hands-on training.

Why choose NICHE for this course?

NICHE takes pride in its cutting-edge infrastructure designed to nurture technical excellence.

Facilities include:

- A fully functional on-campus training ship providing authentic maritime exposure.
- An advanced marine workshop equipped with auxiliary machinery for hands-on learning.
- Simulator labs that replicate real-world vessel operations for skill development.
- Mechanical laboratories for Thermodynamics, Fluid Mechanics, and Materials Testing, ensuring a holistic understanding of industry-relevant principles.

Teaching Methodology

At NICHE, Marine Engineering students learn through a mix of lectures, case studies, simulations, and practical workshops. This approach ensures a solid theoretical foundation while fostering critical thinking, problem-solving, and teamwork, preparing students for real-world challenges in the marine industry.

Laboratory Facilities

NICHE offers advanced facilities, including a ship on campus for hands-on experience, a fully equipped marine workshop with auxiliary machinery, and a simulator lab for training in vessel operations. Additionally, Mechanical Labs for Thermodynamics, Fluid Mechanics, and Materials Testing ensure students gain practical, industry-relevant skills.

Alumni Network

NICHE's strong alumni network spans top maritime organizations, with graduates in key roles like Chief Marine Engineer, Naval Architect, and Operations Manager. Alumni offer mentorship, career guidance, and job opportunities, helping students connect with industry leaders and access a global job market.

Career Associations and Alumni Networks

Our Marine Engineering alumni are recruited by prestigious organizations including:

Ekdanta Shipping Services, Mumbai
Synergy Maritime Recruitment Services Pvt. Ltd., Chennai
ABS Marine Services, Mumbai
VR Maritime Services, Mumbai
Brukaan Ship and Offshore, Mumbai
Great Eastern Shipping, Mumbai
Ocean Sparle Limited, Egmore, Chennai
M. F. V. Olivia Jean, Ireland
Selandia Crew Management, Mumbai
Omega Ship Management, Mumbai
Univan Ship Management, Mumbai
Chellaram Shipping Ltd., Mumbai
Dockendale Ship Management, Mumbai
Unimar Marine Service, Mumbai
Sanson Maritime Ltd., Mumbai
Posh Semcopte Ltd., Singapore
Tagg Off Shore, Mumbai
Emirate Shipping, Mumbai
Yak Maritime, Mumbai
Bibby Ship Management, Mumbai

DEPARTMENT OF
FIRE TECHNOLOGY AND SAFETY ENGINEERING

The Department of Fire Technology and Safety Engineering was started in the academic year 2011-2012. This program offers and provide an excellent learning platform to the student community to create a safety environment against exposure of various Hazards in Industrial sector.

Scope of the Course in the Upcoming Years

- With increased focus on safety in all walks of our life this course will provide excellent job opportunities in the days to come.
- Growing awareness of occupational hazards and potential accidents has led to a heightened focus on safety measures.
- Global Expansion of Business require safety professionals to navigate diverse regulatory landscapes.

Industry-Oriented Opportunities

- Tailored Internship Plans: Develop personalized internship plans aligned with students' academic backgrounds and career goals.
- Expose interns to a wide range of safety domains, such as occupational safety, fire safety, environmental safety, and industrial hygiene in Reputed Organizations.
- Basic Fire Fighting Certified training opportunity for all the students in Central Government Organization.

Why choose NICHE for this course?

- The University has strong ties with industry partners, providing students with opportunities for internships, industry visits, and guest lectures from industry experts.
- Comprehensive Curriculum: The curriculum is designed to provide a strong theoretical foundation and practical skills, covering a wide range of topics such as fire science, fire protection systems, Safety in process industries, Health and Safety Management System, Risk Analysis Tools etc.
- Hands-on Experience: NICHE emphasizes practical training through laboratories, workshops, and field visits, giving students hands-on experience with fire safety equipment and techniques.

Teaching Methodology

- Well-structured lectures by experienced faculty members to impart theoretical knowledge.
- Practical training in firefighting techniques with the support of Industry Fire Safety Professionals.
- Hands on Training in rescue techniques, such as rope rescue and confined space rescue.
- Demonstration and Hands on Training - Activity Based Teaching Hands-on experiments in well-equipped laboratories to reinforce theoretical learning.
- Documentation Training is a crucial component of our program. It provides a wide exposure about Risk assessment, Accident Investigation, Work permit system.

Laboratory Facilities

Key Instruments in Fire Safety and Rescue Trainings

- Yard Hydrant and water base monitor system
- Fire Safety Awareness Display Board
- Fire Hydrant System
- Sprinkler, Heat and smoke detector Setup
- Fire Tube Suppression System
- Proximity Fire suit.
- Rescue Boat

Key Instruments in Industrial Safety Training

- Plate and Frame Filter Press
- Bare and Fin Heat Exchanger
- Different types of knots Model
- Lux Meter
- All types of Personal Protective Equipment's
- Local Air Quality Sampler
- High Volume Sampler
- Lock out Tag Out Display Board
- Mobile Scaffolding setup

Alumni Network

Our alumni often hold influential positions in various industries in Safety sector such as Larsen & Turbo Limited Construction, AL-SAJ AL ABIYAD TRDG & CONT.CO, Penta Global Engineering Construction Company, Bharath Petroleum Corporation of India Ltd, etc. These connections can lead to valuable internship, job opportunities and Training for current students.

Placement Details

- 80% of the students got recruited in Core Field (Safety Domain).
- The present final year students placed in ADANI Group with the package of 6.5 Lakhs per annum.

DEPARTMENT OF **AUTOMOBILE ENGINEERING**

Automobile engineers can specialize in aerodynamics, alternative fuels, chassis, electronics, emissions, ergonomics, manufacturing, materials, motorsport, power train, rapid prototyping, vehicle and pedestrian safety etc.

COURSES OFFERED

- B.E. Automobile Engineering
- M.E. Automobile Engineering
- Ph.D. Automobile Engineering

Scope of the Automobile Engineering in the Upcoming Years

The scope of automobile engineering in the upcoming years is vast and transformative, influenced by multiple technological, environmental, and societal trends. Here are the key factors driving this scope:

Electric Vehicles (EVs) Revolution

- The shift towards electric vehicles is expected to dominate the automobile industry in the coming years. As governments push for sustainability and stricter emission norms, the demand for Electric Vehicles (EVs) is growing.
- Automobile engineers will be in demand to design, develop, and improve EVs' batteries, electric drivetrains, and charging infrastructure.
- Battery technologies like solid-state batteries are also emerging, and engineers will play a crucial role in their development and integration into mass-market vehicles.

Autonomous Vehicles

- The development of self-driving cars is another major trend. Autonomous vehicles rely on complex systems like AI, machine learning, radar, LIDAR, and advanced sensors for safe navigation.
- Engineers will need to innovate in vehicle control systems, safety protocols, and software development. This will open up opportunities for automobile engineers skilled in software and robotics, in addition to traditional mechanical expertise.

Connectivity and Smart Features

- Cars are becoming increasingly connected, offering features like in-car Wi-Fi, advanced infotainment systems, and Vehicle-to-Everything (V2X) communication for safer and more efficient driving.
- The rise of smart cars with features such as autonomous driving assistance, cloud-based services, and wireless updates will lead to demand for engineers specializing in IoT (Internet of Things) and cybersecurity in automotive systems.

Sustainability and Green Technologies

- In line with global environmental goals, the automobile industry will be focusing more on sustainable production, recycling, and the use of eco-friendly materials.
- Engineers will work on alternative fuel technologies (such as hydrogen fuel cells), lightweight materials to improve fuel efficiency, and designs for recyclable vehicle components.

Advanced Manufacturing and Materials

- The integration of additive manufacturing (3D printing), robotics, and automation in vehicle production will continue to grow, making the manufacturing process faster and more cost-effective.

• The development and application of composite materials and lightweight alloys in automotive design will also play a role in improving fuel efficiency and overall performance.

AI and Data Analytics in Automobile Engineering

- Artificial intelligence (AI) will be key in optimizing vehicle performance, predicting maintenance needs, and improving overall safety.
- Big data and machine learning will be used to analyze vehicle performance, customer behavior, and production processes, leading to more personalized driving experiences and more efficient manufacturing.

Global Mobility Solutions

• The concept of mobility is expanding beyond traditional ownership of vehicles, with a growing emphasis on shared mobility platforms (e.g., car-sharing and ride-hailing services).

• Engineers will play a role in designing vehicles tailored to shared mobility models, as well as ensuring their integration with smart city infrastructure.

Job Opportunities and New Skill Sets

• With these technological advancements, the job market for automobile engineers will expand. Opportunities will be available in Research and Development (R&D), system integration, software and hardware development, testing, and production.

• Engineers will require skills not just in mechanical and electrical systems but also in software engineering, AI, robotics, and data analytics.

Global Demand for Skilled Engineers

• Developing regions, such as Asia-Pacific and Africa, are seeing a rise in car ownership and manufacturing, contributing to global demand for skilled automobile engineers.

• As these regions develop their automotive industries, engineers will be needed for local manufacturing, design, and technological adaptation.

Industry-Oriented Opportunities

Automotive engineers have a broad spectrum of industry-oriented opportunities in the evolving landscape of the automobile sector. With advancements in technology, sustainability, and shifting consumer demands, the automotive industry is rapidly diversifying, offering engineers numerous avenues to apply their expertise. Below are some of the key industry-oriented opportunities for automotive engineers

Electric Vehicle (EV) Development

• Opportunity: The electric vehicle market is expanding globally due to the transition from traditional Internal Combustion Engines (ICE) to electric powertrains. Automotive engineers can play a pivotal role in designing and optimizing Electric Vehicles (EVs), including their powertrains, batteries, and charging infrastructure.

- **Roles:**

o EV powertrain design (motors, inverters, controllers)

o Battery technology and management systems

o EV charging infrastructure development

o Thermal management systems for EVs

Autonomous and Driver-Assistance Systems

• Opportunity: With the rise of autonomous driving and Advanced Driver Assistance Systems (ADAS), engineers can contribute to the development of self-driving vehicles, radar/lidar systems, and AI-driven vehicle control systems.

• Roles:

o Software development for autonomous systems

o Sensor integration (LIDAR, cameras, radar)

o AI and machine learning for real-time data processing

o System testing and validation of autonomous vehicles

Connected and Smart Vehicles

• Opportunity: The automotive industry is embracing connectivity through Vehicle-to-Everything (V2X) communication, enabling features like remote diagnostics, infotainment, and autonomous navigation. Engineers with expertise in IoT, cybersecurity, and 5G technology will be in high demand.

• Roles:

o IoT and cloud-based systems for connected vehicles

o Designing and maintaining in-car entertainment and communication systems

o Cybersecurity for vehicle networks and data protection

o Integration of AI for intelligent decision-making in vehicles

Battery and Fuel Cell Technology

• Opportunity: As electric and hybrid vehicles grow, so does the need for high-performance batteries and alternative energy sources like hydrogen fuel cells. Engineers will be involved in research, development, and optimization of these energy solutions.

• Roles:

o Battery design and performance optimization

o Charging infrastructure development

o Fuel cell technology for hydrogen-powered vehicles

o Research in solid-state batteries and energy storage systems

Sustainable Manufacturing and Green Technologies

• Opportunity: With increasing pressure for environmental sustainability, there is a growing demand for engineers who can design green vehicles and implement sustainable manufacturing processes. This includes reducing carbon emissions, using eco-friendly materials, and optimizing energy consumption.

• Roles:

o Designing energy-efficient vehicle systems

o Research and implementation of eco-friendly materials (e.g., biodegradable components, recycled plastics)

o Low-emission vehicle design (hybrids, plug-in hybrids, full EVs)

o Green manufacturing processes and waste reduction

Vehicle Lightweighting and Advanced Materials

• Opportunity: Reducing vehicle weight improves fuel efficiency and EV range. Automotive engineers working with advanced materials like carbon fiber, aluminum, and composites are essential for designing lightweight vehicles without compromising safety or performance.

• Roles:

o Research and development of lightweight materials

o Designing composite structures and crash-resistant bodies

o Development of high-strength, low-weight components

o Integration of new materials into vehicle production lines

Advanced Manufacturing and Industry 4.0

• Opportunity: The automotive industry is embracing Industry 4.0, which integrates automation, robotics, 3D printing, and AI-driven manufacturing. Engineers will play a key role in implementing these technologies to optimize production processes and ensure high-quality standards.

• Roles:

o Automation and robotics engineering

o 3D printing and additive manufacturing in vehicle parts production

o AI and data analytics for smart manufacturing

o Process optimization and quality control

Automotive Design and Prototyping

• Opportunity: Automotive design is evolving with the use of CAD software, virtual prototyping, and augmented reality (AR) to design vehicle interiors, exteriors, and systems. Engineers with a flair for creative design and technology can explore these cutting-edge areas.

• Roles:

o Vehicle design using CAD tools (e.g., CATIA, SolidWorks)

o Prototyping using 3D printing and rapid manufacturing

o Ergonomics and Human-Machine Interface (HMI) design

o Sustainability-focused vehicle architecture

9. Mobility Solutions and Shared Transportation

• Opportunity: With the shift towards Mobility-as-a-Service (MaaS) and the rise of shared transportation (ride-hailing, car-sharing), automotive engineers will be needed to design vehicles that are optimized for shared use, such as autonomous shuttles or fleet management solutions.

• Roles:

o Designing and developing shared mobility vehicles (lightweight, modular designs)

o Fleet management systems and software integration

o Research on user experience in shared transport

o Development of multi-modal transport solutions

Aftermarket Automotive Products and Services

• Opportunity: The demand for aftermarket products such as custom parts, tuning systems, and performance-enhancing accessories is significant. Engineers with knowledge of automotive performance and consumer trends can cater to this growing market.

• Roles:

o Designing performance parts and accessories

o Integration of aftermarket tech (e.g., navigation, infotainment systems)

o Customization for electric and hybrid vehicles

o Diagnostics and repair technologies

Safety and Regulatory Compliance

• Opportunity: As the automotive industry faces increasingly stringent safety regulations, engineers will work on improving safety systems such as crash avoidance, passive safety features, and regulatory compliance for vehicle designs.

• Roles:

o Safety systems design (airbags, crash sensors, autonomous safety systems)

o Regulatory testing and compliance management

o Simulation and testing of vehicle safety features

o Collaboration with regulatory bodies and certification agencies

Consulting and Research & Development (R&D)

• Opportunity: Engineers with specialized knowledge can work as consultants or in R&D to guide companies through technical challenges, provide solutions for new vehicle designs, or improve existing technologies.

• Roles:

o Technical consultancy in EV, ADAS, or materials engineering

o R&D in emerging automotive technologies

o Providing solutions for regulatory compliance and sustainability

o Managing innovation and product development strategies

Why choose NICHE for this course?

Choosing NICHE for automobile engineering can be an excellent decision, especially if you're looking for a program or institution that aligns with the latest trends in the automotive industry. Here are several compelling reasons why NICHE can be a great choice for pursuing automobile engineering:

Focus on Clean and Sustainable Technologies

- Emerging Focus on Sustainability: As the world shifts toward more sustainable and environmentally friendly technologies, NICHE places a strong emphasis on clean energy and green engineering. This is increasingly relevant for automobile engineers as the automotive industry moves towards Electric Vehicles (EVs), hybrid vehicles, and alternative fuels.
- Curriculum for Future Technologies: NICHE's curriculum may focus on electric mobility, sustainable manufacturing, alternative fuels, and carbon footprint reduction, all of which are highly relevant to the future of automobile engineering.

State-of-the-Art Infrastructure and Research Facilities

- Cutting-Edge Laboratories: NICHE likely provides state-of-the-art laboratories and simulation tools that can help students gain hands-on experience with the latest technologies in automobile engineering. This may include access to automotive diagnostics labs, vehicle dynamics labs, and battery testing facilities, which are essential for learning about modern vehicle systems.
- Research Opportunities: With the rising focus on clean energy and sustainable vehicle technologies, students at NICHE may get opportunities to engage in research in areas like battery management systems, EV powertrains, and autonomous vehicles.

Industry Collaboration and Exposure

- Industry Tie-ups: NICHE may have strong collaborations with leading automotive companies and research organizations. These partnerships can provide students with internships, training programs, and real-world exposure to the challenges and innovations in the automobile sector.
- Guest Lectures and Workshops: The opportunity to attend workshops and seminars from industry professionals can give students insights into the latest trends, technologies, and innovations in automobile engineering.

Curriculum Aligned with Industry Needs

- Focus on Future Trends: The curriculum at NICHE may be designed to prepare students for the most pressing challenges in the automotive industry, such as electric vehicle development, autonomous driving, smart transportation systems, and vehicle connectivity.
- Multidisciplinary Approach: Automobile engineering at NICHE could integrate mechanical engineering, electrical engineering, software development, and environmental science, offering students a comprehensive understanding of the field. This holistic approach is critical as the automobile industry becomes more technology-driven.

Hands-On Learning and Project Work

- Practical Exposure: NICHE may emphasize project-based learning, where students work on live

projects and prototypes. This hands-on experience can help them develop problem-solving skills and a deeper understanding of how theoretical concepts are applied in real-world scenarios.

- Design and Innovation: Students might get opportunities to design and prototype new vehicle systems, such as electric drivetrains, energy-efficient engines, or autonomous navigation systems, contributing to innovations in the industry.

Preparation for Global Career Opportunities

- International Recognition: NICHE might be recognized globally for its emphasis on clean and green engineering, making its graduates highly sought after in the automobile industry worldwide.
- Opportunities in Growing Markets: As the demand for clean and green vehicle technologies rises, NICHE students could find career opportunities not just locally, but in emerging markets where there's an increasing need for sustainable mobility solutions.

Experienced Faculty and Mentorship

- Expert Faculty: NICHE is likely to have experienced faculty with expertise in both traditional automobile engineering and the latest sustainable vehicle technologies, providing students with a well-rounded education.
- Mentorship: The mentorship provided by faculty and industry professionals at NICHE can help students stay updated with current trends and gain valuable guidance in pursuing research or industry careers.

Global Focus on Clean and Green Mobility

- Rising Demand for Green Engineers: The growing demand for clean and green technologies in the automobile sector (especially due to global sustainability goals and regulatory changes) means that engineers who specialize in eco-friendly automotive solutions will be in high demand.
- Focus on EV and Hybrid Vehicle Systems: NICHE's emphasis on clean engineering practices makes it an ideal place to study the latest developments in electric vehicle technology, including battery systems, electric motors, and charging infrastructure.

Holistic Development for Future Engineers

- Soft Skills and Professional Growth: NICHE likely focuses not just on technical skills but also on soft skills, including communication, teamwork, and leadership. These are vital for engineers to succeed in the modern, collaborative, and dynamic automotive industry.
- Innovation Culture: Being at an institution focused on clean and green engineering can encourage students to think innovatively about the future of the automotive sector and contribute to cutting-edge projects that address global challenges like climate change and sustainable urban mobility.

Strong Alumni Network

- Networking and Career Support: NICHE may have a strong alumni network with professionals working in various segments of the automotive industry. This network can provide students with valuable connections, job placements, and mentorship as they start their careers.

Conversion of Conventional Zen Car to Electric Vehicle through Management Seed Money Project

TEACHING METHODOLOGY

TEACHING STRATEGIES

- Models
- PPT
- Integration of ICT
- Charts

E- LEARNING RESOURCES

- NPTEL online Courses
- National Digital Library

EXPERT LECTURES

- Industry Experts
- Academic Experts

SOFTWARE COURSES

- Autu CAD
- Pro-E
- IDEAS
- ANSYS

INDUSTRIAL AND FIELD VISIT/ IN PLANT TRAINING

- Industrial visits
- Field Visits
- In - plant Trainings
- Internships

INDUSTRY/ RESEARCH BASED PROJECTS

- Projects in Research Labs
- External Projects
- Interrnal Projects

WORKSHOPS / SEMINARS/ GUEST LECTURES

- National/ International Academic Experts
- Industry Experts
- Alumni

Overview of the teaching methods employed at NICHE, including any innovative approaches, case studies, or hands-on learning experiences.

Laboratory Facilities

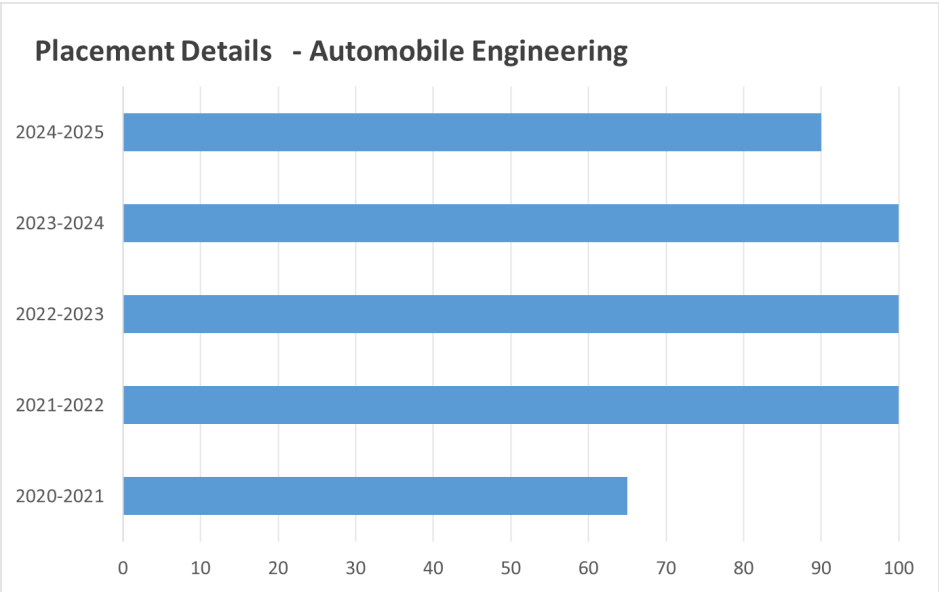
1. Gas Analyzer
2. Smokemeter
3. Engine Analyser
4. Fuel Injection Calibration

Tests conducted in the laboratories that are relevant to industry applications.

- Emission test for Petrol Vehicle
- Emission Test for Diesel Vehicle
- Scan and Diagnose Engines
- Checking the quantity and quality of fuel injected

Alumni Network

Department of Automobile Engineering has a strong alumni network with professionals working in various segments of the automotive industry. This network can provide students with valuable connections, job placements, and mentorship as they start their careers.



DEPARTMENT OF
MECHANICAL ENGINEERING

COURSES OFFERED

- B.E. Mechanical Engineering
- M.E. Computer Integrated Manufacturing
- M.E. Thermal Engineering
- Ph.D. Mechanical Engineering

Scope of the Course in the Upcoming Years

Mechanical Engineering is a dynamic and ever-evolving field that continuously adapts to technological advancements and industry demands, making it one of the most sought-after branches of engineering. The global mechanical engineering industry is poised for significant growth, driven by trends such as automation, sustainability, and digital transformation. Emerging technologies like robotics, artificial intelligence, and machine learning are reshaping industries, creating a high demand for engineers with expertise in smart systems and automation.

The field is also at the forefront of addressing global challenges, with engineers contributing to the development of renewable energy systems, eco-friendly technologies, and sustainable manufacturing processes. The shift toward Electric and Autonomous Vehicles (EVs and AVs) is revolutionizing the automotive industry, offering abundant opportunities for mechanical engineers to design advanced battery systems, optimize vehicle performance, and pioneer innovations in transportation. Similarly, the aerospace and defence sectors are growing rapidly, requiring expertise in propulsion systems, aerodynamics, and materials engineering for advancements in space exploration and defence technologies.

Healthcare is another sector where mechanical engineers are making a significant impact, designing medical devices, prosthetics, and robotic surgical systems to address global healthcare challenges. These advancements highlight the versatility of the field and its critical role in shaping the future.

According to industry projections, the mechanical engineering field is expected to grow by 4% annually until 2030, generating over 50,000 job vacancies globally each year. Regions such as North America, Europe, and Asia-Pacific are experiencing robust job growth, driven by booming industries like automotive, aerospace, and renewable energy. Mechanical engineers are increasingly sought after in manufacturing and production, energy, research and development, construction, and infrastructure, with opportunities to work for global leaders such as Tesla, Boeing, Siemens, General Electric, Bosch, and Caterpillar, as well as innovative startups.

The scope of mechanical engineering extends beyond traditional industries, encompassing roles in advanced manufacturing, sustainable energy, and cutting-edge research. With its unmatched versatility and global relevance, the field ensures graduates have access to diverse career paths, high job security, and opportunities to work on impactful projects that shape the future of technology and society. Whether it's designing the next generation of electric vehicles, innovating renewable energy systems, or developing life-saving medical devices, mechanical engineers will continue to play a pivotal role in driving progress and addressing real-world challenges.

Industry-Oriented Opportunities

Our Mechanical Engineering department offers a wealth of opportunities for students to engage with industry professionals, providing them with real-world exposure that complements their academic studies. These opportunities are designed to bridge the gap between classroom learning and industry practice, equipping students with the skills and experience needed to succeed in a competitive job market.

One of the key opportunities available to students is internships, where they gain hands-on experience working with leading companies in fields such as automotive, aerospace, manufacturing,

and renewable energy. Through collaborations with top organizations like ISRO, TVS, Ashok Leyland, BHEL, and Mahindra, students are given the chance to apply their theoretical knowledge to practical challenges, solving real-world problems while gaining valuable industry insights. These internships often lead to full-time employment opportunities and provide students with a significant advantage in securing jobs after graduation.

The department also fosters collaborations with industry leaders, enabling students to work on cutting-edge projects and research initiatives. These collaborations often involve industry-sponsored projects where students are tasked with developing innovative solutions to current challenges faced by companies. This not only enhances their technical skills but also provides exposure to industry standards, practices, and expectations.

Additionally, our students have access to guest lectures and expert talks by industry professionals, scientists, and alumni who share their knowledge and experiences. These sessions provide students with the latest industry trends, new technologies, and career advice, creating a direct connection between academia and industry.

We also encourage participation in industrial visits and in-plant training programs, offering students the opportunity to witness the application of their studies in real-world settings. Through these visits, students observe the practical implementation of theoretical concepts in factories, manufacturing plants, and engineering facilities, gaining a deeper understanding of the engineering processes and operations.

In summary, our Mechanical Engineering program is committed to providing students with ample opportunities to engage with industry professionals, participate in internships, collaborate on industry projects, and apply their knowledge to real-world challenges. These experiences play a crucial role in shaping their careers and ensuring they are industry-ready upon graduation.

Why choose NICHE for this course?

NICHE offers a comprehensive and future-ready Mechanical Engineering program that prepares students for successful careers in one of the most dynamic and versatile fields of engineering. Our department stands out for its commitment to academic excellence, hands-on learning, and industry engagement, ensuring that students are equipped with the skills and knowledge necessary to thrive in a rapidly evolving global job market. The Mechanical Engineering syllabus is designed to provide students with a thorough grounding in both theoretical principles and practical applications. With a focus on problem-solving, hands-on experience, and industry relevance, the curriculum prepares students for a wide range of careers in industries such as manufacturing, energy, robotics, automotive, and aerospace.

The department provides a robust academic foundation supported by state-of-the-art facilities, including well-equipped laboratories such as CAD, CAM, Strength of Materials, Thermal, Mechatronics, and more. These labs allow students to apply their theoretical knowledge in real-world scenarios, developing a deep understanding of core engineering principles. Our experienced faculty members, many of whom have over a decade of teaching experience and hold PhDs, deliver high-quality instruction and mentorship, ensuring personalized attention and academic support for every student.

A key feature of our Mechanical Engineering program is the strong industry connections we have

cultivated over the years. We provide students with numerous opportunities to engage with industry professionals through internships, guest lectures, and expert talks. Our collaborations with leading companies like TVS, Ashok Leyland, Motherson, Tech Mahindra, and many more open doors for students to gain invaluable hands-on experience and develop practical skills. These internships and real-world projects offer students the chance to apply classroom learning to solve actual industry challenges, making them job-ready by the time they graduate.

Our department also places a strong emphasis on research, innovation, and collaboration. Students actively participate in industry-sponsored projects and research initiatives, allowing them to contribute to cutting-edge developments in fields such as automation, renewable energy, and electric vehicles. Additionally, we encourage students to engage in patent filing and innovation, ensuring that they are not just consumers of technology but also creators of new, impactful solutions. Nowadays, many innovations and start-ups are developing in the mechanical field. At this juncture, NICHE framed and executed the well-articulated Innovation and Start-up Policy (ISP) for the development of innovation and entrepreneurship to better career options.

We believe in preparing students for a global career, and our Mechanical Engineering program offers access to international certifications, expert lectures, and training in advanced software tools such as AutoCAD, CATIA, and Creo, which are highly valued in the industry. Our students also benefit from the Alumni network, which connects them to successful professionals across various industries and offers career guidance and placement support.

With 100% placement success, a dedicated focus on industry-relevant skills, and exposure to real-world applications, Noorul Islam Center for Higher Education provides an ideal environment for aspiring mechanical engineers to grow and excel. NICHE might have a strong international presence in the Mechanical Engineering sector. The institution may offer opportunities for exchange programs or collaborations with universities abroad, giving students exposure to global engineering standards and practices. Choosing us for your Mechanical Engineering education means choosing a path to a successful, rewarding career with endless opportunities in cutting-edge industries worldwide.

Teaching Methodology

The Mechanical Engineering Department at Noorul Islam Centre for Higher Education adopts innovative teaching methodologies and strategies to ensure holistic learning and skill development. Our approach includes the use of E-learning resources such as models, PowerPoint presentations (PPTs), ICT tools, and smart boards to enhance interactive learning. Expert lectures are conducted by industry professionals, scientists, and alumni, along with workshops and seminars led by national and international experts to provide in-depth knowledge on specialized topics.

We offer skill development programs that include NPTEL online courses and international certifications in AutoCAD, Creo, CATIA, and foreign languages, equipping students with industry-relevant competencies. To bridge the gap between theoretical knowledge and practical application, the department organizes industrial and field visits, including short industrial trips and two-week In-Plant Training (IPT) programs. Students also gain hands-on experience through industry and research-based projects carried out in collaboration with research labs and external organizations.

The department fosters a culture of innovation by encouraging students to file patents and develop creative products derived from research outcomes. Many of these projects focus on addressing

social needs and emerging challenges in the industry. This integrated approach ensures that our graduates are well-prepared for the dynamic demands of the engineering profession.

Laboratory Facilities

The Mechanical Engineering Department is equipped with state-of-the-art laboratory facilities to provide students with hands-on experience in conducting experiments, understanding industry practices, and gaining insights into advanced technologies. Below are the laboratories and their key instruments, along with the types of tests conducted:

CAD Laboratory

Key Instruments: High-performance workstations (Intel Core i9, 14th Generation), AutoCAD, Ansys, CATIA, Creo software, 3D modeling tools.

Applications: Design and drafting, 3D modeling, rendering, and simulation relevant to product design and development.

CAM Laboratory

Key Instruments: CNC production Lathe, CNC Milling Machine, CNC Lathe, Tool Path Simulators, MasterCAM software.

Applications: CNC programming, toolpath generation, and advanced manufacturing processes for precision machining.

Heat Transfer & Fuel Testing Laboratory

Key Instruments: Heat exchangers, Thermal conductivity apparatus, Emissivity apparatus, Bomb calorimeter.

Applications: Testing thermal efficiency, fuel properties, and heat transfer rates for industrial equipment.

Strength of Material Laboratory

Key Instruments: Universal Testing Machine (UTM), Impact Testing Machine, Torsion Testing Machine, Hardness Testing Machines.

Applications: Tensile strength, impact resistance, hardness, and torsional properties of materials used in structures and components.

Metrology Laboratory

Key Instruments: Profile Projector, Tool Maker's Microscope, Vernier Calipers, Micrometers, Coordinate Measuring Machine (CMM).

Applications: Dimensional accuracy, surface roughness, and geometric tolerances for quality assurance in manufacturing.

Lathe Shop

Key Instruments: Center Lathes, Turret Lathes, Gear Cutting Attachments.

Applications: Machining operations such as turning, facing, threading, and gear cutting used in mechanical component production.

Dynamics Laboratory

Key Instruments: Vibration Analyzer, Gyroscope Apparatus, Cam Profile Tester, Governor Apparatus.

Applications: Study of dynamic systems, balancing, vibrations, and kinematic analysis of mechanical assemblies.

Mechatronics Laboratory

Key Instruments: Programmable Logic Controllers (PLC), Pneumatic Trainers, Hydraulic Trainers, Microcontroller Kits.

Applications: Automation systems design, mechatronic system integration, and robotics.

Welding Shop

Key Instruments: Arc Welding Machines, MIG Welding Setups, etc

Applications: Testing welding techniques, joint strength, and weld defect analysis used in fabrication.

Foundry Laboratory

Key Instruments: Sand Molding Equipment, cuplo Melting Furnaces, Casting Tools.

Applications: Metal casting processes, mold preparation, and quality control of castings.

Fitting, Carpentry, and Sheet Metal Laboratory

Key Instruments: Bench Vices, Carpentry Tools, Sheet Metal Cutters, Drilling Machines.

Applications: Basic assembly skills, woodworking, and sheet metal work used in component fabrication.

Fluid Mechanics Laboratory

Key Instruments: Flow Meters, Venturi Meter, Orifice Meter, Notch Apparatus.

Applications: Fluid flow analysis, measurement of discharge, and pressure drop studies for industrial fluid systems.

Fluid Machinery Laboratory

Key Instruments: Centrifugal Pump Test Rig, Pelton Wheel, Francis Turbine, Reciprocating Pump Test Rig.

Applications: Performance evaluation of pumps and turbines used in hydraulic and thermal power systems.

Metallurgy Laboratory

Key Instruments: Metallurgical Microscopes, Polishing Machines, Hardness Testers.

Applications: Microstructure analysis, grain size determination, and material characterization for industrial alloys.

Special Machines Laboratory

Key Instruments: Gear Hobbing Machine, Shaping Machine, Slotting Machine, Planer Machine.

Applications: Gear cutting, surface finishing, and advanced machining processes used in manufacturing.

Thermal Laboratory

Key Instruments: Four-Stroke Diesel Engine Test Rig, Two-Stroke Petrol Engine Test Rig, Refrigeration and Air Conditioning Test Rig, Boiler.

Applications: Performance analysis of engines, refrigeration systems, and thermal systems used in the automotive and HVAC industries.

Alumni Network

The Mechanical Engineering Department at Noorul Islam Centre for Higher Education takes immense pride in its alumni, who have excelled in diverse fields and hold prestigious positions in reputed organizations. Their accomplishments are a testament to the quality of education and training imparted by the department.

Our alumni have made significant contributions across various industries, research institutions, government organizations, and media. This robust network enhances opportunities for current students by facilitating mentorship, internships, and industry collaborations.

The success of our alumni in organizations such as ISRO, NAL, HAL, BEML, Renault, and prominent media houses showcases the department's commitment to producing versatile professionals capable of excelling in any domain.

Placement Details

Our Mechanical Engineering Department boasts a stellar placement record, consistently achieving 100% placement in recent years. This success reflects the department's focus on equipping students with the skills and knowledge sought by top companies.

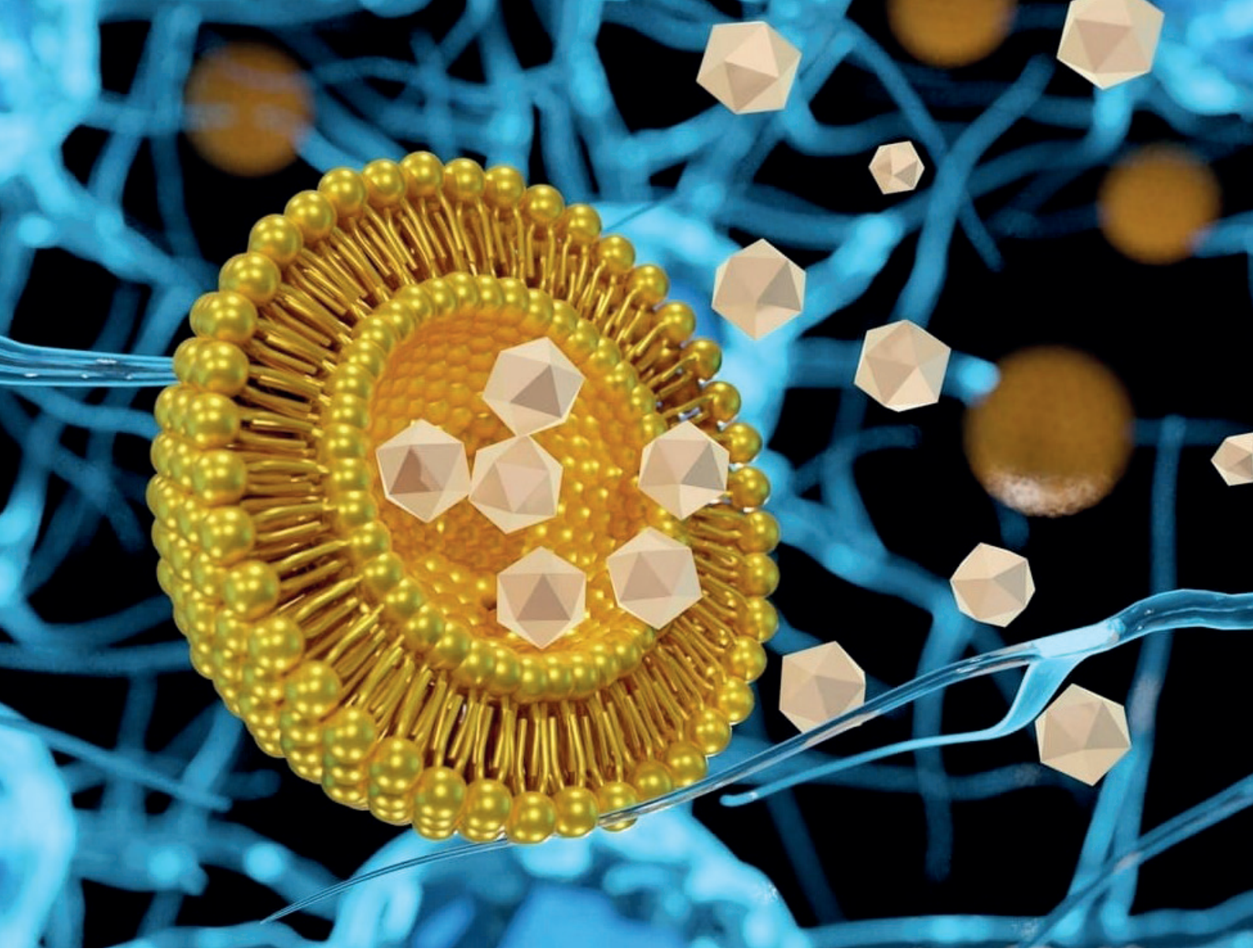
Placement Statistics

Placement Rate: 100% in the past years.

Top Recruiters

- TVS Motor Company
- Ashok Leyland
- Sodecia Automotive
- Motherson Group
- Pollucare Engineers
- Dinesh Engineering
- Emerald Industries
- JBM Group
- Tech Mahindra
- Petrostax Engineering

Our strong industry partnerships and skill-focused curriculum ensure that our graduates are highly valued in the job market. These leading companies recruit for roles in design, manufacturing, quality control, research and development, and more, paving the way for successful careers in the engineering field.



DEPARTMENT OF **NANOTECHNOLGY**

COURSES OFFERED

- B.Tech. Nanotechnology
- M.Tech. Nanotechnology
- Ph.D. Nanotechnology & Biotechnology

Scope of the course in the upcoming years

The field of nanotechnology is projected to witness significant advancements in the coming years. Global market trends indicate a steady growth in nanotechnology applications in industries like medicine, electronics, energy, and environmental sciences. According to recent studies:

- The nanotechnology industry is expected to grow at a CAGR of 14% between 2024-2030.
- Job vacancies are estimated to rise due to increased adoption in R&D and industrial production.
- Applications like drug delivery systems, nano sensors, and hybrid functional materials will lead the demand.

Globally, nanotechnology is pivotal in enabling breakthroughs across sectors such as renewable energy (solar cells, hydrogen storage) and advanced materials. Students with expertise in nanotechnology will find opportunities in research institutes, multinational companies, and startups.

Industry-Oriented Opportunities

The Department of Nanotechnology at NICHE ensures that students gain practical exposure through:

- Internships: Collaborations with premier institutions and industries for hands-on training.
- Industrial Visits: Opportunities to visit research labs and nanotech production facilities.
- Workshops and Seminars: Regular engagement with industry experts on emerging trends and technologies.

Key partnerships and collaborations with organizations like DST, BRNS, and industries facilitate real-world application of student projects.

Why choose NICHE for this course?

NICHE stands out due to its advanced teaching methodologies and cutting-edge research facilities:

- DST FIST Sponsored Department: Recognition for fostering excellence in nanotechnology education and research.
- Young and Dynamic Faculty: Faculty actively engaged in pioneering research projects in areas like graphene derivatives, magnetic nanomaterials, and nano-biotechnology.
- Award-Winning Students: Recognized nationally with prestigious awards and fellowships, reinforcing the academic rigor and professional readiness imparted by the department.

Teaching Methodology

NICHE employs a blend of traditional and innovative teaching techniques, including:

- Case-Based Learning: Real-world problem-solving scenarios.
- Hands-On Training: Extensive laboratory work using state-of-the-art instruments.
- Research-Driven Learning: Students are encouraged to engage in funded research projects alongside faculty.
- Workshops and Guest Lectures: Exposure to emerging trends from global experts.

Laboratory Facilities

The department is equipped with advanced tools that align with industry standards, such as:

1. Atomic Force Microscope
2. TG & DTA
3. UV-vis Spectroscopy
4. FTIR
5. Particle Size Analyzer
6. Surface Area Analyzer
7. X-ray Diffraction

Relevant Tests for Industry Applications

- Material characterization (thermal, chemical, and structural properties).
- Surface area and particle size analysis for industrial formulations.
- Nano-catalyst development and biological applications like hyperthermia cancer treatments.

Alumni Network

Our alumni network is robust, with graduates placed in reputed organizations globally:

- Academia and Research: IIT Madras, NUS Singapore, UNSW Sydney, ICN2 Spain.
- Industry: Infosys, Ola Electric, JPMorgan Chase, NoPo Nanotechnologies.
- Entrepreneurship: Alumni have founded successful ventures like R and L Personal Care Pvt Ltd.

Placement Details

Placement Success: 85% placement rate over the last three years.

DEPARTMENT OF **BIOMEDICAL ENGINEERING**

COURSES OFFERED

- B.E. Biomedical Engineering
- Ph.D. Biomedical Engineering

The Department of Biomedical Engineering, established in the academic year 2009-2010, is a hub of academic excellence and innovation. The department is well-equipped with advanced instruments, state-of-the-art laboratories, and modern classrooms, supported by a team of dedicated faculty members. These faculty members have pioneered a studio-based approach to education, emphasizing hands-on, experiment-driven learning.

Biomedical Engineering is a multidisciplinary field that integrates engineering principles with in-depth knowledge of biological and health sciences. It is a highly challenging yet rewarding profession, dedicated to improving human health. Students in this field are trained to be proficient engineers, well-versed in scientific principles, and adept in contemporary healthcare practices.

The department offers high-quality learning modules across diverse domains, including medical device design and services, integrated circuits, and medical data analysis. Its mission is to foster an environment conducive to scholarly research and education, with the goal of making a significant international impact and nurturing future leaders in Biomedical Engineering.

The department is actively engaged in government-funded research projects, with grants totalling 58 lakhs secured from prestigious agencies such as DBT, DST, SERB, and TNSCST. The department takes pride in its impressive placement record, with over 90% of students securing positions in core companies. Additionally, the department's commitment to innovation and research has resulted in the awarding of four patents, highlighting its contribution to the advancement of the field.

Scope of the Course

As technology continues to advance and healthcare systems evolve, Biomedical Engineering will remain a dynamic and highly impactful field. The integration of engineering, medicine, and biology offers unparalleled opportunities to shape the future of healthcare, making it an exciting and rewarding career choice for the coming decades.

It will cover the following domains:

Medical Device Development and Innovation

- Innovation in prosthetics, implants, and assistive technologies for enhanced patient care.

Artificial Intelligence and Data Analytics in Healthcare

- Rapid integration of AI and machine learning in areas such as medical imaging, predictive analytics, and patient monitoring systems.

Bioinformatics and Genomics

- Growing importance of bioinformatics in drug discovery and genetic research.
- Opportunities in CRISPR and genome editing technologies.

Rehabilitation Engineering and Assistive Technologies

- Development of advanced rehabilitation devices, including exoskeletons and brain-computer interfaces.
- Growth in assistive technologies to improve the quality of life for the elderly and differently-abled individuals.

Telemedicine and Remote Healthcare

- Expansion of telemedicine due to increasing reliance on remote healthcare solutions.
- Designing portable and user-friendly devices for home healthcare monitoring.

Research and Development

- Increased funding for biomedical research to combat global health challenges such as aging populations, pandemics, and chronic diseases.
- Opportunities for innovation in tissue engineering, organ regeneration, and biomaterials.

Regulatory Affairs and Quality Assurance

- Growing need for expertise in regulatory compliance and safety testing of medical devices.
- Roles in ensuring adherence to global healthcare standards.

Career Opportunities in Academia and Industry

- Rising demand for skilled professionals in academic research, teaching, and industrial R&D.
- Expansion of core and interdisciplinary roles in pharmaceuticals, biotech firms, and healthcare technology companies.

TO WHOM BIOMEDICAL ENGINEERING?

If you have a keen interest in Mathematics and Science, and if you would like to have a positive impact on the healthcare industry, then a Bachelor's degree in Biomedical Engineering might be the right study choice for you.

WHY NOORUL ISLAM CENTRE FOR HIGHER EDUCATION FOR BIOMEDICAL ENGINEERING?

FEATURES • Eminent, qualified and knowledge updating Faculties • Advanced and well-equipped laboratories • Department library • Government Sponsored Research projects to Faculties and Students • Guidance to the Patent filling and Entrepreneurship to students • Supporting for Journal publications

Teaching Methodology

- Blended Learning: Combines traditional lab experiments with digital tools and virtual simulations for a comprehensive learning experience.
- Skill Development: Emphasizes critical thinking, technical skills, and interdisciplinary collaboration.
- Research-Oriented Training: Encourages students to participate in ongoing projects to gain exposure to cutting-edge technologies.
- Continuous Assessment: Regular evaluations through lab reports, presentations, and quizzes to reinforce learning outcomes.
- Problem-based learning through diagnostic case studies involving infectious diseases.
- Integration of theoretical knowledge with experimental practice to enhance understanding.
- Scenario-based learning to understand the application of therapeutic devices in patient care.
- Use of clinical simulators and software tools for real-time diagnostics and treatment planning.

- Industry-oriented training to align with current medical device standards and practices.
- Collaborative projects to design and optimize imaging systems for specific medical applications.
- Group projects to foster teamwork and problem-solving skills.

Labs in the Biomedical Engineering Department

Biochemistry and Human Physiology Lab

- Provides hands-on experience in analyzing biochemical parameters and physiological processes.
- Equipped with advanced tools for studying enzymatic reactions, metabolic pathways, and molecular diagnostics.
- Enables students to understand the interplay between biological systems and engineering applications.
- Supports experiments related to blood analysis, electrolyte balance, and hormonal regulation.

Microbiology and Pathology Lab

- Focuses on the study of microorganisms, their behavior, and their role in human health and disease.
- Facilitates training in microbiological techniques such as culturing, staining, and microbial identification.
- Equipped for studying pathological conditions through tissue analysis and histopathological techniques.
- Prepares students for roles in diagnostics, infection control, and biotechnology.

Diagnostic & Therapeutic Lab

- Dedicated to the study and design of diagnostic and therapeutic medical devices.
- Provides hands-on learning in testing and calibration of diagnostic instruments like ECG, EEG, and spirometers.
- Includes facilities for exploring therapeutic technologies such as laser treatment, dialysis, and electrotherapy.
- Bridges the gap between engineering concepts and clinical applications in patient care.

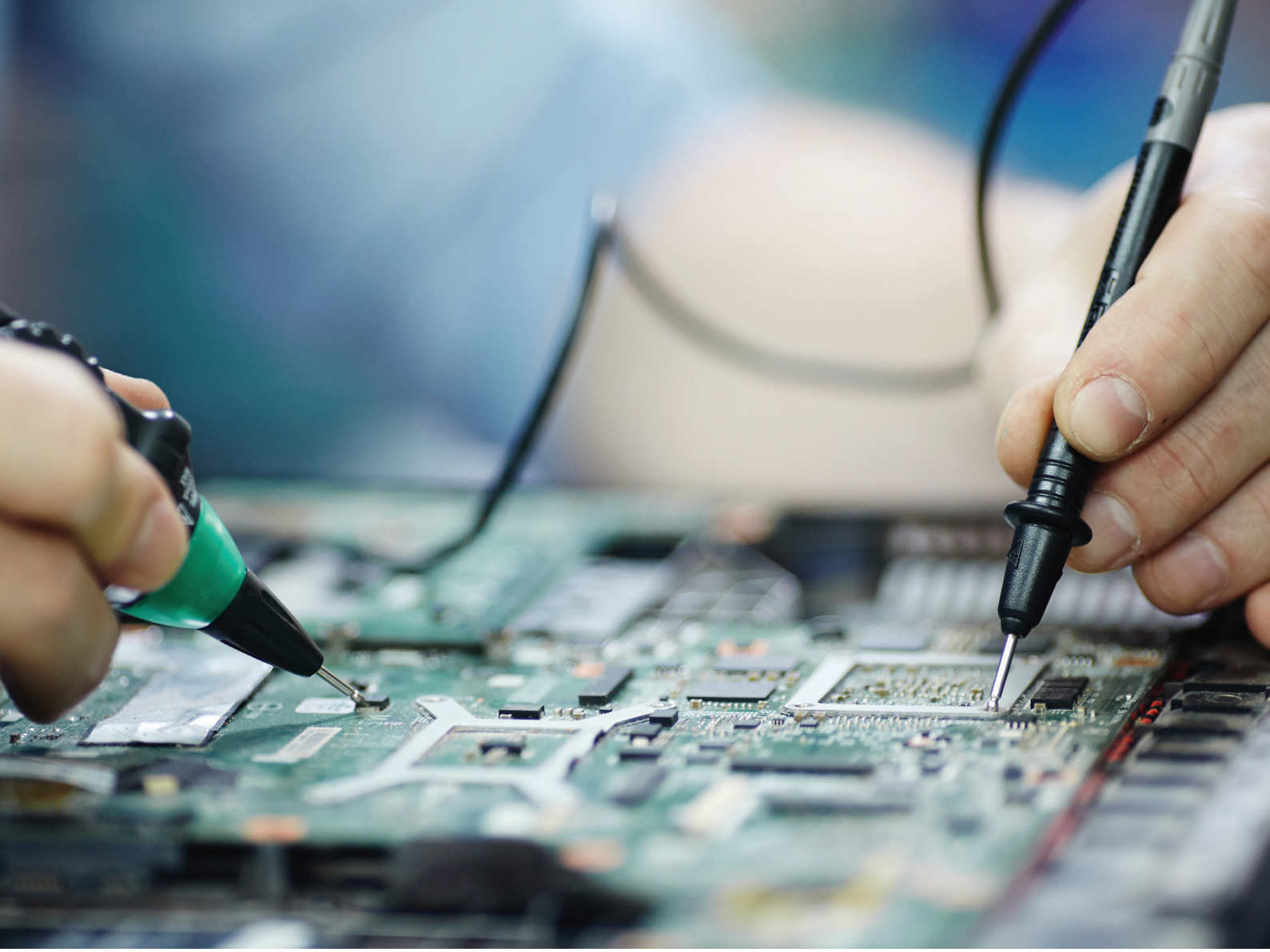
Imaging Lab

- Equipped with state-of-the-art tools for medical imaging, including X-ray, ultrasound, and MRI simulation setups.
- Trains students in the principles and techniques of imaging modalities for diagnostic purposes.
- Focuses on image processing and analysis for enhanced medical diagnostics and research.
- Prepares students for careers in imaging technology, radiology, and medical device design.

Each of these labs is meticulously designed to enhance practical learning and research capabilities, ensuring students gain the skills and expertise necessary for a successful career in Biomedical Engineering.

YOUR BIOMEDICAL ENGINEERING DREAM JOBS

• Become a Biomechanical Engineer • Become a Rehabilitation Engineer • Become a Clinical Engineer • Become a Bioengineering Researcher



DEPARTMENT OF
ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering was started in the year 1989. The major goal of the department is to impart high quality education to the students in the field of Electronics and Communication so as to prepare them to face the challenges of advancing technologies. The Department offers high quality learning modules that encompass different areas such as communications, computers, controls, electronics, microcontrollers, integrated circuits, digital signal and information processing.

COURSES OFFERED

- B.E. Electronics & Communication Engineering
- M.E. Communication Systems
- Ph.D. Electronics & Communication Engineering

Scope of the course in the upcoming years

The scope of Electronics & Communication Engineering is promising, with growing demand for skilled professionals in areas like 5G, IoT, and artificial intelligence. Job growth is expected to rise, with numerous job vacancies in top companies like TCS, CTS, WIPRO, Intel, etc.

- The scope of this course is in par, with global industry opportunities in areas like Electronics, Mobile Communication, Automation and Robotics.
- 5G/6G Technology: The rollout of 5G networks and the research into 6G will drastically increase demand for ECE professionals.
- Internet of Things (IoT): The rapid expansion of IoT, where billions of devices are connected and communicate with each other, creates a massive need for ECE professionals to design the hardware, networks, and protocols for these systems.
- Artificial Intelligence and Machine Learning: AI and integration in communication systems, automation, and data processing will require engineers skilled in signal processing, hardware, and software development.
- Electronics Miniaturization: The trend of shrinking devices (e.g., smartphones, wearables) and increasing their power and efficiency will open up opportunities for ECE professionals in semiconductor and chip design.
- Telecommunications Expansion: Businesses and consumers demand faster data rates and more reliable services.
- Global Connectivity: Increase in demand for trained professionals to manage and design communication systems and networks.
- Automation and Robotics: As industries adopt automation and robotics, ECE professionals will play an essential role in designing control systems, sensors, and communication networks for automated environments.
- Smart Cities and Smart Grids: The development of smart cities, using interconnected devices to optimize resources, traffic, energy, and more, will drive demand for engineers who specialize in communications, electronics, and data integration.

Industry – Oriented Opportunities

Industry-oriented opportunities include Chip design and development at industries, Telecommunication and networking, Embedded systems at Texas Instruments, IoT and AI at startups and research institutions, Defence and aerospace industries.

Telecommunications and Networking

- There will be a surge in demand for network engineers, communication system designers, and wireless communication specialists to support the expansion of 5G, 6G, and IoT.
- Job Roles: Network Architect, Wireless Communication Engineer, Telecom Engineer, Radio Frequency (RF) Engineer, Systems Integrator.

Electronics and Semiconductor Industry

- As electronic devices become more complex, the semiconductor industry will require more engineers to design chips, processors, and integrated circuits.
- Job Roles: Semiconductor Engineer, Circuit Design Engineer, Embedded Systems Developer.

IoT and Embedded Systems

- The rise of IoT devices will create a huge demand for embedded systems engineers who design the hardware and software that drive IoT ecosystems.
- Job Roles: Embedded Systems Engineer, IoT Developer, Firmware Engineer.

AI and Machine Learning in Communications

- With AI's increasing role in communications, there will be demand for engineers who can develop algorithms for signal processing, machine learning-based network management, and communication optimization.
- Job Roles: AI Researcher, Signal Processing Engineer, Data Scientist.

Aerospace and Defense

- The aerospace and defense sectors require highly skilled ECE professionals to design communication systems for satellites, radar, navigation, and secure communication.
- Job Roles: Aerospace Communications Engineer, Defense Systems Engineer, Satellite Communication Engineer.

Automotive Industry

- The automotive sector, especially with the development of electric vehicles (EVs) and autonomous driving technologies, is incorporating more advanced communication and electronics systems.
- Job Roles: Automotive Electronics Engineer, Automotive Communication Systems Engineer, Autonomous Vehicle Software Engineer.

Global Industry Scope and Opportunities

Global Expansion of 5G Networks

- In developing regions, the need to expand mobile and internet connectivity to rural or underserved areas will also create opportunities for ECE graduates, particularly in mobile infrastructure and satellite communication.

Digital Transformation in Developing Countries

- As developing nations increase their focus on digital transformation, there will be significant opportunities for ECE professionals to work in building and expanding communication networks and infrastructure.

Rising Demand for Semiconductor Engineers

- The global semiconductor shortage has underscored the importance of ECE professionals in designing and producing microchips and processors.

Cybersecurity in Communication Networks

- With the increasing reliance on digital communication and data exchange, the security of these systems has become a critical concern. ECE professionals with expertise in cybersecurity for communication networks will be in high demand to protect infrastructure from cyber threats.

Why choose NICHE for this course?

State-of-the-Art Infrastructure: NICHE offers well-equipped labs and modern classrooms, providing students with hands-on experience.

Experienced Faculty: NICHE's experienced faculty ensure students relevant teaching, mentorship, and placement opportunities.

Research and Innovation Focus: NICHE encourages students to participate in research projects, hackathons, and innovation competitions, and problem-solving skills.

Placement Support: NICHE provides comprehensive training, soft skills development, and placement assistance.

Alumni Network: NICHE's vibrant campus life, cultural events, and alumni network provide students with a rich learning experience, and opportunities for growth and development.

Teaching Methodology

Effective teaching methodologies are student-centered, adapting to diverse learning styles and abilities. Common approaches include project-based learning, flipped classrooms, inquiry-based learning, and experiential learning. The goal is to foster critical thinking, creativity, and problem-solving skills while ensuring that students actively participate in their learning process and achieve their educational objectives.

ECE department has signed MOU with VI Microsystem , Rezbee Technologies, and MATT

Engineering Solutions to organize workshop, seminars, career development programmes and do their project work in collaboration with them etc. Students have undergone internship in reputed organization like BSNL , ALL India Radio, Doordharshan kendra to upgrade their knowledge.

Laboratory

NICHE is equipped with laboratories and facilities that provide students with hands-on experience in various aspects of ECE including Digital Signal Processing Lab, Optical and Microwave Lab, Embedded Systems Lab, VLSI Design Lab, Electronics Lab. The institution invests in modern equipment and software tools, which are essential for practical training in designing, testing, and optimizing communication systems.

Placement opportunities

75% of students got placed in reputed companies in the previous years.

Steve Job Scholarship programme

Steve Jobs' legacy inspires ECE students by promoting innovation, design thinking, and entrepreneurship. This programme emphasizes simplicity, elegance, and user-centric design, driving innovation in electronics, technology, and product development.

DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING

COURSES OFFERED

- B.E. Electrical and Electronics Engineering
- M.E. Applied Electronics
- Ph.D. Electrical and Electronics Engineering

Global Industry Scope of Electrical and Electronics Engineering

Energy Sector: Renewable Energy and Smart Grids

The global push toward sustainability and green energy is one of the most significant trends shaping the future of EEE. The demand for renewable energy sources (solar, wind, hydroelectric, geothermal) is growing rapidly, and electrical engineers are essential for:

- Designing and implementing renewable energy systems: Engineers are needed to design and optimize energy systems that harness solar, wind, and other renewable resources.
- Developing smart grids: Smart grids enable better management of electricity distribution and integration with renewable sources. Electrical engineers design and maintain these grids to increase efficiency, reliability, and sustainability.
- Energy storage solutions: As renewable energy often depends on intermittent sources, electrical engineers work on technologies such as batteries (e.g., lithium-ion, solid-state batteries) and super capacitors to store excess energy and optimize power distribution.

Industry-Oriented Opportunities

Electrical and Electronics Engineering provides a broad range of industry-oriented opportunities as technology advances and industries continue to innovate. Electrical engineers are vital to industries ranging from renewable energy, automotive, and consumer electronics.

Renewable Energy and Energy Storage

With the global shift toward sustainable energy, renewable energy and energy storage sectors offer significant opportunities for electrical engineers.

Key Areas of Opportunity

- Solar Power Systems: Engineers design, develop, and maintain photovoltaic systems for residential, commercial, and industrial applications. Key tasks include energy conversion, panel optimization, and grid integration.
- Wind Energy: Electrical engineers contribute to the design and optimization of wind turbines, the development of efficient generators, and the integration of wind energy into power grids.
- Smart Grids and Microgrids: Engineers develop smart grid technologies that allow real-time monitoring and optimization of electricity distribution, enabling integration of renewable energy sources like solar and wind.
- Energy Storage Solutions: With increasing demand for energy storage to manage renewable energy intermittency, electrical engineers work on the development of efficient battery systems, grid-scale storage, and supercapacitors.

Why choose NICHE for this course?

Qualified and Experienced Professors: Electrical and Electronics Engineering boasts a team of highly qualified and experienced faculty members who bring academic expertise to the classroom. All faculty members are Doctorate degree holders. Most of our Alumni are well placed in reputed organizations.

Teaching Methodology

Student-Centered Learning Approach

- Active Participation: The teaching philosophy at EEE emphasizes student participation, encouraging learners to actively engage in discussions, presentations, and collaborative projects.

Blended Learning

- Combination of Traditional and Digital Platforms: NICHE adopts a blended learning approach, which combines conventional classroom teaching with digital learning tools.

Industry Integration and Practical Exposure

Internships and Industrial Visits: Students are encouraged to undertake internships and industrial visits as part of their academic curriculum.

Use of Technology in Teaching

- Smart Classrooms: NICHE may utilize smart classrooms equipped with interactive whiteboards, projectors, and multimedia resources. This enhances the teaching and learning process, allowing for visual aids, videos, and real-time demonstrations.

Laboratory Facilities

- Electrical Engineering Labs: These labs are equipped with the latest instruments and devices to facilitate practical learning in circuits, power systems, and electronics. Some key facilities may include:

o Power Electronics Lab: Focused on the application of power semiconductor devices, including the study of inverters, rectifiers, and controllers for motor drives.

o Control Systems Lab: For experimentation with automated control systems, feedback loops, and PID controllers.

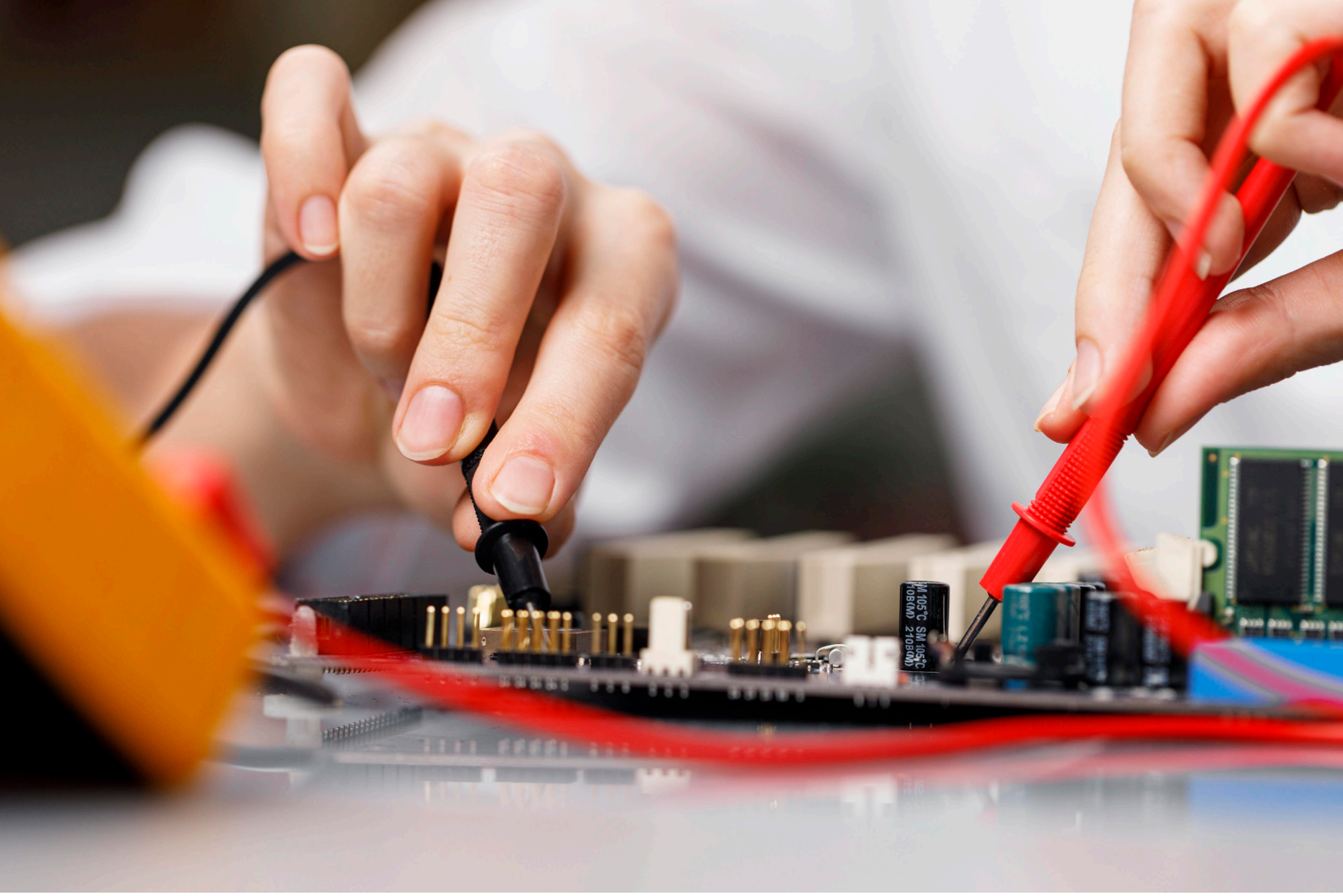
Alumni Network

The alumni network of Electrical and Electronics Engineering can provide a robust platform for current students to connect with professionals in their fields, gaining valuable mentorship and career advice.

Department organizes alumni interaction and reunions, allowing graduates to reconnect with their peers, faculty, and the institution. These events serve as a social and professional space where alumni can share their experiences, build stronger ties with one another, and remain engaged with the institution.

Placement Details

Most of our Alumni are well placed in reputed organizations like TANGEDCO, KSEB, TCS, CTS etc.



DEPARTMENT OF
ELECTRONICS AND INSTRUMENTATION ENGINEERING

COURSES OFFERED

- B.E. Electronics and Instrumentation Engineering
- B.E. Robotics and Automation Engineering
- M.E. Control and Instrumentation Engineering
- Ph.D. Electronics and Instrumentation Engineering

The Department of Electronics and Instrumentation Engineering at NICHE offers an innovative and dynamic program that integrates core concepts of electronics, instrumentation, control systems, robotics, and industrial automation with cutting-edge advancements such as artificial intelligence, the Industrial Internet of Things, and digital twins. This program is designed to provide students with both theoretical knowledge and hands-on experience to design, develop, and manage systems for measuring, monitoring, and controlling industrial processes. With a curriculum that incorporates the latest industry trends and emerging technologies, the department ensures that graduates are well-prepared for the rapidly evolving demands of modern industries.

Scope and Career Opportunities

The demand for skilled professionals in electronics, instrumentation, and automation is growing at an accelerated pace. The global job market for professionals in this field is expected to expand by 25–30% in the next decade, offering exciting career opportunities in sectors such as healthcare, aerospace, automotive, telecommunications, renewable energy, oil and gas, and manufacturing. Graduates of this program will contribute to advancements in smart manufacturing, robotics, automation systems, and more.

Industry-Oriented Learning and Opportunities

The Department offers students numerous opportunities to engage with industry professionals through internships, projects, and collaborations with leading companies such as Yokogawa, Bosch, SMEC, etc. These industry partnerships provide valuable real-world experience and exposure to cutting-edge technologies. Students also benefit from specialized training in areas like Programmable Logic Controllers (PLCs), Distributed Control Systems (DCS), SCADA systems, and robotics, all of which enhance their practical skills and prepare them for successful careers in industry.

A key opportunity for students is the NICHE-Steve Jobs Scholarship Program, a merit- based scholarship that provides free specialized training under expert mentors, enabling students to participate in international projects and gain exposure to the latest trends. The scholarship program focuses on technical skill development and offers students the chance to engage in global collaborations, enhancing their career prospects.

Laboratories

The department is equipped with advanced laboratories to provide students with practical experience using industry-standard equipment. These labs serve as hubs for innovation and hands-on learning.

Process Control Lab: Simulates real-time industrial control systems for processes like flow, pressure, and temperature using DCS, PLCs, and SCADA.

Virtual Instrumentation Lab: Focuses on the design of virtual instruments employing MATLAB, NI LabVIEW, and SIMULINK used to simulate and model control systems.

Robotics Lab: Provides opportunities to build and program robots using platforms like Raspberry Pi, Arduino, and Jetson, integrating sensors, control systems, and AI algorithms.

Electronics and Integrated Circuits Lab: offers hands-on experience with diodes, transistors, amplifiers, and integrated circuits for designing, building, and testing circuits.

Industrial Instrumentation Lab: Focuses on industry-standard instruments used in process control, such as orifice meters, deadweight testers, spectrophotometers, viscosity meters, and transducers.

Embedded Instrumentation System and IoT Lab: Enables students to design and implement IoT-enabled automation systems using sensors, processors, and communication networks for smart solutions.

Teaching Methodology

NICHE employs a practical and innovative teaching methodology, combining
lectures, hands-on projects, real-world case studies, and industry seminars. Students apply theoretical knowledge to solve practical challenges and gain critical thinking and problem- solving skills. Workshops and seminars by industry professionals ensure students stay updated with the latest trends in automation, robotics, and AI, equipping them with the knowledge required to excel in the global job market.

Career Support, Placement, and Alumni Success

Students receive training in both technical and soft skills, ensuring they are job-ready and competitive. The department also provides placement assistance through networking events, industry collaborations, and alumni connections. Students from the department secure positions in top companies each year. The department's alumni have made significant contributions to a variety of industries, holding positions in prestigious organizations such as Bosch, Siemens, ABB, Honeywell, L&T, Aramco, Shell, TCS, CTS, Infosys, and various government entities, both in India and abroad. Graduates have excelled in roles such as automation engineers, control systems specialists, and robotics experts, working on global projects and innovations in robotics, automation, and industrial instrumentation.

DEPARTMENT OF **CIVIL ENGINEERING**

The Department of Civil Engineering of Noorul Islam Centre for Higher Education was established in the year 2006. The Department has grown tremendously over the years and is now recognised as one of the major engineering departments in the university. It provides high quality teaching and instruction at both UG and PG levels. The Department of Civil Engineering with its multifaceted faculty continues to maintain and cultivate its strong links with industry and academia. The laboratories of the department are well-equipped. The Department actively promotes curriculum development activity by updating existing courses, developing new courses and preparing resource materials for teaching. It undertakes industrial based consultancy work.

COURSES OFFERED

- B.E. Civil Engineering
- M.E. Structural Engineering
- Ph.D. Civil Engineering

Scope of Civil Engineering in the Upcoming Years

Civil engineering is a foundational discipline of infrastructure development and societal growth. Its relevance is set to increase in the coming years due to rapid urbanization, technological advancements, and the global focus on sustainable development. Below is a detailed analysis of how this field is expected to evolve, including job growth, industry trends, and global opportunities. Increasing Infrastructure Demand: Urbanization and population growth are driving significant investments in infrastructure such as roads, bridges, airports, and water systems, particularly in developing countries.

Smart Cities Development: Governments globally are investing in smart cities, requiring civil engineers skilled in integrating technology with sustainable urban planning.

Job Growth: The global civil engineering market is expected to grow at a Compound Annual Growth Rate (CAGR) of around 5-7% through 2030, creating thousands of new jobs yearly. Sustainability and Green Building Projects: Demand for eco-friendly and energy-efficient structures is on the rise, creating opportunities for civil engineers in green technology and sustainable design.

Disaster-Resilient Structures: Increasing climate-related risks necessitate the development of resilient infrastructure to mitigate the impacts of natural disasters.

Transport Infrastructure Modernization: Major investments in high-speed rail, metro systems, and smart transportation networks will require specialized civil engineering expertise.

Hydropower and Renewable Energy Projects: Growing focus on renewable energy infrastructure, such as dams, offshore wind farms, and solar parks, will drive demand for civil engineers.

BIM (Building Information Modeling): Digital construction tools like BIM are transforming the planning, design, and management of civil engineering projects.

AI and Machine Learning: Predictive analysis, project management, and design optimization are increasingly relying on AI-driven tools.

3D Printing and Prefabrication: Revolutionizing construction methods by improving efficiency, reducing costs, and minimizing waste.

Projected Job Openings: The global civil engineering job market is expected to generate over 1 million job opportunities annually by 2030, including roles in design, supervision, and project management.

Higher Studies and Research: Opportunities to specialize in advanced fields like robotics in construction or seismic engineering.

Entrepreneurship: Potential to establish startups focused on innovative construction techniques and sustainable materials.

Skills Gap: Bridging the gap with advanced training programs in AI, BIM, and green technologies.

The field of civil engineering will continue to thrive, driven by the dual need for new infrastructure and the modernization of existing systems. Its evolution, heavily influenced by technological advancements and sustainability goals, will create robust opportunities for skilled professionals globally.

Industry-Oriented Opportunities in Civil Engineering at NICHE

At NICHE, we prioritize bridging the gap between academic learning and industry needs.

Our Civil Engineering program offers:

Internships and Industrial Training: Collaborations with leading construction companies, engineering consultancies, and government organizations provide students with hands-on industry experience.

Industry Experts as Mentors: Regular guest lectures, workshops, and seminars by renowned professionals keep students updated on the latest industry trends and practices.

Real-World Projects: Partnerships with industries enable students to work on live projects, applying theoretical knowledge to solve practical challenges.

On-Site Visits: Frequent site visits to construction sites, infrastructure projects, and labs help students gain exposure to real-world engineering practices.

Choose NICHE and become a part of an institution that fosters excellence, innovation, and a commitment to shaping future civil engineers.

Why choose NICHE for this course?

Civil Engineering at NICHE stands out as a preferred institution for several compelling reasons, setting it apart from other institutions offering similar programs:

Civil department was established in the year 2006, it is successfully functioning for 18 years and has a strong track record of placing Civil Engineering graduates in top companies and organizations.

NICHE offers a well-rounded Civil Engineering curriculum that balances theoretical knowledge with practical application. Courses are updated to reflect the latest industry trends, incorporating emerging technologies like smart infrastructure, sustainable engineering, and advanced construction methods.

The Civil Engineering department at NICHE is staffed by highly qualified and experienced faculty members. The staff have published 26 Journals and 14 patents have been granted during past five years.

Civil Engineering department provides modern infrastructure, including:

Structural engineering Laboratory for structural engineering, Concrete Laboratory, Soil Mechanics lab, Environmental Engineering Laboratory, fluid mechanics and Hydraulics Laboratory, Surveying Laboratory, and Strength of material Laboratory. Providing Cutting-edge software tools for design and simulation, like AutoCAD, STAAD Pro, Revit Architecture and Primavera.

The department promotes research in civil engineering, encouraging students to work on innovative projects related to smart cities, environmental sustainability, and disaster-resilient structures.

Memorandum of Understanding have been signed with CAD Desk, Nagercoil, Luca Industries International GmbH, Germany, Prime Builders & Architects, MC Road, Chengannur. CNK Digital Land Survey, Chettikulam Junction, Nagercoil, S S Rana & Co, Aurobindo Marg, Adhchini, New Delhi which provides students with ample opportunities for internships, hands-on training, and placements. These partnerships ensure graduates are industry-ready upon completing their studies. The program emphasis on site visits, industrial training, and real-world problem-solving. Skill enhancement programs, workshops, seminars, and professional certification

courses. Concepts of sustainable development, green building practices, and climate resilience into the Civil Engineering program, equipping students to address modern environmental and infrastructural challenges. NICHE delivers a Civil Engineering program that prepares students to excel in a competitive, evolving field.

Teaching Methodology

At NICHE, we employ a student-centric approach to learning, combining traditional teaching methods with innovative and interactive approaches to foster a deeper understanding of civil engineering concepts.

Traditional Teaching Methods

Lectures: Expert faculty deliver lectures to provide a comprehensive understanding of

theoretical concepts.

Tutorials: Small-group tutorials facilitate discussion, problem-solving, and clarification of doubts.

Assignments: Regular assignments help students apply theoretical concepts to practical problems.

Innovative Approaches

Project-Based Learning: Students work on real-world projects, applying theoretical concepts to develop innovative solutions.

Case Studies: Real-life case studies are used to illustrate key concepts and encourage critical thinking.

Hands-on Learning: State-of-the-art laboratories and workshops provide students with hands-on experience, enabling them to develop practical skills.

Collaborative Learning: Group projects and peer-to-peer learning foster teamwork, communication, and problem-solving skills.

Flipped Classroom: Reverse instruction methods, where students learn concepts at home and work on activities in class.

Assessment and Feedback

Continuous Assessment: Regular quizzes, assignments, and project evaluations monitor student progress.

Formative Feedback: Constructive feedback from faculty and peers helps students improve and refine their work.

Summative Feedback: Comprehensive feedback at the end of each semester provides an overview of student performance.

Hands-On Learning Experiences

- It helps students better comprehend and retain complex concepts.
- It encourages students to think critically, analyze problems, and develop innovative solutions.
- Thus, increase students' confidence and motivation, leading to improved academic performance.
- And it is lead to improved student outcomes, including increased academic achievement and retention.

By combining traditional teaching methods with innovative approaches and hands-on learning experiences, NICHE provides students with a comprehensive education in civil engineering.

Laboratory Facilities

Structural Engineering Lab

Loading Frame -100 ton

Industry Relevant Applications: A loading frame is a device used to apply loads to materials, structures, or components to test their mechanical properties. A 100-ton loading frame is a heavy-duty machine capable of applying loads up to 100 tons (220,000 lbf or 981,000 N). Computerized Compression Testing Machine – 2000KN

Industry Relevant Applications: A computerized compression testing machine with a capacity of 2000 kN is a versatile testing equipment used to evaluate the compressive strength of various materials and structures.

Concrete Mixer Machine Motorized

Industry Relevant Applications: Mix concrete for roads, bridges, tunnels, and other infrastructure projects.

Concrete Lab

Pycnometer

Industry Relevant Applications: A pycnometer is a laboratory device used to measure the density of a solid, liquid.

Flow table

Industry Relevant Applications: To measure the flowability of fresh concrete. It is a crucial test in concrete technology, as it helps to determine the workability and consistency of the concrete mix.

Sieves

Industry Relevant Applications: To determining the distribution of particles in a given sample of aggregate.

Mortar cube Moulds

Industry Relevant Applications: Mortar cube molds are used to create standardized cubes for testing the quality and durability of concrete and mortar.

Concrete Cube Moulds

Industry Relevant Applications: The Concrete cube moulds are used to test the compressive strength of concrete and mortar, which is important for determining the durability ofmasonry structures

Concrete Cylinder Moulds

Industry Relevant Applications: Concrete cylinder testing is the standard method for determining the compressive strength of concrete.

Concrete Prism Mould

Industry Relevant Applications: Prism molds are used to evaluate the consistency of mortar, which is important for determining the suitability of the mortar for different masonry applications.

Tray

Industry Relevant Applications: Concrete mixing trays are used for mixing concrete, mortar, and plaster on construction sites.

Trowel

Industry Relevant Applications: Trowels are used in many ways for mixing concrete.

Shovel

Industry Relevant Applications: Shovels can be used to move wet or dry concrete from one place to another.

Weigh balance [10KG]

Industry Relevant Applications: Weighing balances can be used to prepare samples accurately.

Weights

Industry Relevant Applications: Weighs can be used to prepare samples accurately. weights are typically measured in units such as kilograms, pounds, or tons.

Slump Cone

Industry Relevant Applications: The concrete slump test measures the consistency of fresh concrete before it sets. It is performed to check the workability of freshly made concrete, and therefore the ease with which concrete flows.

Sieve Shaker

Industry Relevant Applications: Analyze the particle size of ingredients like fine and coarse aggregate.

Measuring jar

Industry Relevant Applications: Measurement is a critical process in the construction and building industry that involves determining the size, quantity, weight or other physical properties of various materials and components used in construction projects.

Stop watch

Industry Relevant Applications: Stop watch is use to determine the time of an activity.

Le-Chatelier Apparatus with Mould and Flask

Industry Relevant Applications: Determines the soundness of cement by measuring the expansion of the cement.

Vicat Apparatus with Dash Pot

Industry Relevant Applications: The Vicat apparatus is used to ensure the quality and consistency of cement, which is important for the strength and proper curing of concrete structures.

Vee Bee Consistometer

Industry Relevant Applications: The Vee Bee Consistometer test is a common tool in the construction industry that measures the workability of concrete.

Aggregate Impact Testing Apparatus

Industry Relevant Applications: The apparatus measures the resistance of aggregates to sudden impact or shock, which is important for road construction because aggregates and select them for use in road construction.

CBR Apparatus

Industry Relevant Applications: It is a penetration or settlement under load test which is used to evaluate the subgrade strength primarily of roads, pavements and foundations.

Blains Apparatus

Industry Relevant Applications: An automatic Blaine apparatus is a piece of equipment that is used to measure how fine powdery products are such as cement.

Concrete mixer

Industry Relevant Applications: Concrete mixer is use to produce concrete for the construction of these structures.

Vibrating Table

Industry Relevant Applications: Concrete vibrating tables use high-frequency vibrations to compact concrete mixtures, removing air pockets and ensuring even distribution. This improves the quality of the concrete and reduces the likelihood of defect.

Longitudinal Compressometer

Industry Relevant Applications: Longitudinal compressometers are used in the construction industry to evaluate the compressive strength of concrete structures.

Environmental Engineering Lab

pH Meter

Industry Relevant Applications: pH meters are used to measure the pH of various solutions, such as water, soil, food, and pharmaceuticals.

Turbidity Meter

Industry Relevant Applications: A turbidity meter is a device used to measure the turbidity or cloudiness of a liquid, typically water or wastewater.

Conductivity Meter

Industry Relevant Applications: Measure conductivity to monitor water quality and detect changes in the water treatment process.

Hot Plate

Digital Thermometer

Physical Balance

BOD Incubator

Industry Relevant Applications: A BOD (Biochemical Oxygen Demand) incubator is a laboratory device used to measure the oxygen demand of microorganisms in wastewater, soil, and other environmental samples.

Muffle Furnace

Industry Relevant Applications: A muffle furnace is a type of laboratory furnace that is usedfor high-temperature applications, such as ashing, calcining, and sintering.

Water Bath

Industry Relevant Applications: Water baths are used to test the properties of materials, such as their thermal conductivity, specific heat capacity, and thermal expansion.

COD Apparatus

Industry Relevant Applications: COD apparatus is used to monitor the effectiveness of wastewater treatment processes and to determine the amount of organic matter present in the wastewater.

Jar Test Apparatus

Industry Relevant Applications: The Jar Test Apparatus is used to study the coagulation and flocculation behavior of different water samples,

Soxhlet Extraction Apparatus

Industry Relevant Applications: A Soxhlet Extraction Apparatus is used for solid-liquid extraction, primarily to extract organic compounds from solid materials.

Desiccator

Industry Relevant Applications: Desiccators are used to create a controlled atmosphere for experiments, such as those requiring a dry or inert environment.

Deionizer Ca Model

Hot Air Oven

Industry Relevant Applications: Hot Air Ovens are used to determine the moisture content of environmental samples, which is essential for calculating the concentration of pollutants.

Magnetic Stirrer 1 lit.

Fume Exhaust Hood A5-FH-F950

Digital Electronic Balance

PH Meter Roy Instrument

Industry Relevant Applications: Measures pH in water samples to determine acidity or alkalinity.

Vacuum Cum and Pressure

Rubber Tube

Magnetic Stirrer with Hot Plate 2ltr

Industry Relevant Applications: The device is commonly used in chemical synthesis reactions, where heating and stirring are required.

Hot Plate (8" Dia Round)

Gas regulator 2nos with pipe

Up based UV-vis Spectrophotometer

Industry Relevant Applications: Determines the concentration of a substance in a sample by measuring its absorbance or transmittance.

Soil Engineering Lab

Sieve Shaker

Industry Relevant Applications: It is used to separate and analyze the particle size distribution of

various materials, such as soils, aggregates, and powders.

Test Sieves 8″ Brass Frame

Industry Relevant Applications: Test sieves with an 8" brass frame are used for particle size analysis and material grading in industries like construction, pharmaceuticals, and agriculture.

Lid and Pan 8″ Brass

Industry Relevant Applications: They are used to securely cover and collect materials during particle size analysis and grading processes.

Liquid Limit Apparatus

Industry Relevant Applications: It is used in geotechnical engineering to determine the liquid limit of soil, which is the water content at which soil changes from a plastic to a liquid state, helping to classify soil properties for construction and foundation design.

Plastic Limit Apparatus

Industry Relevant Applications: Is used in soil testing to determine the plastic limit of soil, which is the moisture content at which soil transitions from a semi-solid to a plastic state, aiding in soil classification and construction suitability assessment.

Soil Hydrometer

Industry Relevant Applications: A soil hydrometer is used to determine the particle size distribution of fine-grained soils by measuring the suspension's density duringsedimentation, aiding in soil classification and geotechnical analysis.

Measuring Jar

Industry Relevant Applications: A Measuring Jar is a container used in laboratory settingsto accurately measure the volume of liquids or granular materials, such as soil samples,often used in soil testing to determine the volume of materials during various analyses like specific gravity or sedimentation.

Proctor Compaction Apparatus

Industry Relevant Applications: The Proctor Compaction Apparatus is used to determine the optimal moisture content and maximum dry density of soil for construction and compaction purposes.

Field Density Kit

Industry Relevant Applications: A Field Density Kit is used to determine the in-situ density of soil at a construction site, ensuring proper compaction and stability.

Proctor Compaction Apparatus

Industry Relevant Applications: The Proctor Compaction Apparatus is used to assess the soil's compaction characteristics by determining its maximum dry density and optimum moisture content.

Field Density kit

Industry Relevant Applications: The Field Density Kit is used to measure the in-situ density of soil on-site, ensuring adequate compaction for construction projects.

5 Kg Electronic Balance

Industry Relevant Applications: A 5 kg Electronic Balance is a precise weighing instrument used

in laboratories and construction sites to measure the mass of soil samples, materials, or other substances with high accuracy, typically used for determining moisture content, density, and other soil properties.

Permeability Apparatus

Industry Relevant Applications: The Permeability Apparatus is used to determine the rate at which water flows through soil, assessing its permeability and suitability for construction and drainage systems.

Sand Pouring Ring

Industry Relevant Applications: It is used to measure the in-situ density of soil by determining the volume of the hole created when sand is poured into it, helping to assess compaction and soil properties.

Pycnometer

Industry Relevant Applications: A Pycnometer is a laboratory device used to measure the specific gravity or density of soils, liquids, or solids by determining their mass relative to a known volume. It is commonly used for soil testing to calculate the particle density of soil samples.

Shrinkage Limit Apparatus

Industry Relevant Applications: The Shrinkage Limit Apparatus is used in soil testing to determine the shrinkage limit of soil, which is the moisture content at which soil ceases to shrink upon drying, providing valuable information for soil behavior and suitability in construction.

Oven

Industry Relevant Applications: An oven used in soil testing is typically a laboratory device designed to dry soil samples at a controlled temperature to determine moisture content, which is essential for various geotechnical and construction applications.

Direct Shear Apparatus

Industry Relevant Applications: The Direct Shear Apparatus is used in soil testing to determine the shear strength of soil by applying a vertical load and a horizontal force to a soil sample, helping to assess its stability and behavior under stress in construction and geotechnical engineering.

Triaxial Shear Apparatus

Industry Relevant Applications: The Triaxial Shear Apparatus is used in soil testing to measure the shear strength and behavior of soil under different stress conditions. It applies axial and confining pressures to a cylindrical soil sample, helping to evaluate soil stability, particularly for foundations and slopes in geotechnical engineering.

Dial Gauge

Industry Relevant Applications: A Dial Gauge is a precise measuring instrument used in soil testing and construction to measure small displacements, such as the deformation of soil samples under stress or the settlement of structures, ensuring accurate monitoring of changes in dimensions.

Survey Lab

Theodolite

Industry Relevant Applications: A theodolite is a precision instrument used in surveying, engineering,

and architecture to measure angles and distances.

Dumpy Level

Industry Relevant Applications: A dumpy level, also known as a builder's level or leveling instrument, is a surveying tool used to measure the difference in height between two points on the Earth's surface.

Prismatic Compass

Industry Relevant Applications: Site layout: Prismatic Compasses are used to lay out building sites, ensuring that structures are aligned correctly.

Auto Level

Industry Relevant Applications: An Auto Level, also known as a Self-Leveling Level or Automatic Level, is a precision instrument used to measure the difference in height between two points on the Earth's surface.

Plane Table with Standard Accessories

Industry Relevant Applications: A Plane Table is a surveying instrument used to measure and record angles, distances, and directions between reference points

Cros Staffs

Industry Relevant Applications: A Cross Staff, also known as a Jacob's Staff, is a surveying instrument used to measure angles.

Chain

Industry Relevant Applications: A Chain is a surveying instrument used to measure distances and lengths.

Total Station

Industry Relevant Applications: Surveying: Total Stations are used for a wide range of surveying tasks, including topographic surveys, boundary surveys, and construction surveys.

Substance Bar

Industry Relevant Applications: A Substance Bar, also known as a Leveling Rod or Staff, is a surveying instrument used to measure the difference in elevation between two points on the ground.

Top Recruiting Companies

Keecherry Engineering Company, Chennai

Noah's Ark Builders & Development Nagercoil

Joana Builders, Nagercoil

Breeze Constructions, Nagercoil

NICHE AVIATION ACADEMY

SOUTH INDIA'S LARGEST AVIATION INFRASTRUCTURE ACADEMY

COURSES OFFERED

- B.Sc. Aviation
- BBA Aviation
- MBA Aviation

NICHE Aviation Academy

Future Prospects: Growth in the Aviation Industry

The aviation industry is set to grow rapidly in the coming years, thanks to increased global travel, expanding aircraft fleets, and new technologies. Studies show that over 400,000 professionals will be needed worldwide in the next decade for roles such as airline management, ground operations, aircraft maintenance, and aviation safety. India, ranked as the 3rd largest aviation market in the world, is one of the fastest-growing in the sector. Job opportunities in India are expected to increase by 15-17% annually, providing abundant career options for skilled professionals.

Global Industry Scope and Opportunities

The aviation industry opens doors to diverse global opportunities, including roles in airport management, airline operations, and cargo services. Professionals in this field can build careers with international airlines, airport authorities, logistics companies, and regulatory organizations. Emerging areas like aviation safety, security, and supply chain management offer exciting and well-paying prospects for graduates. With its dynamic nature, the industry promises not only job stability but also significant growth potential, upward mobility, and international career exposure.

Industry-Oriented Opportunities

At NICHE, we bridge the gap between academia and industry by offering:

Internship Programs: Immersive experiences with leading aviation companies like International Airports, Aerodromes, Aero facilities and others.

Guest Lectures and Workshops: Sessions led by seasoned aviation professionals sharing real-world insights.

Hands-on Training: Practical exposure through simulated environments, enabling students to master industry-relevant skills.

Collaborations: Tie-ups with aviation authorities and organizations to offer students direct interaction with industry leaders.

Why choose NICHE for this course?

NICHE is the premier institution for aspiring aviation professionals, committed to delivering excellence and innovation in education. Here's what sets us apart:

Expert Faculty: Instructors with extensive industry experience and academic expertise provide comprehensive training.

State-of-the-Art Facilities: The campus boasts four aircraft hangars, multiple aircraft (including one in ground running condition), a piston engine, jet engine, and an Airbus A320 landing gear for hands-on learning.

Proven Industry Connections: Strong collaborations with leading aviation organizations ensure internships and placement opportunities.

Smart Classrooms and Aviation-Themed Learning: Our interactive, technology-driven classrooms and aviation-specific teaching methods enhance the learning experience.

Global Perspective: A curriculum designed to prepare students for both domestic and international aviation careers.

At NICHE, our focus on practical exposure, modern facilities, and a tailored educational approach ensures students are industry-ready and primed for success.

Innovative Teaching Methodology

At NICHE, we emphasize active learning through:

Case Studies and Simulations: Replicating real-world aviation challenges for practical problem-solving.

Project-Based Learning: Encouraging creativity and hands-on application of theoretical knowledge.

Interactive Sessions: Group discussions, quizzes, and live demonstrations.

Workshops and Certifications: Partnering with industry experts for additional credentials.

State-of-the-Art Laboratory Facilities

NICHE offers advanced laboratory facilities designed to provide hands-on training and practical exposure. These include:

Aircraft Maintenance Labs: Equipped with turbine engines, hydraulic systems, and avionics suites for in-depth technical training.

Aircraft Hangars and Training Aircraft: Featuring four aircraft hangars and multiple aircraft, including one in ground running condition, as well as a piston engine, jet engine, and an Airbus A320 landing gear for immersive practical learning.

Safety Simulation Labs: Specialized facilities for emergency response training and safety drills.

Navigation and Communication Systems Labs: Practical exposure to cutting-edge aviation technology used in real-world operations.

Students gain valuable experience conducting tests and working with industry-grade equipment, ensuring they are well-prepared to meet global aviation standards.

Placement Opportunities: Unlocking a World of Careers in Aviation.

Although our first batch is yet to graduate, we are confident in the robust placement network we've established, thanks to our industry collaborations. Aviation graduates from NICHE can look forward to exciting career opportunities across a wide range of roles, including but not limited to:

Airline Operations: Flight dispatch, scheduling, rostering, and operations control center roles.

Ground Services: Station coordination and line operations for seamless airport management.

Technical Writing: Creating critical aviation documentation and manuals for global compliance.

Safety and Compliance: Positions in regulatory bodies focusing on audits, compliance, and aviation safety measures.

Top Airline Roles: Positions in cabin crew, operations, and ground services.

Airport Authorities: Careers in management, logistics, and planning.

At NICHE, we've cultivated strong ties with aviation companies and focus on preparing students for real-world challenges. With roles spanning technical expertise, operational management, and customer interaction, our graduates can expect dynamic and rewarding careers.

NICHE ensures that every student is industry-ready and capable of thriving in both domestic and international aviation markets. By bridging the gap between education and employment, we prepare students not just for jobs but for lifelong success in aviation.

NICHE INTERNATIONAL **MARITIME ACADEMY**

GET READY TO EXPLORE THE OCEANS OF OPPORTUNITIES

COURSES OFFERED

- B.Com. International Logistics, Shipping and Financial Management
- BBA Multimode Transportation and Logistics Management
- MBA Global Port, Logistics and Customs Management
- M.Sc. Blue Economy and Marine Science

Shri. Nanoo Viswanadhan
Director Maritime Academy

Our mission at NICHE International Maritime Academy is to nurture a new generation of maritime professionals equipped with cutting-edge knowledge and expertise to excel in the global shipping and logistics industry. Our objectives include providing comprehensive education, fostering innovation, and preparing students for leadership roles in maritime operations, supply chain management, and more.

COURSE HIGHLIGHTS

Advanced Curriculum:

Our courses are designed by industry experts and maritime professionals, ensuring that students receive the latest knowledge and practical skills needed to thrive in the dynamic maritime sector.

State-of-the-Art Facilities:

We boast world-class facilities, including simulators, laboratories, and training vessels, providing students with hands-on experience in real-world maritime scenarios.

Expert Faculty:

Our faculty comprises seasoned maritime professionals and academics renowned for their expertise in shipping, logistics, and maritime operations. They offer invaluable insights and mentorship to students throughout their academic journey.

Industry Partnerships:

We collaborate closely with leading shipping companies, port authorities, and logistics firms to offer students internship opportunities, industry projects, and job placements, ensuring that they are well-prepared for successful careers in the maritime industry.

SUKUMARI SCHOOL OF
MULTIMEDIA AND FILM TECHNOLOGY

NICHE University launched Sukumari School of Multimedia and Film Technology in 2024 in memory of legendary actress Shri. Sukumari. The School offers two Undergraduate program - B.Sc. Hon's Film Making, B.Sc. Hon's Animation and Visual Effects and one Postgraduate program - M.Sc. Visual Communication to empower, inspire and educate the next generation of film makers and animators, blending artistic talent with technological expertise to shape the future of ever-evolving world of media.

COURSES OFFERED

- M. Sc. Visual Communication
- B.Sc. Hon's Film Making
- B.Sc. Hon's Animation and Visual Effects

COURSE HIGHLIGHTS

Practical Experience: The Multimedia Lab offers extensive facilities for high-quality professional Sound Studio, Edit Suite and Workstations (Animation Lab, VFX Lab, Photo Edit Lab). A professional Shooting Floor (Still photo floor, Chroma floor, Set Studio floor) and film screening theatre designed to train students and shape them into skilled professionals ready to launch successful careers in the global film industry.

Guest Lectures and Workshops: We host a series of guest lectures, Seminars and workshops led by accomplished industry professionals—such as directors, producers, cinematographers, editors, 3D Professionals and VFX artist. These sessions offer students primary insights into the industry's latest practices and trends, along with valuable opportunities that can help them to bridge the transition from classroom to career.

AI-Enhanced Course: Our Program integrates artificial intelligence tools and techniques into the creative processes of film production and animation.

Industrial Exposure: Our courses offer in-depth knowledge of the film and Animation industry, covering Pre-production, Production and Post Production. This comprehensive approach equip students with a thorough understanding of the industry landscape.

Script-to-Screen Approach: Our curriculum embraces a comprehensive script-to-screen approach, guiding students through each stage of film creation—from script writing, pre-production, Production and post-production.

Film Critique and Analysis: Our courses feature film critique and analysis sessions, where students explore and dissect both classic and contemporary films. These sessions build critical thinking skills and deepen students' understanding of cinematic techniques and storytelling principles.

On-the-Job Training: In the final stage, students will complete their capstone projects, focusing on applying their skills in real-world production. They'll also engage in employment preparation, including resume building and portfolio development, and gain hands-on experience through on-the-job training, bridging academic learning with industry practices.

JOB OPPORTUNITIES

- The film making, animation, and VFX industries offer a wide range of exciting job opportunities. In film making, roles include Director, Producer, Screenwriter, Cinematographer, Editor, Sound Designer and Production Manager.
- In animation, careers include Animator, Storyboard Artist, Character Designer, Layout Artist, Visual Effects Artist, Animator, Rigger and Compositor.
- The VFX industry also offers various roles, such as Visual Effects Supervisor, Compositor, 3D Modeler, Texture Artist, Lighting Artist, FX Artist and Motion Capture Technician.
- Additionally, other roles exist, including Pre-Visualization Artist, Colorist, Sound Engineer, Game Developer and Virtual Reality/Augmented Reality Developer. These careers offer opportunities for creative and technical professionals to bring their ideas to life.

Why choose NICHE for this course?

- NICHE's curriculum is designed in collaboration with industry experts to ensure that students learn the latest techniques and software used in the industry.
- NICHE's faculty consists of experienced professionals who have worked on numerous projects in film making, animation, and VFX.
- NICHE has connections with the film and animation industry, providing students with opportunities for internships, placements, and collaborations.

Come and join us at the Sukumari School of Multimedia and Film Technology, and discover the exciting opportunities and possibilities that await you in the world of multimedia and film technology!

FACULTY OF MANAGEMENT STUDIES (FMS)

FMS, NICHE has successfully established and maintained the apt ambience for learning and the highest level of academic performance by providing state-of-the-art infrastructure and facilities in these institutions. International partnerships have been established with reputed Management. With the rise and development of the business environment and the constant changes which it entails, a manager is required to have an extensive knowledge of industry, good communication skills, ability to direct people, time management skills along with effective problem solving ability. And this is what common mentoring of FMS strives to achieve among its various other aims. Common mentoring was envisioned as a platform where students could explore and challenge themselves and gradually evolve to become industry ready managers. It was envisaged keeping in mind the mission of the Institution which is to nurture our students to become creative, confident and effective managers and business leaders of high integrity.

Student - Teacher Paper Publication / Presentation Student-Teacher

Paper Publication is an innovative strategy adopted by FMS. Being a Management institute, we not only nurture our students for corporate readiness but also motivate them in the area of research and publications. This boosts their confidence for presentation and also gives them an idea with working on a research paper. Goal: The goal is to create a research habit within the students so that they get an idea on how to work on a research paper and also to get the feel of doing a research presentation

Methodology Used: We motivate our students to do an authentic and fair research for their projects so that they can convert the same to a quality paper and publish/present it in an upcoming conference. Outcome: Majority of the students are motivated to find unique research topics and do the project sincerely which in turn results in a quality research paper for both the student and faculty which could be published or presented for a conference. Significance of Results: This concept brings out a flair for research among the students and gives them a better understanding on how to make a presentation and also on the nooks and corner of getting a research paper published in a journal.

Faculty Case Studies In the effective teaching-learning process, case studies form an effective tool. For the business students, the real world is the laboratory. So the case studies from business world provide the students a chance to understand and test the theories they have learned to see how they apply in the real situations. Keeping this in view, FMS has initiated the concept of 'Faculty Case Studies' to administer in the classroom.

COURSES OFFERED

- MBA (Master of Business Administration)
- MBA (Artificial Intelligence, Machine Learning & Deep Learning)
- MBA (Aviation Management)
- BBA (Aviation Management)
- BBA
- B.Com.
- B.Com. with CA
- Ph.D. (Management Studies)

B NICHE SCHOOL

WELCOME TO MASTER OF BUSINESS ADMINISTRATION (MBA), NICHE – PIONEERING EXCELLENCE IN GLOBAL MANAGEMENT EDUCATION

At NICHE, we prepare future leaders to thrive in a dynamic and ever-evolving global business environment. Our MBA program is designed to foster innovation, enhance leadership capabilities, and equip students with cutting-edge knowledge and skills to drive transformative change across industries.

Scope of the MBA Program: Your Gateway to Boundless Opportunities

The Master of Business Administration (MBA) is more than just a degree—it's a passport to a successful career. Spanning two transformative years, the NICHE MBA program opens doors to diverse career opportunities in management, finance, marketing, operations, and beyond.

With the rise of industries like e-commerce, healthcare, and consulting, MBA graduates are in high demand for their analytical prowess, strategic thinking, and financial acumen. At NICHE, we empower students to become well-rounded professionals, ready to tackle complex challenges and seize opportunities in a competitive global market.

Key Highlights

• Career Opportunities: Graduates are highly sought-after by top companies such as KPMG, Tata Consultancy Services, Deloitte, Amazon, ICICI Bank, Infosys, Microsoft, and Reliance Industries.

• Starting Salary Range: INR 2.7 to INR 8 lakhs per annum for freshers, with exponential growth as professionals advance to roles like Associates and Assistant Managers.

Why Choose NICHE for your MBA?

World-Class Faculty: Learn from distinguished academicians and industry veterans.

Global Perspective: Internationally benchmarked curriculum with a focus on global business trends.

State-of-the-Art Infrastructure: Cutting-edge facilities to foster innovation and collaboration.

Robust Industry Connect: Strong partnerships with leading global organizations for internships and placements.

Transformative Learning: A holistic approach combining theoretical rigor with practical exposure.

Entrepreneurship Ecosystem: Programs like the Khadi Village Project foster entrepreneurial thinking.

Commitment to CSR and Ethics: Diverse social initiatives connect students with community needs.

Green Campus: A lush, eco-friendly environment for personal and professional growth.

Industry-Oriented Learning Opportunities

• Live Industry Interaction: Engage with CEOs, entrepreneurs, and industry leaders through exclusive initiatives like Chat with Entrepreneurs and Coffee with the CEO.

• Industrial Visits and Internships: Gain firsthand exposure to real-world business challenges.

• Case Study Approach: Sharpen analytical thinking and decision-making skills.

• Guest Talks: Learn directly from industry experts.

Teaching Methodology: Innovative, Engaging, Effective

Our unique pedagogy blends academic knowledge with experiential learning:

• Case Studies: Solve real-world business challenges.

• Group & Individual Projects: Conduct research and develop innovative solutions.

• Role Plays & Simulations: Practice decision-making in realistic business settings.

• Business Games: Learn strategic thinking through interactive exercises.

• Field Visits: Gain practical insights from industry leaders.

Career and Placement Success

NICHE MBA graduates are highly sought-after by top organizations across industries.

• Placement Rate:88% of the last batch placed in leading MNCs.

• Top Recruiters: KPMG, Tata Consultancy Services, Deloitte, Amazon, Infosys,
Microsoft, ICICI Bank, and Reliance Industries.

Alumni Network:

• Career growth through job referrals and mentorship.

• Networking events to build professional relationships.

Join NICHE MBA: Where Ambition Meets Opportunity

Become part of a legacy of excellence. At NICHE, we don't just teach business—we shape the leaders of tomorrow.

SPECIALIZED MBA PROGRAMS
SHAPING LEADERS ACROSS INDUSTRIES

MBA in Shipping and Logistics Management

Tailored for professionals in the dynamic maritime and logistics industry, this two-yearprogram offers in-depth insights into port and shipping operations through coursework, industry visits, and dissertations.

Career Prospects:

- Roles: Port and Shipping Manager, Operations Manager, Cruise Ship Manager, Port Planning Officer, Cargo and Shipping Manager, and more.
- Compensation: Competitive salaries with attractive bonuses in select roles.

Program Highlights:

- Hands-on exposure to global logistics and supply chain challenges.
- Opportunities in national and international shipping firms.

MBA in Healthcare Management

Designed for individuals passionate about healthcare innovation, this program prepares students for leadership roles in hospitals, insurance firms, and healthcare systems.

Career Prospects:

- Roles: Healthcare Manager, Policy Advisor, Hospital Administrator, and more.
- **Salary Range:**

o Entry-level: INR 5–7 LPA.

o Mid-level: INR 8–12 LPA.

o Senior-level: INR 13–20 LPA.

Program Highlights:

- Focus on healthcare leadership and operational excellence.
- Insights into healthcare economics, compliance, and policy management.
- Collaboration with top healthcare organizations for experiential learning.

MBA in Aviation Management

With India poised to become the third-largest aviation market by 2025, this program is the ideal launch pad for professionals in this high-growth industry.

Career Prospects:

- Roles: Airport Manager, Aircraft Maintenance Manager, Aviation Operation Specialist, and more.

Program Highlights:

- Industry-aligned curriculum focused on aviation business principles.
- Hands-on training for managing large-scale aviation projects.
- Networking opportunities with global aviation leaders.

MBA SPECIALIZATIONS

- Human Resource Management
- Health Care
- Marketing
- Finance
- Operation
- Systems
- Disaster Management
- Aviation Management
- Shipping & Logistic Management
- Artificial Intelligence
- Machine Learning & Deep Learning

BBA MULTIMODE TRANSPORTATION AND LOGISTICS MANAGEMENT

NICHE offers a 3 years BBA in Multimode Transportation and Logistics Management course at the UG level. The BBA programme has been developed to prepare students to meet the requirements of organizations in the Logistics & Supply Chain Management sector so as to have a fundamental knowledge of the business operations as well as an understanding of the practical application of the concepts in the chosen areas of Logistics & Supply Chain Management domain. In the first year, the focus is on building the foundation in the core subjects and also training the students in the Logistics subjects and business communicative skills. At the end of 1st year, students are required to undergo internship for 4 weeks in the Logistics & Supply Chain Management sector. In the second year, focus is to impart detailed inputs in the Supply Chain Management subjects. At the end of 2nd year, students are required to undergo internship for 6 weeks. The final year focuses on providing students with an integrated and holistic view of business and an in depth understanding of Supply Chain Management & Logistics integration. Students are required to do a project in the third year in their chosen topic for two months in the Logistics & Supply Chain Management.

Massive Scope

After completing a BBA Multimode Transportation and Logistics Management, candidates have the option of pursuing a PGP in supply chain and logistics. And candidates who are interested in employment can apply for the positions stated below:

Sector Analyst: They keep tabs on businesses in industries like finance, technology, healthcare, and automobiles.

Project leader: Their job is to organize, carry out, and manage the project efficiently and quickly.

Manager of global logistics: They manage the transportation, distribution, and storage of materials or objects. The warehouses, material client service, and transportation are under their control.

Operations Manager: They are in charge of managing and guiding the business. It is a technique to look at a company's growth and profits.

Transportation supervisor: They are in charge of things like executing, directing, and coordinating transportation-related activities.

BACHELOR OF COMMERCE (B. Com)

B.Com. is UG program focusing on advanced Commerce and Business studies. The B. Com course provides in-depth knowledge of subjects like Accounting, Finance, Economics, Taxation, and Business Law. B. Com equips students with essential skills to analyze business environments, make strategic financial decisions, and manage economic resources efficiently. On graduating with B. Com courses, candidates can opt for job profiles such as Accountants, Accounts Managers, Business Consultants, Sales Executives, and Financial Analysts etc. The average salary that a B. Com graduate earns ranges between INR 4 LPA and INR 5 LPA. B. Com is also an ideal choice for CA and CS aspirants. Those who plan to take up a career in law opt for B.Com LLB. Some also choose to pursue higher education like an MBA and M. Com. orprofessional certifications like Certified Public Accountant (CPA).

BACHELOR OF COMMERCE WITH COMPUTER APPLICATION (B. Com. with CA)

B. Com Computer Applications is a 3-year undergraduate course. It is designed to have an understanding in the field of commerce, especially in the discipline that involves the use of software technology application. A student who has completed a B. Com. Computer Applications has career opportunities in both the Public and Private sectors where they can work as Business Consultants, Auditors, Business Analysts, App Developers, Computer Programmers.

The highest annual salary of around INR 10 lakhs can be expected by graduates of this course, whereas an average annual salary around INR 3.5 - 5 lakh can be expected.

B. Com Computer Applications:

- The B. Com Computer Applications is a degree that equips students with knowledge in both

commerce as well as in computers.

- The degree will teach the students all the technicalities involved with respect to the computer applications and how to use them in business after graduation. This course bridges commerce and computer applications which in turn help the students to become smart and employable.
- Also, training in Computer Applications in the field of commerce provides extra mileage in placements.
- Students will gain an in-depth understanding of the working of the field of commerce as well as the IT field.
- This course is perfect for those who want to work in both the fields or even in either field as it will give them an edge over the competitors.
- You can work in areas like IT industry, educational institutes, computer training centres, computer repair shops, banking sector, web designing, etc.
- You could also work as a mobile app developer, computer operator, computer application specialist, computer scientist, accounts assistant, etc.
- The curriculum taught is modern and innovative which gives the students a much broader outlook on how the market functions.

Why study B.Com. Computer Applications?

- A candidate who has a degree in this course is assumed to have skills in both commerce and computers.
- Useful skills in the field of commerce like accountancy, economics, etc which can be used for one's own betterment and future career growth.
- You would also have valuable computer skills and this will help you to under and help people by offering advice or services related to fixing computers like fixing the bugs in software, etc.
- It gives you an edge over computer graduates as you have the knowledge in commerce also, which makes you a desirable candidate for IT employers.
- The job opportunities are varied and great as you can work as an auditor, budget analyst, CA, CS, financial analyst, business consultant, etc.
- You can work in business, financial services, IT, etc.
- The job opportunities are great, the salary packages offered are decent and most of the colleges have placements to reputed companies offering attractive packages.
- In the future, you could also go for a master's degree to specialize in either one of the fields of your choice.

BACHELOR OF BUSINESS ADMINISTRATION (BBA)

BBA courses are UG programs that are designed to equip students with foundational knowledge and skills essential for managing and leading in various business environments. BBA programs generally include subjects like marketing, finance, human resources, and operations management. BBA courses aim to develop critical thinking, leadership, and communication skills, which are crucial for career advancement in the business sector. Candidates can get the option to pursue a BBA General and learn about various aspects of different domains including Marketing, Finance, Human Resource Management, and Entrepreneurship, or can choose to specialize in one subject and pursue BBA specializations like BBA Finance, BBA Entrepreneurship, and BBA Aviation. After completing the studies, one can get recruited at some of the top positions including Finance Executive, Development Analyst, and Business Consultant. The salaries range from INR 3 - 10 LPA.

BBA SCOPE: HIGHEST PAYING CAREER OPPORTUNITIES

Management Trainee

Many top companies offer various job opportunities after BBA with their structured

management trainee programs for fresh BBA graduates. Through these programs, individuals are groomed to take on leadership roles within the organization. Trainees undergo comprehensive training across various departments, gaining valuable insights into the company's core operations and culture.

Marketing Executive or Manager

BBA graduates can excel in marketing roles, where they develop and implement strategies to promote products or services. Responsibilities include market research, camping planning, and brand management, leveraging both analytical skills and creativity to drive business growth.

Financial Analysts

With a BBA degree, graduates can pursue careers as financial analysts, evaluating financial data to provide complete insights and recommendations to businesses. They analyze market trends, assess investment opportunities, and contribute to strategic decision-making processes.

Human Resources Specialist

BBA graduates with a focus on human resources (HR) can embark on career opportunities after BBA as HR specialists, playing a vital role in recruitment, training, and employee relations. They ensure that organizations have the right talent to achieve their objectives while fostering a positive work environment.

Operational Manager

Operations managers are responsible for overseeing the routine activities of a business and optimizing processes to enhance efficiency and productivity. Students equipped with organizational and problem-solving skills can thrive in the fields of managing logistics, supply chain operations, and continuous improvement initiatives, making it one of the highest-paying jobs for BBA graduates.

Entrepreneurship

For those with an entrepreneurial spirit, a BBA degree provides a basic and sturdy groundwork for launching and managing their respective ventures. The graduates can leverage their business acumen to identify job opportunities after BBA, develop innovative business models, and navigate the challenges of entrepreneurship.

Consulting

Consulting firms recruit BBA graduates to work on diverse projects, offering strategic advice and solutions to clients across various industries. Consultants leverage their analytical prowess and business expertise to tackle complex challenges and drive organizational transformation.

Banking and Finance

BBA graduates can pursue careers in the financial sector, working in banking, investment banking, or finance-related roles such as financial planning and analysis, risk management, or wealth management.

Sales Executive/Manager

In sales roles, BBA graduates use their communication skills and market knowledge to drive revenue growth. They build relationships with clients, negotiate deals, and devise sales strategies to meet targets and maximize profitability.

Supply chain management

BBA graduates can pursue opportunities in supply chain management, overseeing the seamless flow of goods and services from suppliers to customers. They manage procurement processes, optimize inventory levels, and improve distribution networks to ensure operational excellence.

DEPARTMENT OF ALLIED HEALTH SCIENCES

CARDIAC CARE TECHNOLOGY

Scope of the Course in the Upcoming Years

The field of cardiac care technician is rapidly evolving, driven by advancements in technology and the increasing in demand. Over the next few years, we can expect to see significant growth and job opportunity. Our course is designed to equip students with the skills and knowledge required to succeed in this exciting and dynamic field.

Global Industry Scope and Opportunities

The medical industry is a rapidly growing market, with an estimated value. Our course provides students with a comprehensive understanding of the industry, including its trends, challenges, and opportunities. Students will have access to a range of resources, including industrial medical reports, case studies, and guest lectures from leading professionals.

Hospital -Oriented Opportunities

At NICHE, we believe in providing students with hands-on experience and real-world applications of their studies. Our course includes a range of industry-oriented opportunities, such as:

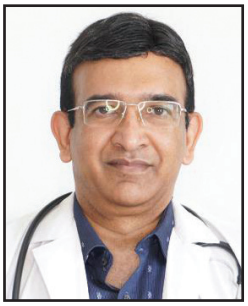
- Internships with leading companies in the industry
- Collaborations with industry professionals on case studies
- Guest lectures from leading experts in the field
- Site visits to industry locations

Why choose NICHE for this course?

NICHE is the preferred institution for this course due to its:

- Experienced faculty with industry expertise
- Cardiac laboratory facilities
- Strong industry connections and partnerships
- Comprehensive curriculum that covers both theoretical and practical aspects of the course
- We provide postings in cardiac section daily to engage with patients and have a real time study

TEACHING FACULTY

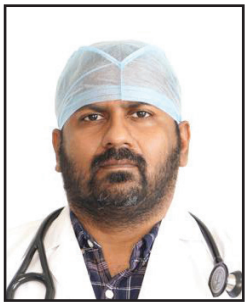


Dr. Madhu Sreedharan

MBBS, MD (General Medicine), DM(Cardiology),MRCP(UK), FIC(Aus.),FRCP(London), FRCP(Edinburg), FSCAI, FACC, FESC

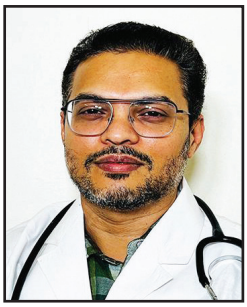
Dr. Saritha S Nair

MBBS, MD, DNB, DM (Cardiology)



Dr. Kiran Gopinath

MBBS, MD (General Medicine), DM (Cardiology)



Dr. Hameem Meeran Pillai

MBBS, MD (Physician), DA (Anaesthesiology)

Dr. Shahbaz Zailu Mohamed

MBBS, MD (Physician), MD (General Medicine)

Teaching Methodology

Our teaching methodology is designed to provide students with a comprehensive understanding of the course material. We use a range of innovative approaches, including:

- Case studies and group discussions
- Hands-on laboratory experiments
- Guest lectures from industry experts
- Case -based learning

Laboratory Facilities

Our laboratory facilities are equipped with state-of-the-art equipment, including:

- ECG
-PORTABLE ECHO
-TMT
-DEFIBRILLATOR
-ECHO

PERFUSION TECHNOLOGY

Scope of Perfusion Technology

Perfusion technology is a rapidly evolving field that plays a crucial role in saving lives and improving patient outcomes. As a perfusionist, you will be responsible for operating complex medical equipment and working closely with surgeons, anesthesiologists, and other healthcare professionals to ensure the best possible outcomes for patients. With the aging population and increasing incidence of cardiovascular diseases, the demand for skilled perfusion technologists is expected to rise. This field offers promising career growth and opportunities for specialization in areas like paediatric cardiac surgery and transplant surgery.

Industry-Oriented Opportunities

a. Clinical Roles

Heart-Lung Machine Operation: Perfusion technologists operate heart-lung machines during cardiac surgeries while the heart is stopped by maintaining hemodynamic stability.

Patient Monitoring: They monitor patients' vital signs, blood gases, and other parameters to ensure stability during surgery.

Medical Equipment Management: Perfusionists play a crucial role in managing both Intra-Aortic Balloon Pump (IABP) and Extracorporeal Membrane Oxygenation (ECMO) systems ensuring the safe and effective critical support to patients with severe cardiac or respiratory conditions.

Non-Clinical Roles

Research and Development

Education and Training

Career Opportunities: Job roles include cardiac perfusionist, pediatric perfusionist, medical coder, lecturer, and risk manager.

Internships and Hands-On Training

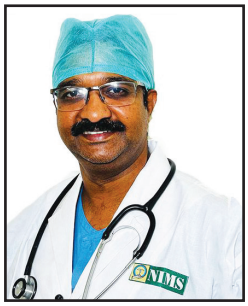
At NICHE, we believe in providing students with hands-on experience and real-world applications of their studies. Our course includes a range of industry-oriented opportunities, such as:

- Internships with leading hospitals in the industry
- Collaborations with other professionals on case studies
- Guest lectures from leading experts in the field

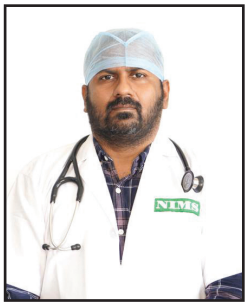
Why choose NICHE for this course?

- A curriculum designed to align with professional field requirements
- Regular updates to incorporate advancements in perfusion technology.
- Equipped with a Heart lung machine, its accessories and patient monitoring systems.
- Access to the latest medical journals and cardiac research methodology.
- Faculty members with extensive clinical, teaching, and research experience in respective fields

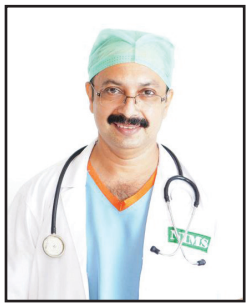
TEACHING FACULTY



Dr. E Asher Ennis Nayagam
MBBS, DNB (Cardiothoracic Surgery),
DNB (General Surgery)



Dr. Kiran Gopinath
MBBS, MD (General Medicine),
DM (Cardiology)



Dr.Haris Azeez
MBBS, DA (Anaesthesiology)

Dr. Biju B Nair
MBBS, DNB(General Medicine)
MRCP(UK), Acute Medicine

- Guest lectures by medical professionals and perfusionists.
- Collaborations with leading hospitals and companies for internships, research, and placements.
- Opportunities to work with machinery manufacturers for training in equipment maintenance.

Teaching Methodology

Our teaching methodology is designed to provide students with a comprehensive understanding of the course material. We use a range of innovative approaches, including:

- Case studies and group discussions
- Hands-on laboratory experiments
- Guest lectures from industry experts
- Case -based learning

Laboratory Facilities and Key Instruments

Perfusion Simulation Lab

Key Equipment

Heart lung machine

Various oxygenators

Custom pack

Connectors

Tubings

Cannulas

BCDS

Medications

BP Apparatus

Glucometer

Several other equipments related to perfusion

Types of Tests Conducted Relevant to Industry Applications

- Complete blood count
- ECG
- PFT
- Ultrasound
- ECHO
- Blood sugar test
- Cardiac MRI
- Angiogram

Alumni Network

1. AnathakrishnanP ,Apollo Hospitals, Chennai
2. Ajmal N Meditrina Hospitals, Kollam, Ayathill
3. Sandra Vijayan, Dr. K M Cherian Institute Of Medical Sciences, Chengannur

Alumni Support and Interaction

- Regular alumni Interaction sessions for networking and mentorship.

Placement Percentage in Previous Years

- 2021-2022: 80% of students placed
- 2022-2023: 95% of students placed
- 2023-2024 (ongoing): 92% of students secured internship in reputed hospitals in Kerala and outside Kerala.

Top Recruiting Companies and Organizations

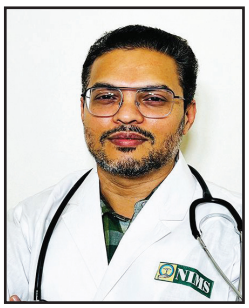
- Apollo Hospitals, Chennai
- MeditrinaHospitals, Kollam
- Dr.K M Cherian Institute of Medical Sciences, Chengannur
- Aster DM Healthcare
- Sreedevi Medical College, Bangalore

TEACHING FACULTY

Dr. Manju Thampi
MBBS, MD, DCH, DNB (Pediatrics),
DM (Nephrology), DNB (Nephrology)

Dr. Sabarinadh
MBBS,DCH, DM, DNB (Nephrology)

Dr. Biswas P S
MBBS, DA (Anaesthesiology)



Dr. Hameem Meeran Pillai
MBBS, MD (Physician),
DA (Anaesthesiology)

Dr. Biju B Nair
MBBS, DNB(General Medicine)
MRCP(UK), Acute Medicine

Dr. Jim Litton
MBBS, MD (General Medicine)

Dr. Nisha M
MBBS,, MD (Pediatrics),
MRC, PCH (Part 1)

RENAL DIALYSIS TECHNOLOGY

Renal Dialysis Technology is a rapidly evolving field driven by the rising prevalence of chronic kidney diseases (CKD), advancements in dialysis technology, and the growing demand for skilled professionals in healthcare. CKD affects approximately 10% of the global population, and its prevalence is increasing due to aging populations and a rise in diabetes and hypertension cases. The growing burden of CKD has led to the expansion of dialysis facilities, especially in developing countries, creating a steady demand for trained dialysis technologists. The dialysis industry is growing at a rate of 6-8% annually, with over 1,000 new dialysis centers projected to open in the next 5 years. A high demand for dialysis technologists due to CKD rates and well-funded healthcare systems.

Industry-Oriented Opportunities

a. Clinical Roles

- Dialysis Technologist: Operating and maintaining dialysis machines, ensuring patient safety.

b. Non-Clinical Roles

- Clinical Application Specialist
- Tutor in Renal Dialysis Technology

Internships and Hands-On Training

At NICHE, we believe in providing students with hands-on experience and real-world applications of their studies. Our course includes a range of industry-oriented opportunities, such as:

- Internships with leading companies in the industry
- Collaborations with industry professionals on case studies
- Guest lectures from leading experts in the field
- Site visits to industry locations

Why choose NICHE for this course?

- A curriculum designed to align with industry requirements
- Regular updates to incorporate advancements in renal care and dialysis technology.
- Equipped with 2 dialysis machines, RO system and patient monitoring systems.
- Access to the latest medical journals and nephrology research.
- Faculty members with extensive clinical, teaching, and research experience in nephrology and dialysis.
- Guest lectures by industry professionals and nephrologists.
- Collaborations with leading hospitals and companies for internships, research, and placements.
- Opportunities to work with dialysis machine manufacturers for training in equipment

Teaching Methodology

Our teaching methodology is designed to provide students with a comprehensive understanding of the course material. We use a range of innovative approaches, including:

- Case studies and group discussions

- Hands-on laboratory experiments
- Guest lectures from industry experts
- Case -based learning

Laboratory Facilities and Key Instruments

Dialysis Simulation Lab

- **Key Equipment**
  - Hemodialysis machines (Fresenius 4008S)
  - Dialyzer reprocessing systems
  - Water treatment units for dialysis (RO systems)
  - Bloodline systems and AV fistula models
  - Medications
  - BP Apparatus
  - Glucometer
  - Several other equipments related to hemodialysis

Types of Tests Conducted Relevant to Industry Applications

- Blood grouping
- ESR
- Bleeding time
- Clotting Time
- Hemoglobin estimation
- Blood sugar test
- Benedicts test
- Test for carbohydrates
- Test for proteins

Top Recruiting Companies and Organizations

- Apollo Hospitals
- Fortis Healthcare
- Max Healthcare
- Kollam Medicity
- KIMS trivandrum
- Aster DM Healthcare

FORENSIC SCIENCE

Scope of the Forensic Science Course

Forensic science is an interdisciplinary field that is expected to grow significantly in the coming years due to increasing reliance on scientific methods in criminal investigations and the rising complexity of crimes.

Evolving Role in Criminal Justice

Advanced forensic techniques such as DNA profiling, toxicology analysis, and digital forensics will become indispensable in law enforcement.Artificial intelligence (AI) and machine learning will automate forensic processes, improving accuracy and efficiency.

Job Growth

The global forensic science market is projected to grow at a compound annual growth rate (CAGR) of 9.8% from 2023 to 2030. The demand for forensic experts is expected to rise in government agencies, private labs, and corporations, leading to increased job vacancies in areas like cyber forensics, ballistics, and forensic biology.

Career Opportunities

Government Jobs: Roles in crime investigation departments, intelligence bureaus, and law enforcement agencies.

Corporate Sector: Forensic accounting, insurance fraud detection, and private investigations.

Academia and Research: Opportunities for teaching and innovation in forensic methodologies.

Global Industry Scope

Countries like the US, UK, and Australia have established forensic science industries, offering extensive research and employment opportunities.Emerging economies like India are investing in forensic infrastructure, creating a demand for skilled professionals.

Industry-Oriented Opportunities

Internships and Collaborations

An internship and collaboration in a Forensic Science course with institutions like Group cyber ID Technology(GCID) Bangalore and ALIBI Trivandrum could provide students with hands-on, multidisciplinary experience.

Industry Engagement

Guest lectures by forensic experts, criminologists, and law enforcement professionals. Workshops and seminars on advanced forensic techniques such as chromatography, mass spectrometry, and cyber analysis.

Real-World Applications

Case-study-based projects, allowing students to analyze actual forensic cases. Mock crime scenes and simulations to provide hands-on investigative experience.

Why choose NICHE for this course?

Academic Excellence

NICHE offers a comprehensive curriculum designed to meet industry standards, integrating theoretical knowledge with practical skills.

2. Distinguished Faculty

Highly qualified faculties and industry experts who bring real-world insights into the classroom.

State-of-the-Art Facilities

Fully equipped forensic laboratories and access to the latest technology.

Industry Connections

NICHE has strong ties with law enforcement agencies, forensic labs, and corporate sectors, providing ample networking opportunities.

Placement Support

A dedicated placement cell assists students in securing internships and jobs in reputed organizations globally. Most of our students are placed in private forensic laboratories like Group cyber ID Technology(GCID) Bangalore and Forensic Biometric Investigation Services(FBIS) Chennai and also placed as cyber experts in various IT Companies in Techno Park, Info Park etc. The students also worked as a teaching professionals in various colleges universities

Teaching Methodology

Innovative Approaches

Use of AI tools and virtual labs to simulate forensic analysis.Focus on interdisciplinary learning, incorporating elements of law, biology, and IT.

Case Studies:

Real-world case studies are integrated into the curriculum to enhance analytical and critical thinking skills.

Hands-On Learning:

Extensive laboratory work, mock crime scene investigations, and field visits.Training in report writing and court testimony preparation.

LABORATORY FACILITIES

Key Instruments

Colorimeter

Comparison Microscope

UV Visible spectrophotometer

Stereomicroscopes

DNA Sequencer

Types of Tests Conducted

Toxicology Analysis: Detection of drugs, alcohol, and poisons.

DNA Profiling: Genetic analysis for identity verification.

Ballistics: Examination of firearms and ammunition.

Trace Evidence Analysis: Study of hair, fibers, and paint samples.

Cyber Forensics: Recovery and analysis of digital data.

NICHE stands out as a premier institution for B.Sc. in Forensic Science, offering a perfect blend of academic rigor, practical training, and industry engagement to prepare students for a thriving career in forensic science.

NAAC-A & NABH ACCREDITED INSTITUTION

NIMS

A unit of N.I. EDUCATIONAL TRUST

The Department of Allied Health Sciences in association with NIMS centre for Genomic Medicine has organised an International Conference on Upcoming Trends of Stem Cell Therapy in Pain Management at NIMS Medicity on 18th January 2025. The session was honoured by Dr. M V Pillai, Clinical Professor, Sydney Kimmel college of Thomas Jefferson University, USA and Dr. Sreejith, President, IMA Trivandrum. The plenary talks were given by Dr. Sairam Alturi, Founder Stem Cures, USA, Dr. Satish Khurana, Associate Professor, Indian Institute of Science Education and Research Trivandrum, Dr. Aravinthan Mammalan, Anesthesiology and Critical Care NIMS Medicity and Dr. Aneesh Nair, Principal Scientist, NIMS Centre for Genomic Medicine.

The inaugural session commenced with welcome address delivered by Dr. Manju Thampi, Medical Administrator, NIMS Medicity followed by the official inauguration of the session. The panelists of the Conference were Dr. Shafeeq Salim, Clinical Heamatologist and Hon Senior Lecturer, University of Birmingham, UK, Mr. M S Faizal Khan , Managing Director NIMS Medicity, Dr. Ansar Showkath Ali, Associate Professor, Anaesthesiology Government Medical College Trivandrum, Dr. Ansar A M, Anaesthesiologist and Pain Medicine Specialist, Dr. Lekshmi Mohan, Associate Professor, Physical Medicine and Rehabilitation Government Medical College Trivandrum, Dr. Lekshmi Nair, Consultant and Head Medical Genomics NIMS Medicity. Vote of Thanks was delivered by Dr. Arockia Selva Saroja, Head Department of Allied Health Sciences , NICHE.

B.Sc. HUMAN GENETICS AND MOLECULAR BIOLOGY

Evolution of the Field in the upcoming years

Human Genetics and Molecular Biology are dynamic and fast-evolving fields with vast potential. As new technologies and research methodologies emerge, they have the potential to revolutionize healthcare, medicine, agriculture, and biotechnology.

Key trends that will shape the future of this field include:

- Precision Medicine: With advancements in genetic testing and personalized treatments, there will be an increasing demand for professionals skilled in molecular diagnostics, gene therapies, and genetic counselling.
- Gene Editing and CRISPR Technology: CRISPR-Cas9 and related gene-editing technologies have huge potential in correcting genetic disorders, cancer research, and agriculture. Experts will be required to understand these tools and apply them in real-world scenarios.
- Pharmacogenomics: The use of genetic data to tailor drug therapies will grow significantly, leading to demand for molecular biologists with expertise in genomics.
- Big Data and Genomic Analysis: The integration of genomic data with artificial intelligence and machine learning will require experts who can analyze and interpret complex genetic data.

As the demand for expertise in these areas grows, job opportunities in academic, research, clinical, and industry settings will increase. With breakthroughs in biotechnology, healthcare, and diagnostics, the future for human genetics and molecular biology professionals looks highly promising.

Global Industry Scope and Opportunities

The global industry scope for human genetics and molecular biology professionals is vast. Some key areas include:

- Healthcare & Clinical Research: Research into genetic diseases, diagnostics, personalized medicine, and treatments will expand.
- Biotechnology and Pharmaceutical Companies: Innovations in drug development, gene therapies, and molecular diagnostics will require highly skilled professionals.
- Agriculture: Genetic modification of crops and livestock for improved traits (e.g., disease resistance, higher yields) will create jobs in agri genomics.
- Academia and Research Institutes: There will be continued demand for researchers in both basic and applied genetics research.
- Forensic Science: Genetic testing and analysis are increasingly used in forensic investigations, creating a niche for molecular biologists in law enforcement and criminal justice sectors.
- Regulatory and Policy: As genetic research becomes more pervasive, there will be a growing need for professionals in bioethics, regulation, and policy development.

Industry-Oriented Opportunities

Students pursuing a course in human genetics and molecular biology can benefit from various industry-oriented opportunities such as:

- Internships: Institutions offering this program often partner with biotech, pharmaceutical, and healthcare companies for hands-on learning. Internships in research labs, hospitals, or pharmaceutical companies can provide practical experience.
- Collaborations with Industry Professionals: Universities with strong industry connections offer students the chance to collaborate with researchers and professionals, attend workshops, seminars, and conferences, and participate in real-world applications of their studies.
- Capstone Projects & Industry-Focused Research: Many programs incorporate capstone projects or research with industry partners, enabling students to contribute to cutting-edge research in genetics and molecular biology.
- Job Placement and Networking: Students can build a strong network of industry contacts through events, alumni networks, and career fairs, increasing their chances of securing in their field.

Why Choose Human Genetics and Molecular Biology at NICHE for this course?

NICHE's Unique Approach to Human Genetics and Molecular Biology:

- Strong Industry Connections: NICHE has collaborations with leading biotech and pharmaceutical companies, offering students numerous opportunities for internships, research projects, and exposure to industry trends.
- Cutting-Edge Curriculum: The course is designed to stay ahead of industry needs, integrating modern techniques in genetic engineering, molecular diagnostics, and bioinformatics.
- Experienced Faculty: The program boasts a faculty with years of experience in genetics and molecular biology, both in academic research and industry settings.
- Laboratory Facilities: NICHE provides access to modern laboratories equipped with high-end equipment and tools used in genetic research and molecular analysis.

Why NICHE stands out?

- Research Opportunities: NICHE provides an encouraging environment for students to engage in research projects that can lead to publications and patents.
- Industry-Oriented Focus: NICHE focuses on bridging the gap between academia and industry, ensuring that students are well-prepared for real-world challenges and opportunities in the genetics and molecular biology sectors.
- Global Alumni Network: NICHE's extensive network of alumni placed in top research organizations, biotech companies, and healthcare institutions offers current students' valuable mentorship and career guidance.

Teaching Methodology

- Hands-on Learning: NICHE emphasizes practical, hands-on learning in laboratories, where students learn to work with real-world genetic and molecular tools.
- Interactive Lectures: The course includes a blend of lectures, discussions, and online resources, ensuring students grasp the theoretical foundations while engaging with current research.
- Collaborative Learning: Students are encouraged to work together on projects, case studies, and research activities, simulating the collaborative nature of the industry.
- Industry Integration: The curriculum includes guest lectures, seminars, and workshops from

industry experts, keeping students updated on the latest trends and challenges in the field.

Laboratory Facilities at NICHE

- NICHE offers state-of-the-art laboratory facilities that include the following devices:
- PCR Machines (Polymerase Chain Reaction) for DNA amplification.
- Gel Electrophoresis Apparatus for DNA separation and analysis.
- Flow Cytometer for cell analysis.
- Spectrophotometers for measuring the concentration and purity of nucleic acids.
- Real-Time PCR for quantitative gene expression analysis.
- High-Performance Liquid Chromatography (HPLC) for analyzing genetic material.
- Next-Generation Sequencers (NGS) for sequencing genomes.
- Western Blot Apparatus for protein detection.

Alumni Networks & Placements

NICHE has a strong alumni network that spans across various sectors, including:

- Biotech Companies (e.g., Biocon, Amgen)
- Pharmaceutical Companies (e.g., Pfizer, Roche)
- Research Institutes (e.g., NIH, IISc)
- Hospitals and Healthcare (e.g., Apollo, Medanta)

NICHE consistently achieves a high placement rate, with approximately 85-90% of students finding employment or further study opportunities within six months of graduation. Many alumni have gone on to secure top positions in global biotech firms, research institutes, and healthcare companies.

Top Recruiting Companies

Graduates of the Human Genetics and Molecular Biology program at NICHE are highly sought after by top companies and institutions in the following sectors:

- Biotechnology: Amgen, Biocon, Thermo Fisher Scientific
- Pharmaceutical: Pfizer, Merck, Johnson & Johnson
- Healthcare & Research: Apollo Hospitals, Medanta, Max Healthcare, SRI International
- Agriculture: Monsanto, DuPont Pioneer
- Environmental and Forensics: FBI, environmental consulting firms.

Join NICHE to pursue a transformative education in Human Genetics and Molecular Biology.

"At NICHE, we do not just study genetics; we unlock the mysteries of life itself, equipping our students with the knowledge to transform the future of science."

Join NICHE and be at the forefront of scientific discovery. Our Human Genetics and Molecular Biology program equips you with the knowledge, hands-on experience, and industry connections to shape the future of science and healthcare. Unlock your potential and make a lasting impact on the world.

PSYCHOLOGY

Field psychology is an exciting and rapidly evolving discipline with tremendous growth potential in both the national and international job markets. As awareness of mental health issues continues to rise globally, the demand for psychological expertise across a variety of sectors such as healthcare, education, corporate environments, and technology has surged. This demand is further amplified by global challenges, including the aftermath of the COVID-19 pandemic, economic stress and the growing use of digital mental health solutions. As a result, psychology is experiencing significant job growth, with an increasing number of vacancies, particularly in underserved regions. Specializations like clinical psychology, organizational psychology, counseling, and research are expected to see increased demand, presenting a wealth of opportunities for psychology professionals to enter the workforce.

On a global scale, psychology offers vast opportunities in areas such as cross- cultural psychology, global mental health advocacy, and roles within multinational corporations that require expertise in employee well-being. The integration of technology into psychological practices such as telehealth services and AI-driven therapy platforms opens up new avenues for innovation, research, and accessibility. Industry-oriented opportunities are rapidly growing in corporate wellness programs, data-driven psychological research, and digital mental health services, creating exciting roles for psychology graduates both in traditional settings and emerging fields.

NICHE offers a newly introduced psychology program that blends rigorous academic learning with practical, real-world experience. The program is designed to equip students with the knowledge, skills, and competencies required for success in this dynamic field. Students will have access to state-of-the-art lab facilities, providing hands-on experience in administering and interpreting a

wide variety of psychological tests. These essential practical skills ensure that students are well-prepared for careers in clinical practice, research, and other psychology-related fields.

Through our collaboration with NIMS Hospital in Thiruvananthapuram, NICHE students will have the opportunity to engage with professionals in clinical psychology and mental health care, gaining exposure to diverse psychological practices and therapies. The university's strong professional network across Kerala and Tamil Nadu also offers students the chance to attend workshops, secure internships, and engage in practical experiences in both clinical and organizational settings. These opportunities provide a unique learning environment that connects students with industry experts, expanding their knowledge and enhancing their career prospects.

The psychology program at NICHE University is designed to foster both academic excellence and personal growth. Students will learn from dedicated professionals with extensive experience in the field, who guide them through case studies, interactive workshops, and simulated clinical sessions. This hands-on approach ensures students develop a deep understanding of psychological theories and gain the practical skills necessary to excel in their chosen careers.

In addition to the core curriculum, NICHE University provides specialized training to help students prepare for competitive exams, enabling them to pursue higher education at leading national and international institutions. The university also promotes a vibrant campus life, offering extracurricular activities such as adventure sports, yoga, dance, and art. These activities provide students with opportunities to explore their personal interests, enhance their leadership skills, and contribute to a dynamic learning environment that fosters personal and academic growth.

The scope of psychology extends widely across both the government and private sectors, offering a range of career paths for graduates. In the government sector, psychologists are in demand for roles in public health, education, law enforcement, social services, and mental health programs. They can work in government-run hospitals, schools, research institutions, rehabilitation centers, and contribute to policy-making related to mental health, child welfare, and criminal justice. Psychologists are also sought after for roles in forensic psychology, crisis intervention, and employee well-being programs, especially within defense and public safety sectors.

In the private sector, psychology graduates can pursue careers in private practice, health consulting firms, and digital mental health platforms. In private practice, psychologists offer therapy, psychological assessments, and mental health support. Within corporations, organizational psychologists are instrumental in enhancing employee performance, improving workplace culture, and implementing wellness programs. The rise of digital health technologies has also opened up new opportunities in telemedicine, AI-driven mental health platforms, and virtual counseling, creating exciting prospects for psychology professionals in the private sector. Overall, the psychology field offers abundant opportunities for specialization and career growth in both government and private sectors. As the demand for mental health professionals continues to rise globally, psychology graduates from NICHE University will be well-positioned to pursue impactful careers across diverse industries, making meaningful contributions to mental health and well-being worldwide.

DEPARTMENT OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY (BASLP)

BACHELOR IN AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY (BASLP)

Scope of the course

Bachelor in Audiology and Speech Language Pathology (B. ASLP) is an emerging field and there is a diverse scope of practice for the graduates. The purpose of the B.ASLP program is to prepare students for successful career as an Audiologist and Speech-Language Pathologist. This program equips the student to effectively carryout the assessment and management of speech, language, swallowing, hearing and balance disorders across age.

B.ASLP opens up many career opportunities in healthcare, education, research and more. The demand for ASLP professionals is growing in India as well as abroad, ensuring ample job opportunities both in government and private sectors including hospitals, clinics, rehabilitation centres, schools, research institutions and educational institutions. Even an entrepreneurship is possible with this program that can help in catering diverse range of services to differently abled population.

BASLP is considered as a full-filling profession because the services provided by one, help an individual overcome their disability and challenges and witness their progress which can be incredibly rewarding.

Field-Oriented Opportunities

Students of B. ASLP program mainly acquire knowledge through their practical exposure to diverse differently abled population. Both academic and clinical knowledge of the students are nurtured from the very beginning of the course. They have various opportunities to engage in clinical settings and this is rooted through scheduled postings in different clinical setups. This four-year course includes internship of one academic year, where the students are posted in various reputed institutions, hospitals and clinical setups.

Why choose NICHE for this course?

The department of Audiology and Speech Language Pathology at NICHE, is offering B.ASLP program approved by the Rehabilitation Council of India. The curriculum framework for this

Prof. (Dr) M. K. C Nair
D.Sc., Phd, DCH, MD, M.Med.Sc, MA, MBA,
FIAP, FNNF, FIACAM
DIRECTOR NIMS SPECTRUM

program gives equal importance to academic and clinical activities. The department is furnished with fully functioning rehabilitation clinic that provides services to speech, language, communication, hearing, vestibular and swallowing disorders across age. The department provide innovative clinical teaching to the students in the form of case discussion, simulation of cases, group discussion and so on.

Students are trained by qualified professionals with valid RCI registration. All the faculties are dedicated and determined to provide quality education to the students. The department conducts regular camps and extension activities that are organised and coordinated along side of students. NICHE is the only college in south central Tamil Nadu that offers this program.

Teaching Methodology

ICT enabled teaching-learning are utilised for theory classes. For clinical teaching, students are divided into small groups where hands on experience with patients, case discussions, case simulations are provided.

The teaching methods:

- Audio-visual method supplemented with PPT, virtual learning, video lectures etc.
- Clinical demonstration, Case-based learning, expert interactions.
- Peer-assisted teaching, role play, seminars, small group discussions etc

Assessment:

- Semester based scheme
- Three internal theory examinations, two internal practical examinations and final university examination
- Clinical conference presentations and evaluation
- Students are evaluated for their clinical practicum and clinical performances.

LABORATORY FACILITIES

The department has a well equipped Audiology and Speech Language Pathology laboratory, where assessment and management of speech, language, vestibular, swallowing and hearing disorders are done.

Audiology Lab:

Instruments available

- Pure Tone Audiometer
- Immittance Audiometer
- Otoacoustic Emissions (OAE)
- Auditory Evoked Response Audiometer
- Vestibular Evoked Response Audiometer

Speech Lab:

Instruments available

- Dr SPEECH DIAGNO-THERAPY
- PRAAT
- VAGHMI Voice Diagnostic Software
- Electroglottograph (EGG)
- Spirometer
- Speech Trainer

Alumni Network:

The BASLP program was started in the year 2019 and two batches of students have successfully graduated till 2024. We have 34 members in our alumni network who are placed/ opted for higher studies in various reputed organizations across the world.

Placement Details:

Campus placement drives are held every year in the University and HR team from many reputed clinical organizations across the country participate for the same. We have a glorious 100% placement rate till date.

DEPARTMENT OF ARTS AND SCIENCE

DEPARTMENT OF
CHEMISTRY

COURSES OFFERED

- M.Sc. Chemistry
- M.Sc. Enviornment and Climate Change
- Ph.D. Chemistry

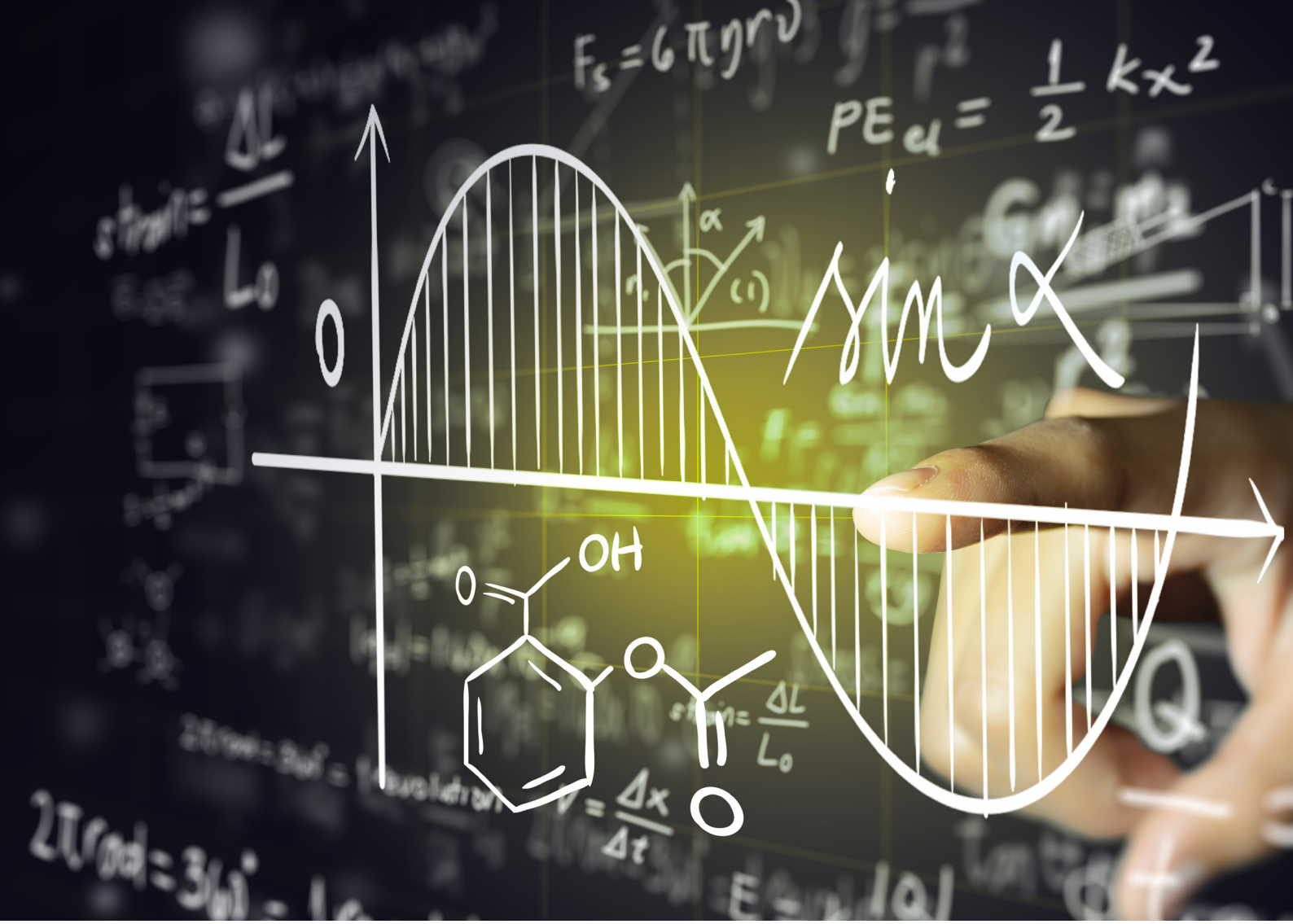
The Department of Chemistry is renowned for academic excellence, driven by well-qualified faculty members who are experts in diverse fields, dedicated to imparting knowledge and fostering innovation. The department's research accomplishments are a testament to its commitment to societal betterment, with patents granted for pioneering innovations such as a cutting-edge water purification device and advanced hydrogen production technologies from water. With a strong focus on addressing emerging global challenges, our faculty and students have consistently published high-impact research in internationally acclaimed journals, making significant contributions to areas like green chemistry, environmental sustainability, and advanced material sciences.

Students benefit from access to sophisticated laboratory facilities equipped with modern instrumentation and technologies, providing hands-on experience essential for mastering both theoretical and practical aspects of chemistry. Our curriculum integrates industry-based electives and value-added courses that align with the latest advancements and requirements in the chemical sciences, ensuring students are equipped with the skills to excel in a competitive job market. Additionally, we emphasize experiential learning through partnerships with leading organizations, enabling students to undertake internships at prestigious institutions like CSIR-NIIST and top pharmaceutical industries. These opportunities expose students to real-world applications of chemistry, bridging the gap between academia and industry.

Our graduates consistently achieve remarkable placement records, securing positions in reputed industries, government organizations, and research institutions. The department is proud to celebrate its alumni, many of whom have earned prestigious awards such as the DST INSPIRE Fellowship for doctoral studies, reflecting the high caliber of education and mentorship provided. Furthermore, the M.Sc. program in Environment and Climate Change equips students to tackle pressing global issues by integrating chemistry with environmental sciences, preparing them for impactful careers in sustainability and climate action.

The Department of Chemistry is committed to fostering a culture of academic rigor, innovation, and professional excellence. Join us for the academic year 2025-26 to explore transformative learning experiences, participate in ground breaking research, and embark on a rewarding journey toward achieving your academic and career aspirations. Let us inspire your future in chemistry and environmental science, preparing you to make meaningful contributions to science, technology, and society.

Let the Department of Chemistry be your gateway to a successful and fulfilling career in the ever-evolving field of Chemistry.



DEPARTMENT OF **MATHEMATICS**

Mathematicians play a critical role in advancng scientific understanding, leading to recognition and career opportunities. The Department of Mathematics has been in existence right from the inception of the Noorul Islam College of Engineering. The faculty are well qualified and experienced. NICHE boasts highly qualified and dedicated faculty members with expertise in various fields of mathematics, including pure, applied, and interdisciplinary domains. Ten of them are Ph.D. degree holders and four of them are Ph.D. with NET/SET qualified. Our faculty, Dr. M. Immaculate Mary, Dr.K.Uma Samundesvari, and Dr.P.B. Sarasija, authored six books.

COURSES OFFERED

- M.Sc. Mathematics
- Ph.D. Mathematics

Scope of the Course in the Upcoming Years

Graduates can pursue Ph.D. programs in pure or applied mathematics, leading to careers in academia or advanced research. Mathematics graduates are highly sought after in data science roles for expertise in statistics, algorithms, and problem-solving. With the rise of digital finance, mathematical skills are integral to cryptography and secure system designs. Mathematics knowledge is advantageous for exams like UPSC, GATE, and GRE, opening avenues in government services and technical fields. Founders with strong mathematical skills can create innovations in fintech, edtech, and tech-driven solutions. The demand for mathematicians is expected to grow as industries increasingly rely on data-driven and computational methods.

Why choose NICHE for this course?

- NICHE's campus provides a peaceful and inspiring environment conducive to focused learning and intellectual growth.
- The institution ensures access to modern facilities, including hostels, sports complexes, and medical services.
- It provides well-equipped classrooms, modern computing labs, and a library with extensive resources in mathematics and related fields.
- Tools like MATLAB, LaTeX, and other computational software are integrated into the curriculum to enhance analytical and practical skills.
- NICHE has strong ties with industry partners, ensuring students get internships and job placements in top organizations.
- The program includes workshops and training sessions focused on real-world applications, soft skills, and interview preparation.
- Students are motivated to contribute to international journals and conferences, enhancing their academic profiles.
- It ensures a supportive atmosphere with mentorship programs, counseling, and extracurricular activities to foster overall development.
- The campus hosts students from various backgrounds, creating a rich and inclusive environment.
- It offers scholarships for meritorious and financially deserving students.

Teaching Methodology

- Classes are highly engaging, with faculty encouraging active participation and discussions.
- Students work on projects that involve real-life applications of mathematical theories, such as data analysis, optimization, and cryptography.
- Classes incorporate tools like MATLAB, LaTeX, and Python for computational mathematics and data analysis.

- Faculty emphasize developing research capabilities by introducing students to mathematical modeling, advanced theorems, and proof techniques.
- Students are encouraged to publish papers in journals and present their research at conferences.
- Assessments include assignments, quizzes, projects, and regular tests to ensure consistent learning progress.
- Faculty provide detailed feedback to help students identify and improve their areas of weakness.
- Faculty members act as mentors, offering guidance in academics, research, and career planning.
- The Science Club, an integral part of the department, organizes the annual intercollegiate under graduate mathematics quiz competition and cultural festival.
- The Mathematical Literacy Program, conducted annually by students, benefits school-going children in neighbouring villages.
- Faculty members also provide NET/SLET coaching to students.

Thrust Areas in the field of Research

The department has remarkable academic and research environment to its credit. Graph Theory, Operations Research, Fuzzy Mathematics, Optimization Techniques, Stochastic Processes are the key focus areas. The faculty has published 212 research articles in SCI, SCOPUS, UGC approved and other refereed journals. Conferences, Seminars and Workshops are regularly organized by the department to enable the students and the faculties to come to grip with the latest trends in the field of Mathematics. The faculty of the department successfully completed three research projects sponsored by the DST-Government of India with a fund allocation of Rs. 56,37,600/-.

Alumni Network

- Our department maintains an active alumni association to foster regular interaction between graduates and the institution.
- Events like reunions, webinars, and conferences provide platforms for alumni to stay connected with the department.
- Some alumni contribute financially or provide sponsorships for department activities, scholarships, and research initiatives.
- Most of our alumni are working as Assistant Professors and teachers in various institutions.

DEPARTMENT OF **ENGLISH**

The Department of English came into existence with the establishment of the erstwhile Noorul Islam College of Engineering and became an integral part of Noorul Islam Centre for Higher Education with the conferment of university status on it by the Government of India in 2008. The Department teaches English Literature at the UG and PG levels and engages in research and guidance. The Department imparts English as a subject to the undergraduate students of Technology, Science, Commerce, Business Administration, Computer Applications, Allied Health Sciences, Aviation, Film Technology etc.

The Vision of the Department

To provide programs of the highest quality and promote advanced learning in Literature and areas of research, publication, creative work, and other professional activities to make students highly competent covering all skills at all levels of English.

The Department of English of Noorul Islam Centre for Higher Education is a vibrant academic community dedicated to the study and exploration of the English language, literature, and cultural studies. With a robust curriculum spanning undergraduate, postgraduate, and doctoral programs, the department seeks to cultivate critical thinking, creativity, and advanced research skills in students.

The Department of English covers areas of literature such as British Literature, American Literature, Literary Theory, Translation, New Literatures from many diverse nations of the world, Post-colonial Literature, Canadian Literature, Indian Writing in English and English Language Teaching (ELT) as core subjects. Non-literary subjects like Soft Skills, Journalism and Mass Communication and Neurolinguistic Programming (NLP) are also in the galore of literary studies to enrich the knowledge of the students in allied areas.

COURSES OFFERED

- B.A. English with Montessori Teaching (4 YEAR NEP 2020)
- M.A. English
- Ph.D. English

The Department of English aims to

- Promote critical and creative engagement with texts and contexts.
- Foster a spirit of inquiry and lifelong learning.
- Equip students with skills to excel in academia, the arts, and various professional domains.
- Contribute to societal understanding through the study of language, literature and culture.
- By offering a comprehensive group of programmes, the Department prepares students to become thought leaders in the fields of literature, language, and communication.

Key features include:

Core Curriculum: Courses on Classical and Modern Literature, Literary Theory, Critical Analysis, and Language Studies.

Research Opportunities: Training in research methodology leading to a capstone project.

Advanced Coursework: Modules on contemporary Literary Theory, and language studies and interdisciplinary approaches.

Electives: Specialized topics such Translation and Neuro Linguistic Programming (NLP).

Skill Development: Focus on analytical thinking, communication, and research writing.

Career Pathways: Preparation for careers in journalism, content creation, teaching, and further studies in English or related fields.

Interactive learning: Seminars, workshops, and conferences featuring renowned scholars and academic experts.

Focus Areas: Areas such as environmental humanities, digital humanities, and narrative studies

Career Opportunities: Preparation for academia, editing, policy analysis, and teaching profession Research areas include British Literature, American Literature, Canadian Literature, Indian Writing in English, Modern and Postmodern Literature, Postcolonial Studies, Women's Studies, Cultural Studies, Gender Studies, Eco-criticism, Eco-feminism, Dalit Literature, Subaltern Literature, Afro-American Literature, Fourth World Literature, ELT etc. and also encompass all genres of English Literature and all areas of language studies.

Expertise

The department has a diverse group of teaching staff with expertise in areas such as

- British and American Literature
- Postcolonial and world literatures
- Creative and professional writing

Faculty members are actively engaged in research and regularly publish in high-impact journals, fostering an intellectually stimulating environment for students.

Facilities and Resources

Library Access: A well-stocked library with physical and digital resources in literary and language studies.

Writing Support: Support for academic and creative writing, including workshops and one-on-one

DEPARTMENT OF **PHYSICS**

Scope of the course in the upcoming years

The demand for skilled Physicists continues to grow in various interdisciplinary and specialized domains due to the rapid advancements in science and technology. Physicists will be instrumental in developing quantum technologies, including quantum cryptography and computing. The increasing demand for expertise in quantum computing, renewable energy, and space exploration ensures that Physics professionals will remain vital contributors to global progress. Physics will contribute to solving global challenges like climate change through modeling and the development of sustainable energy solutions. Physics is an integral part of several interdisciplinary disciplines, motivating substantial growth in areas such as quantum technology, electronics, renewable energy, materials science, and space exploration. Opportunities are especially bright in areas like quantum computing, nanotechnology, medical physics, aerospace, defense, and energy sectors. A master's in Physics equips students to excel in competitive examinations, such as the Council of Scientific and Industrial Research National Eligibility Test (CSIR-NET), State Level Eligibility Test (SLET), and Graduate Aptitude Test in Engineering (GATE), thereby opening avenues for advanced studies and prestigious academic and research careers. Over the next decades, projections indicate a 15 to 20% increase in opportunities for Physicists, providing promising career prospects for graduates.

COURSES OFFERED

- M.Sc. Physics
- Ph.D. Physics

Industry-Oriented Opportunities

Physics education at NICHE creates numerous industry-oriented opportunities by fostering vital networks with professionals through internships, collaborative projects, and insightful guest lectures. The advanced curriculum prepares graduates for careers in both private (spacetech startups, research and development labs, and chip manufacturers) and public sector organizations, such as the Indian Space Research Organization (ISRO), Bhabha Atomic Research Centre (BARC), Defence Research and Development Organization (DRDO), Council for Scientific and Industrial Research (CSIR), and Oil and Natural Gas Corporation (ONGC). Furthermore, there is a substantial demand for skilled Physicists in the evolving research and development sectors of semiconductor technology, electronics, renewable energy, and optics. Opportunities also extend to higher education, enabling students to pursue doctoral and post-doctoral research in India and abroad.

Why choose NICHE for this course?

NICHE is a leading institution for pursuing various programs, including Physics, thanks to its state-of-the-art infrastructure, experienced faculty, and a strong academic curriculum. The university prioritizes research-driven learning and fosters a supportive academic environment to promote holistic development. NICHE offers extensive opportunities through its NICHE Defence Training Academy and NICHE Civil Services Academy, providing students with valuable training and career advancement prospects. Additionally, the university boasts several active clubs that engage students to enhance their skills in coding, natural science, and classic literature.

Furthermore, the recreational activities (film and music, adventure, cycling, dance, yoga, sports, green energy, eco club, and peace-building) give a full-fledged educational experience for the students.

Teaching Methodology

The teaching methodology at NICHE integrates traditional lectures with modern pedagogical approaches. The curriculum emphasizes experiential learning, enabling students to solve real-world problems through workshops, seminars, and interdisciplinary projects. Seminars, webinars, symposiums, and national and international conferences that provide interaction with eminent scientists and researchers enhance students' knowledge on the latest advancements in Physics.

Laboratory Facilities

NICHE has well-equipped laboratories to provide hands-on experience in advanced experimental Physics.

Alumni Network

The department of Physics has a vibrant alumni network, with graduates excelling in various sectors. Alumni hold prestigious roles, such as research scientists, senior medical Physicists, and academicians, serving as an inspiration for budding graduates and strengthening the department's legacy.

Placement Details

The placement record of the Department of Physics at NICHE is impressive, with an average placement rate of 85% over the years.

DEPARTMENT OF **COMPUTER APPLICATIONS**

The Department of Computer Applications at NICHE has been imparting instruction in computer applications with the most modern curriculum and syllabus to students of the post graduate course since 1994. It has succeeded in creating its own place of excellence among its counterparts in India. In fact, the department has been attracting bright students from all parts of the country for quality education in computer applications at the post graduate level.

The department's endeavour is to play a vital role in the applications of computers by promoting innovative work in software engineering, human-computer interaction, intelligent systems etc. It is committed to provide an exciting academic program to prepare students for the greatest challenges of the 21st century.

COURSES OFFERED

- Bachelor of Computer Applications (BCA)
- Master of Computer Applications (MCA)
- Ph.D. in Computer Applications

Scope of the BCA and MCA in the Upcoming Years

- The global IT industry is expanding rapidly, creating a steady demand for professionals with a strong foundation in computer applications, software development, and IT infrastructure.
- Fields like Cloud Computing, Artificial Intelligence, Data Analytics, and Cyber Security are particularly beneficial for BCA graduates.
- MCA graduates are well-positioned for these specialized roles due to their in-depth technical training.

Industry-Oriented Opportunities

After completing BCA, students can explore roles like:

- Software Developer
- System Analyst
- Web Developer
- Data Scientist
- Network Administrator
- IT Support Specialist
- Government organizations and multinational corporations also recruit BCA graduates for IT-related roles.
- Non-IT sectors like healthcare, education, and banking increasingly adopt digital tools, providing diverse opportunities for IT professionals in these industries.

As industries adopt advanced technologies, there is a high demand for MCA professionals with expertise in areas like:

- Data Science and Analytics
- Artificial Intelligence (AI) and Machine Learning (ML)
- Cyber security
- Cloud Computing
- Block chain

The rise of technologies such as Internet of Things (IoT), Augmented Reality (AR), Virtual Reality(VR), and 5G offers lucrative career opportunities for MCA graduates who specialize in these domains.

Why choose NICHE for BCA and MCA course?

- NICHE emphasizes a robust curriculum aligned with industry standards, offering astrong foundation in computer applications, programming, and IT concepts.
- Courses are regularly updated to include emerging technologies like AI, machine learning, and cloud computing.
- The institution boasts highly qualified and experienced faculty who bring a blend of academic knowledge and industry experience to the classroom.
- The BCA program includes hands-on training, workshops, and live projects to ensure students gain real-world experience in software development and IT solutions.
- NICHE has a strong placement cell with connections to top IT companies and start-ups, offering students excellent job opportunities upon graduation.
- Regular campus recruitment drives and career guidance sessions prepare students for competitive job markets.
- The university focuses on the all-round development of students through Steve Jobs Scholarship

programme. This programme train students and make them rich in:

- Soft skills
- Aptitude and reasoning Skill
- Technical skill
- Personality development
- Communication skills
- NICHE promotes a culture of research and innovation, encouraging students to participate in research projects, hackathons, and technical competitions.
- As a recognized institution, NICHE's degrees are valued globally, providing students with opportunities to pursue higher education or careers abroad.

Teaching Methodology

- Interactive Whiteboards/Smartboards: Allow instructors and students to write, draw, and interact with digital content.
- Projectors/Smart Screens: Display multimedia presentations, videos, and virtual lessons.
- Use frequent assessments and feedback to refine understanding.
- Wi-Fi Access: Seamless internet connectivity for real-time access to resources.

Laboratory Facilities

- The Computer Applications Lab is equipped with powerful processors and high-performance hardware, providing optimal support for demanding computing tasks and ensuring smooth operation for various applications.
- Computers have the facility to conduct online test and all practical sessions.
- High-speed internet connectivity with robust LAN/Wi-Fi setups.
- For teaching coding, software usage, or problem-solving in real time the smart boards are used.

Alumni Network

- NICHE has a vast alumni network, offering mentorship and guidance to current students for career advancement.
- Our Alumni Students are working at

o KPMG US, New Jersey

o JP Morgan chase, Florida, U.S.A

o Digital Accessibility Specialist, Reserve Bank of Australia

o Technical Lead, Allianz Technology pvt Ltd, Tvm

o Technical Lead, Infosys Limited

o Assistant Manager, Canara Bank, IIT CHENNAI BRANCH

Placement Details

- NICHE's placement cell has strong industry connections, providing students with access to job opportunities in top IT companies.
- NICHE Placement Cell conducts training programs in soft skills, interview preparation, and technical certifications.

the technology and engineering sectors like CTS, TCS, Infosys, Zoho, HCL, Banking sectors, Police department etc.,

DEPARTMENT OF **SOFTWARE ENGINEERING**

The Department of Software Engineering was established in 1999, with the mission to impart computer education to the students in the rural area of Kanyakumari district, so that they become enlightened and intelligent thereby improve their living standards.

Scope of the Course in the Upcoming Years

- B. Sc in Computer Science can lead to a wide range of career opportunities in the IT industry and beyond. The field of computer science is constantly evolving, and there is a growing demand for professionals with advanced technical expertise.
- As technology continues to advance at a rapid pace, the demand for computer science professionals is expected to remain high.
- B. Sc (Hon) AI with CAD Graduates will find opportunities in emerging fields like AI, ML, blockchain, and cyber security, and the rise of digital transformation across industries will only increase the scope for growth.
- Additionally, those who specialize further through higher education or certifications will have even more opportunities.

COURSES OFFERED

- B.Sc. Computer Science
- B.Sc. Artificial Intelligence with CAD Design (4 YEAR NEP 2020)
- M.Sc. Computer Science
- Ph.D. Computer Science

• The future for computer science graduates is bright, offering both well-paying jobs and the chance to work on innovative, impactful technologies.

Industry-Oriented Opportunities

• Industry-oriented opportunities for B.Sc. Computer Science & B. Sc (Hon) AI with CAD graduates are vast and cater to numerous sectors that are increasingly relying on technology for growth and innovation.

• Some of the key industry-oriented opportunities for B.Sc. Computer Science graduates are, Software Developer, Web Developer, Mobile App Developer, Frontend/Backend Developer, Full-Stack Developer, Data Analyst, Data Scientist, Data Engineer, Cybersecurity Analyst, Ethical Hacker Network Security Engineer, Cloud Engineer etc.,

• Some of the key industry-oriented opportunities for B. Sc (Hon) AI with CAD graduates are, Cloud Architect, IoT Developer, Embedded Systems Engineer, Robotics engineering, Graphic designer, etc.,

Why choose NICHE for this course?

• Choosing NICHE for B.Sc. Computer Science & B. Sc (Hon) AI with CAD provides a unique combination of quality education, industry-oriented skills, and real-world experience.

• The institution's emphasis on advanced infrastructure, practical learning, and strong placement support makes it a solid choice for students aiming to pursue a successful career in computer science.

• NICHE also offers research opportunities, entrepreneurial support, and global exposure.

Teaching Methodology

• The teaching methodologies at NICHE combine traditional classroom learning with modern, practical approaches that prepare students for the fast-evolving tech industry.

• NICHE incorporates hands-on learning, industry collaborations, and research opportunities to soft skills development and global exposure.

• NICHE focuses on both technical expertise and holistic student development. This makes the learning experience more engaging, practical, and aligned with the demands of the job market, ensuring that students are not only academically proficient but also industry-ready upon graduation.

Laboratory Facilities

• The laboratory facilities are designed to provide a robust, hands-on learning experience for students enrolled in the B.Sc. Computer Science program & B. Sc (Hon) AI with CAD.

• Labs focusing on areas like software development, networking, machine learning, cloud computing, cybersecurity, and IoT,

• Students have the opportunity to apply theoretical concepts in real-world scenarios.

• These facilities ensure that graduates are not only knowledgeable but also industry-ready, equipped with practical skills needed to excel in the rapidly evolving tech industry.

Alumni Network

• The Alumni Network plays a vital role in shaping the career and growth opportunities for current students.

• A strong alumni network offers numerous benefits, including career guidance, job placements, internships, and industry insights.

• Our Alumni were placed in some of the most reputed companies and organizations in

100% PLACEMENT ASSISTANCE

DEPARTMENT OF **PLACEMENT AND TRAINING**

The Placement and Training Department at NICHE is committed to equipping students with essential skills and career opportunities to ensure a smooth transition from academia to the professional world. Over the academic year 2023–24, this department has enhanced its offerings to cater to the dynamic needs of students, covering pre-placement training, career guidance, skill development, and facilitating placements across diverse industries. Here are some highlights of the department's key features:

Comprehensive Pre-Placement Training

The department organized multiple pre-placement training programs focused on interview skills, corporate readiness, and professional etiquette. These sessions aimed at boosting students' confidence and preparing them to excel in real-world corporate environments. Through activities on "Corporate Connect" and "Get Ready for the Corporate Environment," students gained exposure to soft skills, workplace professionalism, and adaptability in corporate settings.

Career Guidance and Industry Exposure

NICHE's placement team collaborated with industry experts to provide students with career guidance on various pathways, including overseas education, aerospace opportunities, and employability skills. Partnerships with organizations like Barclays brought additional employability skills training, which helped over 300 students enhance their readiness for diverse career paths. Special seminars, including "Exploring Brahmos Aerospace," offered students insights into niche sectors, promoting informed career choices aligned with current industry demands.

Internships and Industry Partnerships

To promote hands-on experience, NICHE facilitated numerous internships in renowned organizations, such as ISRO, NIMS Medicity, and Apollo Tyres, across sectors like healthcare, aerospace, and engineering. These internships offered students invaluable exposure to real-world scenarios, allowing them to build skills directly related to their career aspirations.

Placement Drives and Job Offers

The department organized 29 on-campus placement drives, bringing esteemed companies like Ashok Leyland, TCS, Tech Mahindra, and TVS Sundram Fasteners Ltd. to recruit students. These efforts resulted in 298 job offers with salary packages ranging from 1.8 to 6 LPA, and a mean salary of 3.5 LPA. An impressive 1.4 job offers per eligible student underscored the department's successful placement strategy and commitment to student employability.

Strong MOU Network

To bolster its industry network, NICHE signed several MOUs with leading organizations, including Pranaah Holistic Health Care Pvt. Ltd., OrisysIndia Foundation Ltd., and Brahmos Aerospace. These partnerships offer students exclusive access to training, internships, and research opportunities, bridging academic learning with industry requirements.

Achievements and Success Stories

A highlight of the department's achievements was the awarding of the Steve Jobs Scholarship to select students from engineering and computer applications programs, acknowledging their exceptional skills and commitment to personal and professional growth. This recognition reflects NICHE's focus on nurturing talent that stands out in competitive markets.

The Placement and Training Department at NICHE is dedicated to shaping industry-ready graduates who are equipped not only with technical expertise but also with the critical skills required to succeed in today's globalized job market. Through its tailored training programs, career guidance, strategic industry connections, and unwavering commitment to student success, NICHE empowers its students to confidently embark on their professional journeys.

Students who got placed in
2024 - 2025

	Name of student	Program graduated	Name of the employer
1.	Mohammed Zaheer	AI&DS	NCR ATLEOS - NCR Corporation India Pvt Ltd
2.	Muhammed Rashid	Auto	NCR ATLEOS - NCR Corporation India Pvt Ltd
3.	Sarika.S	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
4.	AdshyaShanu.J	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
5.	Varsha J.H	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
6.	RaghulBluson	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
7.	Sanu.T	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
8.	Mohamed Parvez	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
9.	Abishalin.J	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
10.	Ajimsha	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
11.	KarthikMadhu	CSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
12.	Sulaiman	ECE	NCR ATLEOS - NCR Corporation India Pvt Ltd
13.	Keerthi Krishna	ECE	NCR ATLEOS - NCR Corporation India Pvt Ltd
14.	Nazeel.N	EEE	NCR ATLEOS - NCR Corporation India Pvt Ltd
15.	Vishnu Vardhan	EEE	NCR ATLEOS - NCR Corporation India Pvt Ltd
16.	SreeRam.J	EEE	NCR ATLEOS - NCR Corporation India Pvt Ltd
17.	NitheeshVijay.M	EEE	NCR ATLEOS - NCR Corporation India Pvt Ltd
18.	Rejin.R	EIE	NCR ATLEOS - NCR Corporation India Pvt Ltd
19.	Alfred Jeevan.J.U	EIE	NCR ATLEOS - NCR Corporation India Pvt Ltd
20.	Siluvai James	EIE	NCR ATLEOS - NCR Corporation India Pvt Ltd
21.	Anand P.J	EIE	NCR ATLEOS - NCR Corporation India Pvt Ltd
22.	Abeshakya	EIE	NCR ATLEOS - NCR Corporation India Pvt Ltd
23.	Steve Anand.J	EIE	NCR ATLEOS - NCR Corporation India Pvt Ltd
24.	Athira.DC	EIE	NCR ATLEOS - NCR Corporation India Pvt Ltd
25.	Srinivasan	FTSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
26.	AbhinandChandran	FTSE	NCR ATLEOS - NCR Corporation India Pvt Ltd
27.	JoniyaJeener M.M	IT	NCR ATLEOS - NCR Corporation India Pvt Ltd
28.	Jenifer.J.E	IT	NCR ATLEOS - NCR Corporation India Pvt Ltd
29.	Sibin.S	IT	NCR ATLEOS - NCR Corporation India Pvt Ltd
30.	Shibinmon	IT	NCR ATLEOS - NCR Corporation India Pvt Ltd
31.	Sajin.S.S	IT	NCR ATLEOS - NCR Corporation India Pvt Ltd
32.	M.S.SreeVardhan	IT	NCR ATLEOS - NCR Corporation India Pvt Ltd
33.	Martin Jino	IT	NCR ATLEOS - NCR Corporation India Pvt Ltd
34.	Mathan.S	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
35.	Jerbin F Moses	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
36.	Arjun Sajeev	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
37.	Amal David	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
38.	Nimna S Sathar	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
39.	Akash.S	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
40.	Adithyan.S	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
41.	Asif R	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
42.	Adarsh B.S	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd

43.	Shanthini G.S	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
44.	Amrutha.A	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
45.	Veena V.S	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
46.	SowfikFazil	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
47.	Sri Harish.S	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
48.	Sivaram M.S	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
49.	T.Mini	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
50.	S.ReshmaAnana	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
51.	Hosea.K	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
52.	Donio.DS	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
53.	Jithu Mon.SA	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
54.	Dinesh Kumar	MCA	NCR ATLEOS - NCR Corporation India Pvt Ltd
55.	C.Retnasabapathy	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
56.	AshikShabeen	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
57.	SanthuSatheesh	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
58.	Pranav.TS	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
59.	Akash TR	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
60.	Sahin.S	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
61.	Suyash B Sapkal	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
62.	Maha Raja	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
63.	S.Jino	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
64.	R.S. Sreejith	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
65.	R.Joel Singh	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
66.	J.Leo Jothi	Mech	NCR ATLEOS - NCR Corporation India Pvt Ltd
67.	Shifna Wilfred	MCA	Vertical Solution
68.	ReshmeAnana.S	MCA	Vertical Solution
69.	Mini.T	MCA	Vertical Solution
70.	Shayasharmily	MCA	Vertical Solution
71.	Libi.VD	MCA	Vertical Solution
72.	Nanthini.s	MCA	Vertical Solution
73.	Sreethu.SS	MCA	Vertical Solution
74.	Varsha.S	MCA	Vertical Solution
75.	Vasuntharadevi.K	MCA	Vertical Solution
76.	Krishnaveni	MCA	Vertical Solution
77.	ShajithaShajahan	MCA	Vertical Solution
78.	Amrutha.A	MCA	Vertical Solution
79.	Veena.VS	MCA	Vertical Solution
80.	Amritha.S	MCA	Vertical Solution
81.	Shanthini.GS	MCA	Vertical Solution
82.	ShobaGnanadhas	MBA	Vertical Solution
83.	Ashifa.H	MBA	Vertical Solution
84.	AshmiRejo.AP	MBA	Vertical Solution
85.	Anudurga.M	MBA	Vertical Solution
86.	Dominic Anns.J	MBA	Vertical Solution
87.	Berla.V	MBA	Vertical Solution
88.	Haritha Sree.GS	MBA	Vertical Solution
89.	JeroseBhoni	MBA	Vertical Solution

90.	LekshmiPrabha	MBA	Vertical Solution
91.	Joniya Jeener.MM	IT	Vertical Solution
92.	Jenifer.JE	IT	Vertical Solution
93.	Mehek.S	CSE	Vertical Solution
94.	P.Aswini	B.Sc.CS	Vertical Solution
95.	N.Sabitha	B.Sc.CS	Vertical Solution
96.	M.Jenisha	MBA	Vertical Solution
97.	Athira.DC	EIE	Vertical Solution
98.	AmeenaFathima.S	Aero	Vertical Solution
99.	VrindaGirish	Aero	Vertical Solution
100.	Swasthy.S	Aero	Vertical Solution
101.	Arjun Sajeev	Mech	Ashok Leyland
102.	Veeraj V Gopal	Mech	Ashok Leyland
103.	Asif.R	Mech	Ashok Leyland
104.	Amal David	Mech	Ashok Leyland
105.	Subramani.SK	Mech	Ashok Leyland
106.	AniSabith.S	Mech	Ashok Leyland
107.	Sreejith.R.S	Mech	Ashok Leyland
108.	Joel Singh.R	Mech	Ashok Leyland
109.	Mathan.S	Mech	Ashok Leyland
110.	Gowtham	Mech	Ashok Leyland
111.	Mohammed Rashid	Auto	Ashok Leyland
112.	AhamedNoorulAmeen	Auto	Ashok Leyland
113.	Allan Nehemioh.DE	Auto	Ashok Leyland
114.	Adarsh S Kumar	Auto	Ashok Leyland
115.	Srinivasan	FTSE	Ashok Leyland
116.	BalaRajesh.I	FTSE	Ashok Leyland
117.	Magdalene V Thomas	Civil	Ashok Leyland
118.	Sooraj.MR	EEE	Ashok Leyland
119.	NitheeshVijay.M	EEE	Ashok Leyland
120.	DensilBevan.T	EEE	Ashok Leyland
121.	PravinKumar.M	EEE	Ashok Leyland
122.	M. Pravin Kumar	EEE	SiMAX Tech Pvt Ltd
123.	Keerthi Krishna S	ECE	SiMAX Tech Pvt Ltd
124.	Akshay Ravichandran	IT	PRJ Consulting PTY Ltd
125.	Abi Sam.E	Auto	Delphi TVS Technologies Ltd
126.	Allan Nehemiah D.E	Auto	Delphi TVS Technologies Ltd
127.	Abinesh A.J	Auto	Delphi TVS Technologies Ltd
128.	Abeshekgu.K	EIE	Delphi TVS Technologies Ltd
129.	Siluvai James Majoline	EIE	Delphi TVS Technologies Ltd
130.	Steve Anand .J	EIE	Delphi TVS Technologies Ltd
131.	Keerthi Krishna.S	ECE	Delphi TVS Technologies Ltd
132.	Pravin Kumar.M	EEE	Delphi TVS Technologies Ltd
133.	Sooraj H.R	EEE	Delphi TVS Technologies Ltd
134.	Densil Bevan.T	EEE	Delphi TVS Technologies Ltd
135.	Sree Ram.J	EEE	Delphi TVS Technologies Ltd
136.	Nitheesh Vijay.M	EEE	Delphi TVS Technologies Ltd

137.	Amal Joy	Mech	Delphi TVS Technologies Ltd
138.	Jerbin E Moses	Mech	Delphi TVS Technologies Ltd
139.	Maharaja.S	Mech	Delphi TVS Technologies Ltd
140.	Mathan.S	Mech	Delphi TVS Technologies Ltd
141.	Muhammed Afsal S.N	Mech	Delphi TVS Technologies Ltd
142.	Rahul.R	Mech	Delphi TVS Technologies Ltd
143.	Sam Daffrin.S	Mech	Delphi TVS Technologies Ltd
144.	Sreejith R.S	Mech	Delphi TVS Technologies Ltd
145.	Nimnas Sathar	Mech	Delphi TVS Technologies Ltd
146.	Santhu Satheesh	Mech	Delphi TVS Technologies Ltd
147.	Sivabalan.C	Mech	Delphi TVS Technologies Ltd
148.	Sriram.K	Mech	Delphi TVS Technologies Ltd
149.	Subramani. S.K	Mech	Delphi TVS Technologies Ltd
150.	Ani Sabinth.S	Mech	Delphi TVS Technologies Ltd
151.	Joel Singh.R	Mech	Delphi TVS Technologies Ltd
152.	Mathusudar.S	Mech	Delphi TVS Technologies Ltd
153.	Nithish Kumar.R	Mech	Delphi TVS Technologies Ltd
154.	Subin M.K	Mech	Delphi TVS Technologies Ltd
155.	Suyash B Supkal	Mech	Delphi TVS Technologies Ltd
156.	Andrew Velankanni.D	FTSE	Adani Enterprises Limited
157.	Mohamed Shuaib.S	FTSE	Adani Enterprises Limited
158.	Mohammed Naahid Hussain	Aero	VERTEX AVIATION Private Ltd
159.	Ashutosh Kumar Jha	Aero	VERTEX AVIATION Private Ltd
160.	Adithyan.S	Mech	Ashok Leyland
161.	Amal Joy	Mech	Ashok Leyland
162.	Akash.S	Mech	Ashok Leyland
163.	Nabeel Narshad	Mech	Ashok Leyland
164.	Sidharth S.S	EEE	Ashok Leyland
165.	Aadith B Roshin	Auto	Ashok Leyland
166.	Retna Sabapathy	Mech	Ashok Leyland
167.	Andrew Velankanni	FTSE	Ashok Leyland
168.	Vikram.P	FTSE	Ashok Leyland
169.	Bensin Sunu	Auto	JBM Auto Limited
170.	Mohammed Shehin H	Civil	JBM Auto Limited
171.	Amal S	Civil	JBM Auto Limited
172.	Sulaiman S	ECE	JBM Auto Limited
173.	Sidharth S S	EEE	JBM Auto Limited
174.	Sree Ram J	EEE	JBM Auto Limited
175.	Pravin Kumar M	EEE	JBM Auto Limited
176.	Densil Bevan T	EEE	JBM Auto Limited
177.	Babin B	EEE	JBM Auto Limited
178.	Nazeel.N	EEE	JBM Auto Limited
179.	Rejin R	EIE	JBM Auto Limited
180.	Anand P J	EIE	JBM Auto Limited
181.	Athira D C	EIE	JBM Auto Limited
182.	Siluvai James Majoline S	EIE	JBM Auto Limited
183.	Abhinand Chandran	FTSE	JBM Auto Limited

184.	Sharon R	FTSE	JBM Auto Limited
185.	Nijo V	FTSE	JBM Auto Limited
186.	Vikram P	FTSE	JBM Auto Limited
187.	Balarajesh I	FTSE	JBM Auto Limited
188.	Albin M Raju	FTSE	JBM Auto Limited
189.	Edwin Immanuvel Pauldurai A R	FTSE	JBM Auto Limited
190.	Nisanthsagar B	FTSE	JBM Auto Limited
191.	Libin. T	FTSE	JBM Auto Limited
192.	Anish Sabinth	Mech	JBM Auto Limited
193.	Maharaja S	Mech	JBM Auto Limited
194.	Subin M K	Mech	JBM Auto Limited
195.	Arjun Sajeev	Mech	JBM Auto Limited
196.	Muhammed Jaseel.S	Mech	JBM Auto Limited
197.	Mathu Sudar	Mech	JBM Auto Limited
198.	Sam Chandra Bose E	Mech	JBM Auto Limited
199.	Muhammed Deeniha.H	Mech	JBM Auto Limited
200.	Jino S	Mech	JBM Auto Limited
201.	Mathan S	Mech	JBM Auto Limited
202.	Adarsh B S	Mech	JBM Auto Limited
203.	Muhammed Minhas S	Mech	JBM Auto Limited
204.	Muhammed Afsal S N	Mech	JBM Auto Limited
205.	Asif R	Mech	JBM Auto Limited
206.	Jackin David J	Mech	JBM Auto Limited
207.	Amal David	Mech	JBM Auto Limited
208.	Retnasabapathy C	Mech	JBM Auto Limited
209.	Rathan S S	Mech	JBM Auto Limited
210.	Aden Benicnas S	Mech	JBM Auto Limited
211.	Veeraj V Gopal	Mech	JBM Auto Limited
212.	Akash S	Mech	JBM Auto Limited
213.	Gokul S.A	Mech	JBM Auto Limited
214.	Nimnas Sathar	Mech	JBM Auto Limited
215.	Nabeel Narshad	Mech	JBM Auto Limited
216.	Aswin C	Mech	JBM Auto Limited
217.	Siva P	Mech	JBM Auto Limited
218.	Joel P Saji	Mech	JBM Auto Limited
219.	Gautham J S	Mech	JBM Auto Limited
220.	Leo Jyothi	Mech	JBM Auto Limited
221.	Anudurga M	MBA	Ramachandran Retail Private Ltd
222.	Bibiana Sukirsha D J	MBA	Ramachandran Retail Private Ltd
223.	Dony Miraclin Y T	MBA	Ramachandran Retail Private Ltd
224.	Lekshmi Prabha R T	MBA	Ramachandran Retail Private Ltd
225.	Sudheesh Kumar S	MBA	Ramachandran Retail Private Ltd
226.	Aslin Beno A M	MBA	Ramachandran Retail Private Ltd
227.	Magdalene V Thomas	Civil	Bose Design Xpress Bim Pvt Ltd.,
228.	Godson R	Civil	Bose Design Xpress Bim Pvt Ltd.,
229	Amal B.S	Civil	Bose Design Xpress Bim Pvt Ltd.,
230	Mohammed Shehin H	Civil	Bose Design Xpress Bim Pvt Ltd.,
231	Adithyan.S	Mech	Topsides Engineering Consultancy - FZE (UAE)

232	Jino.S	Mech	Topsides Engineering Consultancy - FZE (UAE)
233	Jerbin E Moses	Mech	Topsides Engineering Consultancy - FZE (UAE)
234	Harise S.M	B.Sc.Cs	SART Pvt., Ltd., Nagercoil
235	Amrutha.A	MCA	SART Pvt., Ltd., Nagercoil
236	Muthu Satheesh.S	BCA	SART Pvt., Ltd., Nagercoil
237	Jeffrin.J	IT	SART Pvt., Ltd., Nagercoil
238	Berla	MBA	Topsides Engineering Consultancy - FZE (UAE)
239	Dony Miraclin Y.T	MBA	Topsides Engineering Consultancy - FZE (UAE)
240	Domnic Anns J	MBA	Topsides Engineering Consultancy - FZE (UAE)
241	Abdul Sukoor.M	MBA	Topsides Engineering Consultancy - FZE (UAE)
242	Aslin Beno. AM	MBA	Topsides Engineering Consultancy - FZE (UAE)
243	Haritha Sree	MBA	Topsides Engineering Consultancy - FZE (UAE)
244	Rajeesh R	Auto	TVS Sundaram Fasteners Limited , Chennai
245	Adarsh S Kumar	Auto	TVS Sundaram Fasteners Limited , Chennai
246	Aadith B Roshin	Auto	TVS Sundaram Fasteners Limited , Chennai
247	Akash.S	Mech	TVS Sundaram Fasteners Limited , Chennai
248	J.S .Goutham	Mech	TVS Sundaram Fasteners Limited , Chennai
249.	Nabeel Narshad	Mech	TVS Sundaram Fasteners Limited , Chennai
250	Adithyan.S	Mech	TVS Sundaram Fasteners Limited , Chennai
251	Arjun Sajeev	Mech	TVS Sundaram Fasteners Limited , Chennai
252	Nitheesh Vijay.M	EEE	TVS Sundaram Fasteners Limited , Chennai

2023-2024

Sl. No	Name of student placed	Department	Company Name
1.	Abdul Karim	Mechanical Engineering	Dinesh Engineering Industries
2.	Ahammad D	Mechanical Engineering	Dinesh Engineering Industries
3.	Muhammed Afi	Mechanical Engineering	Dinesh Engineering Industries
4.	Ajay Ramesh S	Mechanical Engineering	Dinesh Engineering Industries
5.	Deepak Shanu S G	Mechanical Engineering	Dinesh Engineering Industries
6.	Igin Rijo Justus	Mechanical Engineering	Dinesh Engineering Industries
7.	Jerfin Geo J	Mechanical Engineering	Dinesh Engineering Industries
8.	Muhammad Suhail H	Mechanical Engineering	Dinesh Engineering Industries
9.	Nishanth M	Mechanical Engineering	Dinesh Engineering Industries
10.	Shajan S	Mechanical Engineering	Dinesh Engineering Industries
11.	Suthanvaithya N	Mechanical Engineering	Dinesh Engineering Industries
12.	Antony Melvin A	Mechanical Engineering	Dinesh Engineering Industries
13.	BimalBiju	Mechanical Engineering	Dinesh Engineering Industries
14.	Praveen b	Mechanical Engineering	Dinesh Engineering Industries
15.	Ajith.A	Electrical and Electronics Engineering	Dinesh Engineering Industries
16.	Lingto.L	Electrical and Electronics Engineering	Dinesh Engineering Industries
17.	N Vasanth	Electronics and Communication Engineering	Dinesh Engineering Industries
18.	Manu Thomas Philip	Electronics and Communication Engineering	Dinesh Engineering Industries
19.	P Pravin	Electronics and Communication Engineering	Dinesh Engineering Industries
20.	Aswin Saji Kuriakose	Electrical and Electronics Engineering	JBM Auto Ltd
21.	M. Pravin	Electrical and Electronics Engineering	JBM Auto Ltd

22.	B. Thanga Saravana	Electrical and Electronics Engineering	JBM Auto Ltd
23.	L. Lingto	Electrical and Electronics Engineering	JBM Auto Ltd
24.	Kailas Krishna B	Fire Technology and Safety Engineering	JBM Auto Ltd
25.	U S. Aromal	Fire Technology and Safety Engineering	JBM Auto Ltd
26.	Anto Roy Chandra M	Fire Technology and Safety Engineering	JBM Auto Ltd
27.	Syed Rashid A	Fire Technology and Safety Engineering	JBM Auto Ltd
28.	Muhammed Hafis K M	Fire Technology and Safety Engineering	JBM Auto Ltd
29.	Anandhu K L	Mechanical Engineering	JBM Auto Ltd
30.	M. Jim Jeffry	Mechanical Engineering	JBM Auto Ltd
31.	Abil J	Mechanical Engineering	JBM Auto Ltd
32.	Govardhan A Nair	Mechanical Engineering	JBM Auto Ltd
33.	Sooraj Krishna R	Mechanical Engineering	JBM Auto Ltd
34.	Muhammed Aslam S	Mechanical Engineering	JBM Auto Ltd
35.	A. Sahaya Livingston	Mechanical Engineering	JBM Auto Ltd
36.	J. Allwin	Mechanical Engineering	JBM Auto Ltd
37.	A.Anees Xavier	Mechanical Engineering	JBM Auto Ltd
38.	J. Siva Prasad	Mechanical Engineering	JBM Auto Ltd
39.	Maria Venson Jeno M	Mechanical Engineering	JBM Auto Ltd
40.	Antony George Pemin.C	Mechanical Engineering	JBM Auto Ltd
41.	E.GuruVignesh	Mechanical Engineering	JBM Auto Ltd
42.	Mohamed Ismail Kan M	Mechanical Engineering	JBM Auto Ltd
43.	D. Venkidesh	Fire Technology and Safety Engineering	JBM Auto Ltd
44.	D. Thivan Oli	Mechanical Engineering	JBM Auto Ltd
45.	T. Ajai	Mechanical Engineering	JBM Auto Ltd
46.	M. Vishwa Rejin	Mechanical Engineering	JBM Auto Ltd
47.	Jayakrishnan R	Mechanical Engineering	JBM Auto Ltd
48.	Mackvin Kanish K	Electronics and Instrumentation	JBM Auto Ltd
49.	Joshua Roy S P	Electronics and Instrumentation	JBM Auto Ltd
50.	Prabhu	Mechanical Engineering	JBM Auto Ltd
51.	Anton Kaber S	Electronics and Instrumentation	JBM Auto Ltd
52.	A Ajith	Electrical and Electronics Engineering	JBM Auto Ltd
53.	V. Sahaya Debin	Mechanical Engineering	JBM Auto Ltd
54.	M.Collin Eric	Mechanical Engineering	JBM Auto Ltd
55.	S. Rano Rifith Roshan	Mechanical Engineering	JBM Auto Ltd
56.	S. Askino	Mechanical Engineering	JBM Auto Ltd
57.	Rohith.P.N	Automobile Engineering	JBM Auto Ltd
58.	AnishthlinNishith.S	Automobile Engineering	JBM Auto Ltd
59.	DoodyDevaram.R.K	Automobile Engineering	JBM Auto Ltd
60.	Godwin Roy.B	Automobile Engineering	JBM Auto Ltd
61.	Ajin. E	Electronics and Communication Engineering	Feather Softwares
62.	Nowfal Riffan A	Civil Engineering	Feather Softwares
63.	Satheesh	Mechanical Engineering	Ashok Leyland Pvt.Ltd
64.	K. Berbin	Mechanical Engineering	Ashok Leyland Pvt.Ltd
65.	P. Prabhu	Mechanical Engineering	Ashok Leyland Pvt.Ltd
66.	Ajai T	Mechanical Engineering	Ashok Leyland Pvt.Ltd
67.	Anandhu K L	Mechanical Engineering	Ashok Leyland Pvt.Ltd
68.	Akhil Thomas	Mechanical Engineering	Ashok Leyland Pvt.Ltd
69.	J. Siva Prasad	Mechanical Engineering	Ashok Leyland Pvt.Ltd
70.	M. Jim Jeffry	Mechanical Engineering	Ashok Leyland Pvt.Ltd

71.	M. Collin Eric	Mechanical Engineering	Ashok Leyland Pvt.Ltd
72.	Rohith.PN	Automobile Engineering	Ashok Leyland Pvt.Ltd
73.	T. Ajai	Mechanical Engineering	TVS Sundram Fasteners Ltd
74.	Anees Xavier A	Mechanical Engineering	TVS Sundram Fasteners Ltd
75.	M. Vishwa Rejin	Mechanical Engineering	TVS Sundram Fasteners Ltd
76.	Maria Venson Jeno M	Mechanical Engineering	TVS Sundram Fasteners Ltd
77.	M. Jim Jeffry	Mechanical Engineering	TVS Sundram Fasteners Ltd
78.	Guru Vignesh E	Mechanical Engineering	TVS Sundram Fasteners Ltd
79.	Mohammed PM	Mechanical Engineering	TVS Sundram Fasteners Ltd
80.	V. Sahaya Dibin	Mechanical Engineering	TVS Sundram Fasteners Ltd
81.	M. H. Mohamed Alameen	Mechanical Engineering	TVS Sundram Fasteners Ltd
82.	Govardhan A Nair	Mechanical Engineering	TVS Sundram Fasteners Ltd
83.	Jayakrishnan R	Mechanical Engineering	TVS Sundram Fasteners Ltd
84.	Rano Rifith Roshan S	Mechanical Engineering	TVS Sundram Fasteners Ltd
85.	Antony George Pemin C	Mechanical Engineering	TVS Sundram Fasteners Ltd
86.	J Siva Prasad	Mechanical Engineering	TVS Sundram Fasteners Ltd
87.	Mohammed Rashid D	Electronics and Communication Engineering	TVS Sundram Fasteners Ltd
88.	Aswin Saji Kuriakose	Electrical and Electronics Engineering	TVS Sundram Fasteners Ltd
89.	B Thanga Saravana	Electrical and Electronics Engineering	TVS Sundram Fasteners Ltd
90.	B Thanga Saravana	Electrical and Electronics Engineering	Kadamba Technologies PvtLtd
91.	Shaik Sameeruddin	Aeronautical Engineering	Kyungshin Industrial Motherson Ltd
92.	M. Asan Methap	Computer Science and Engineering	Kyungshin Industrial Motherson Ltd
93.	Ajin E	Electronics and Communication Engineering	Kyungshin Industrial Motherson Ltd
94.	Vasanth N	Electronics and Communication Engineering	Kyungshin Industrial Motherson Ltd
95.	Manu Thomas Philip	Electronics and Communication Engineering	Kyungshin Industrial Motherson Ltd
96.	Mohammed Rashid D	Electronics and Communication Engineering	Kyungshin Industrial Motherson Ltd
97.	M Pravin	Electrical and Electronics Engineering	Kyungshin Industrial Motherson Ltd
98.	Akhilesh Babu	Electrical and Electronics Engineering	Kyungshin Industrial Motherson Ltd
99.	Parvathy K S	Electrical and Electronics Engineering	Kyungshin Industrial Motherson Ltd
100.	Aswin Saji Kuriakose	Electrical and Electronics Engineering	Kyungshin Industrial Motherson Ltd
101.	I Scotlis	Electrical and Electronics Engineering	Kyungshin Industrial Motherson Ltd
102.	Collin Eric M	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
103.	Jayakrishnan R	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
104.	Krishnan E I	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
105.	Govardhan A Nair	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
106.	Afsal T R	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
107.	D Thivan Oli	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
108.	S Askino	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
109.	Muhammed Arif S	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
110.	Anandhu K L	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
111.	Nicson M	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
112.	A C Shaji Akash	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
113.	Rohith Venkatesh	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
114.	M. Jim Jeffry	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
115.	Ronaldo Godwin. G	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
116.	B. Gowtham	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
117.	Ajay CJ	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
118.	Ayun	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
119.	Shajan S	Mechanical Engineering	Kyungshin Industrial Motherson Ltd

120.	Ragunatha Sethupathi. G K	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
121.	Manish	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
122.	T.Michael Deepan	Mechanical Engineering	Kyungshin Industrial Motherson Ltd
123.	Kailash Krishna B	Electrical and Electronics Engineering	NIMS Medicity
124.	Anjana Stuart	Aero Space Engineering	Vertical Solutions (Foxconn HONHAI)
125.	Bhavana A Nainari	Aero Space Engineering	Vertical Solutions (Foxconn HONHAI)
126.	Anumandala Chaithanya	Aero Space Engineering	Vertical Solutions (Foxconn HONHAI)
127.	Kawsalya	Aero Space Engineering	Vertical Solutions (Foxconn HONHAI)
128.	L R Sneka	BBA	Vertical Solutions (Foxconn HONHAI)
129.	G Preethi	BBA	Vertical Solutions (Foxconn HONHAI)
130.	Nandhana	BBA	Vertical Solutions (Foxconn HONHAI)
131.	Sudhannya J	BBA	Vertical Solutions (Foxconn HONHAI)
132.	A B Shanah	BBA	Vertical Solutions (Foxconn HONHAI)
133.	Parvathy K S	Electrical and Electronics Engineering	Vertical Solutions (Foxconn HONHAI)
134.	Subhasri S	Information Technology	Vertical Solutions (Foxconn HONHAI)
135.	Vishalini J	Information Technology	Vertical Solutions (Foxconn HONHAI)
136.	Roshma A	MBA	Vertical Solutions(Foxconn HONHAI)
137.	Shema X	MBA	Vertical Solutions (Foxconn HONHAI)
138.	Jesibha J	MBA	Vertical Solutions (Foxconn HONHAI)
139.	Salvina V	MBA	Vertical Solutions (Foxconn HONHAI)
140.	Meenakshy L	MBA	Vertical Solutions (Foxconn HONHAI)
141.	Ponnu Lekshmi R S	MBA	Vertical Solutions (Foxconn HONHAI)
142.	Nanthana M	MBA	Vertical Solutions (Foxconn HONHAI)
143.	JiJi J B	MBA	Vertical Solutions (Foxconn HONHAI)
144.	SakthiPriya G	MBA	Vertical Solutions (Foxconn HONHAI)
145.	Akhina S R	MBA	Vertical Solutions (Foxconn HONHAI)
146.	Akshaya Sagina Banu A	MBA	Vertical Solutions (Foxconn HONHAI)
147.	Sobiya P	MBA	Vertical Solutions (Foxconn HONHAI)
148.	Lekshmi Achari K C	MBA	Vertical Solutions (Foxconn HONHAI)
149.	AnfalFathima M	MCA	Vertical Solutions (Foxconn HONHAI)
150.	A Bazeena	MCA	Vertical Solutions (Foxconn HONHAI)
151.	M Aswini	MCA	Vertical Solutions (Foxconn HONHAI)
152.	Siva Sakthi G	MCA	Vertical Solutions (Foxconn HONHAI)
153.	Suthi S	MCA	Vertical Solutions (Foxconn HONHAI)
154.	M Hasan Jazeera	MCA	Vertical Solutions (Foxconn HONHAI)
155.	Varsha V B	Physics	Vertical Solutions (Foxconn HONHAI)
156.	Y Arockia Navina	Physics	Vertical Solutions (Foxconn HONHAI)
157.	Jenani Devan L	Physics	Vertical Solutions (Foxconn HONHAI)
158.	Ashilin Jafi C	Physics	Vertical Solutions (Foxconn HONHAI)
159.	Parvathi M S	Physics	Vertical Solutions (Foxconn HONHAI)
160.	Sanju Sanjeev	MBA	Home First Finance Company
161.	S G Deepak Shanu	Mechanical Engineering	Petrostax LLC FZ
162.	M. Pravin	Electrical and Electronics Engineering	Petrostax LLC FZ
163.	Mohammed P M	Mechanical Engineering	Petrostax LLC FZ
164.	Sooraj Krishna R	Mechanical Engineering	Petrostax LLC FZ
165.	Shaik. Sameeruddin	Aeronautical Engineering	Petrostax LLC FZ
166.	Abin Dominic E J	Aerospace Engineering	Kun Aerospace Pvt Ltd

167.	AADITH RANGAN	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
168.	ABISHEK C	Aeronautical Engineering	Kun Aerospace Pvt Ltd
169.	ASWIN KRISHNA R	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
170.	NITHESH KANTA NAYAK	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
171.	SYED AHMAD ALI	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
172.	AUDUMBER	Aeronautical Engineering	Kun Aerospace Pvt Ltd
173.	TEJAS R YADAV	Aeronautical Engineering	Kun Aerospace Pvt Ltd
174.	RANJEETGOUDA KAGADAL	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
175.	PATRICK NIHIL VALAVAN A	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
176.	ABDUL AZEEZ R	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
177.	THAVASI P	Aerospace Engineering	Kun Aerospace Pvt Ltd
178.	ABHIMANYU R S	Aerospace Engineering	Kun Aerospace Pvt Ltd
179.	VAISHAK MP	Aeronautical Engineering	Kun Aerospace Pvt Ltd
180.	SHARON P	Aeronautical Engineering	Kun Aerospace Pvt Ltd
181.	VASANTHA SHYAM RAJ J	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
182.	MOHAMMED SUHAIL	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
183.	ALBIN SHAJU	Aerospace Engineering	Kun Aerospace Pvt Ltd
184.	SHIJITH K S	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
185.	NAVIN R	Aerospace Engineering	Kun Aerospace Pvt Ltd
186.	KISHORE SHIVA	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
187.	HYDIT NIKHIL J G	Aircraft Maintenance Engineering	Kun Aerospace Pvt Ltd
188.	Vineeth V.N	MCA	JM-Origin Technosoft Pvt Ltd
189.	Farhanah S	MCA	JM-Origin Technosoft Pvt Ltd
190.	Aswini M	MCA	JM-Origin Technosoft Pvt Ltd
191.	Esakkidurai M	MCA	JM-Origin Technosoft Pvt Ltd
192.	M Asan Methap.	Computer Science and Engineering	JM-Origin Technosoft Pvt Ltd
193.	Krithiya	Computer Science and Engineering	JM-Origin Technosoft Pvt Ltd
194.	K Naveen Kumar	Computer Science and Engineering	JM-Origin Technosoft Pvt Ltd
195.	Rishigesh V	Computer Science and Engineering	JM-Origin Technosoft Pvt Ltd
196.	Hareessh Kumar S	Computer Science and Engineering	JM-Origin Technosoft Pvt Ltd
197.	Vishalni J	Information Technology	JM-Origin Technosoft Pvt Ltd
198.	Subhasri S	Information Technology	JM-Origin Technosoft Pvt Ltd
199.	Sooraj Kumar S	Civil Engineering	Noah ARK Builders & Developers
200.	Muhammed Noufal	Civil Engineering	Noah ARK Builders & Developers
201.	Nowfal Riffan A	Civil Engineering	Noah ARK Builders & Developers
202.	Sneka L R	BBA	Noah ARK Builders & Developers
203.	Arun P V	BBA	Noah ARK Builders & Developers
204.	Ahamed Abbus A	BBA	Noah ARK Builders & Developers
205.	Aswin Jenitto V	B.Sc Computer Science	Noah ARK Builders & Developers
206.	Muhammed Bilal	B. Com	Noah ARK Builders & Developers
207.	PonSheha.R	B. Com	Noah ARK Builders & Developers
208.	Livin X	B. Com	Noah ARK Builders & Developers
209.	Vineeth V N	MCA	Tech Mahindra
210.	Muhammad Suhail H	Mechanical Engineering	Tech Mahindra
211.	Audumber	Aerospace	Tech Mahindra
212.	Anith J	Information Technology	Tech Mahindra
213.	Thivanoli D	Mechanical Engineering	Tech Mahindra

214.	T Ajai	Mechanical Engineering	Tech Mahindra
215.	Febin W G	Information Technology	Tech Mahindra
216.	Chandhru	Information Technology	Tech Mahindra
217.	M. Vishwa Rejin	Mechanical Engineering	Tech Mahindra
218.	Gopika. P. R	Biomedical Engineering	Tech Mahindra
219.	Anandhu K L	Mechanical Engineering	Tech Mahindra
220.	Naveen Kumar	Computer Science and Engineering	Tech Mahindra
221.	Mohammed Rashid D	Electronics and Communication Engineering	Tech Mahindra
222.	Nithin V N	Computer Science and Engineering	Tech Mahindra
223.	Md. Belal Ansari	Artificial Intelligence and Data Science	Tech Mahindra
224.	Afrith S	Information Technology	Tech Mahindra
225.	Sumith John S	Computer Science and Engineering	Tech Mahindra
226.	Sreeram N	Information Technology	Tech Mahindra
227.	Sudheer N	Automobile Engineering	Tech Mahindra
228.	Thanga Saravana	Electrical and Electronics Engineering	Tech Mahindra
229.	A. Bazeena	MCA	Tech Mahindra
230.	Nainari Bhavana	Aerospace Engineering	Tech Mahindra
231.	Anumandla Chaithanya	Aerospace Engineering	Tech Mahindra
232.	S. Sreeraj	Computer Science and Engineering	Tech Mahindra
233.	P S Akshai Prasad	Computer Science and Engineering	Tech Mahindra
234.	Akheesh John A S	Biomedical Engineering	HuRes Healthcare
235.	Gopika P R	Biomedical Engineering	HuRes Healthcare
236.	Mamathii U	Biomedical Engineering	HuRes Healthcare
237.	MubusiraAzeez	Biomedical Engineering	HuRes Healthcare
238.	ThoufiqueAssis	Biomedical Engineering	HuRes Healthcare
239.	Vibin K	Biomedical Engineering	HuRes Healthcare
240.	Girish Sharama V	Biomedical Engineering	HuRes Healthcare
241.	Fathima Salahudeen	BASLP	Mom's Belief (A Unit of Belief Pvt Ltd)
242.	Anzil N	BASLP	Mom's Belief (A Unit of Belief Pvt Ltd)
243.	Joshma Mariam Mathunny	BASLP	Mom's Belief (A Unit of Belief Pvt Ltd)
244.	Hessa Haseef	BASLP	Mom's Belief (A Unit of Belief Pvt Ltd)
245.	Amina J R	BASLP	Mom's Belief (A Unit of Belief Pvt Ltd)
246.	Reshma S	BASLP	Mom's Belief (A Unit of Belief Pvt Ltd)
247.	Fathima Salahudeen	BASLP	Sree's Rehabilitation Center
248.	Joshma Mariam Mathunny	BASLP	Sree's Rehabilitation Center
249.	Hessa Haseef	BASLP	Sree's Rehabilitation Center
250.	Amina J R	BASLP	Sree's Rehabilitation Center
251.	Reshma S	BASLP	Sree's Rehabilitation Center
252.	Jonah Arif Tarzan	MBA	Topsider Engineering Consultancy FZE
253.	R S Shalom Romario	MBA	Topsider Engineering Consultancy FZE
254.	Siva Prasad M	MBA	Topsider Engineering Consultancy FZE
255.	Thoyib S N	MBA	Topsider Engineering Consultancy FZE
256.	Jonah Arif Tarzan	Civil Engineering	Topsider Engineering Consultancy FZE
257.	Arul Sangeetha	MBA	Topsider Engineering Consultancy FZE
258.	Abdul Bariu	MBA	Topsider Engineering Consultancy FZE
259.	Nowfal Riffan A	Civil Engineering	Topsider Engineering Consultancy FZE
260.	Mohammed Aadil	Civil Engineering	Topsider Engineering Consultancy FZE

261.	Sooraj Kumar S	Civil Engineering	Topsider Engineering Consultancy FZE
262.	Sree Resmi	Civil Engineering	Topsider Engineering Consultancy FZE
263.	Ahmed Abbas	BBA	NIMS Medicity
264.	Sundara Devan	BBA	NIMS Medicity
265.	Leon Samuel S M	BBA	NIMS Medicity
266.	D. Pratheesh	B.com	NIMS Medicity
267.	Livin .X	B.com	NIMS Medicity
268.	Mohammed Sharibe	Information Technology	NIMS Medicity
269.	Fathimathu Suhara	MBA	NIMS Medicity
270.	Thoyib	MBA	NIMS Medicity
271.	Jiji J B	MBA	NIMS Medicity
272.	Jerom R S	MBA	NIMS Medicity
273.	IrineSaji R	MBA	NIMS Medicity
274.	Abin R	MBA	NIMS Medicity
275.	Alalif M B	MBA	NIMS Medicity
276.	Giftson R M	MBA	NIMS Medicity
277.	Anesh R	MBA	NIMS Medicity
278.	Sunil Stephen	Civil Engineering	Joana Builders
279.	Shiras S	Civil Engineering	Joana Builders
280.	Aashin V	Civil Engineering	Joana Builders
281.	A B Abesh Ragul	Civil Engineering	Joana Builders
282.	Nowfal Riffan A	Civil Engineering	Keechery Engineering Company
283.	Pratheesh K	Civil Engineering	Keechery Engineering Company
284.	Rajesh R	Civil Engineering	Keechery Engineering Company
285.	Gayathri	Civil Engineering	Breeze Constructions
286.	Ajith.A	Civil Engineering	Breeze Constructions
287.	Messiah Fathim	Civil Engineering	Breeze Constructions
288.	Siva	Civil Engineering	Breeze Constructions
289.	Ajin Jacob	Civil Engineering	Breeze Constructions
290.	Mohammed Aadil	Civil Engineering	Breeze Constructions
291.	Y Abinash	Civil Engineering	Breeze Constructions
292.	Dixith R V	Civil Engineering	Saba Builders
293.	Shargin D S	Civil Engineering	Saba Builders
294.	Sreesabarish M	Civil Engineering	Saba Builders
295.	Althaf S N	Civil Engineering	Saba Builders
296.	Anancio J C	Civil Engineering	Saba Builders
297.	Anish Mon A	Civil Engineering	Saba Builders
298.	Anistan Nixon	Civil Engineering	Saba Builders
299.	Athira S	Civil Engineering	Saba Builders
300.	Deon A Venis	Civil Engineering	Saba Builders
301.	Kripa S L	Civil Engineering	Saba Builders
302.	Lilin B	Civil Engineering	Saba Builders
303.	Mohamed Muneeb U	Civil Engineering	Saba Builders
304.	Sanjay K L	Civil Engineering	Saba Builders
305.	Sanoop P Hassan	Civil Engineering	Saba Builders
306.	Sourav R A Jino	Civil Engineering	Saba Builders
307.	Prathap P	Civil Engineering	Saba Builders
308.	Mollykutty Emmanuel	Civil Engineering	Saba Builders

SCHOLARSHIPS

50+ SCHOLARSHIP SCHEMES

AN INCREDIBLE ARRAY OF SCHOLARSHIPS!

Education is a fundamental right, and ensuring accessibility to quality education is crucial for the holistic development of any society. Recognising the financial constraints that students often face, various governmental and non-governmental organisations offer scholarships to alleviate the financial burden. Scholarships are provided by the Central Government, AICTE, UGC and State Governments. NICHE also contributes significantly to reduce the financial barriers to education. These initiatives not only support students in pursuing their academic aspirations but also contribute to the overall development of a knowledgeable and skilled society. It is essential for eligible students to explore and apply for these scholarships to unlock opportunities and realize their full academic potential.

In the academic year 2023-2024, an impressive 80% of eligible students have been granted the NICHE Scholarship, collectively receiving a substantial total amount of 6,019,000 rupees. This commendable initiative has not only contributed significantly to the academic pursuits of a vast majority of students but has also underscored the commitment to fostering educational accessibility and excellence within our academic community. The substantial financial support provided by the NICHE Scholarship Program reflects a dedication to empowering students and facilitating their educational journey toward success.

NICHE SCHOLARSHIPS

- Academic Excellence Scholarship
- NCC Cadet Scholarship
- Covid Crisis Relief Scholarship
- Differently Abled Students Support Scholarship
- Regional Scholarship (Kanyakumari District)

FINANCIAL AID AND SCHOLARSHIP OPPORTUNITIES
NICHE UNDERGRADUATE STUDENT SCHOLARSHIPS

FOR THE ACADEMIC YEAR 2025-26

ACADEMIC EXCELLENCE SCHOLARSHIP

To encourage and motivate students with outstanding academic records to continue their higher education, the Academic Excellence Scholarship has been instituted by NICHE.

• Students who have secured 90% or more marks in Plus two/ higher secondary will be eligible for a 30% scholarship of the tuition fee.

• Students who have secured 90% or more marks in the entrance examination conducted by NICHE will be eligible for a 30% scholarship of the tuition fee.

NCC CADET SCHOLARSHIP

To recognize, encourage, and motivate young NCC cadets, the NCC Cadet Scholarship has been introduced by NICHE, through which eligible cadets will receive a 10% scholarship in their tuition fee. Furthermore, such students will be eligible for 100% free coaching at the NICHE-Defence Training Academy at Noorul Islam Centre for Higher Education, which provides systematic and pragmatic training to budding engineering graduates of the University who aspire to become commissioned officers in the Indian Armed Forces.

COVID CRISIS RELIEF SCHOLARSHIP

The COVID-19 pandemic has affected thousands of students directly or indirectly, which prevents them from pursuing their higher education. COVID-19 Crisis Relief Scholarship has been instituted by NICHE to help out students going through tough times such as the death or loss of both parents and the loss of an earning parent, among others, thereby becoming unable to afford educational expenses.

• Students who have lost both their parents due to COVID-19 will be eligible for a 100 % scholarship of their tuition fee.

• Students who have lost one of their parents will be eligible for a 50% scholarship of the tuition fee.

DIFFERENTLY ABLED STUDENTS SUPPORT SCHOLARSHIP

The Differently Abled Students Support Scholarship has been introduced by NICHE to provide such students with an opportunity to pursue higher education.

• Students who have more than 40% disability will be eligible for a 25% scholarship of the tuition fee.

• The son/daughter of a person with a disability will be provided with a 15% scholarship for the

tuition fee.

REGIONAL SCHOLARSHIP (KANYAKUMARI DISTRICT)

To recognize, entertain, and support regional students in pursuing higher education, NICHE has introduced the Regional Scholarship, whereby all students hailing from the district of Kanyakumari will be eligible for a 10% scholarship of the tuition fee.

NICHE POSTGRADUATE STUDENT SCHOLARSHIPS
FOR THE ACADEMIC YEAR 2025-26

ACADEMIC EXCELLENCE SCHOLARSHIP

To encourage and motivate students with outstanding academic records to continue their higher education, the Academic Excellence Scholarship has been instituted by NICHE.

• Students who have secured 90% or more marks in UG level will be eligible for a 10% scholarship of the tuition fee.

• Students who have secured 90% or more marks in the entrance examination conducted by NICHE will be eligible for a 10% scholarship of the tuition fee.

• Students who have secured 80% or more marks in UG will be eligible for a 5% scholarship on the tuition fee.

• Students who have secured 80% or more marks in the entrance examination conducted by NICHE will be eligible for a 5% scholarship of the tuition fee.

NCC CADET SCHOLARSHIP

To recognize, encourage, and motivate the young NCC cadets, the NCC Cadet Scholarship has been introduced by NICHE, through which eligible cadets will receive a 5% scholarship on their tuition fee. Furthermore, such students will be eligible for 100% free coaching at the NICHE-Defence Training Academy at Noorul Islam Centre for Higher Education, which provides systematic and pragmatic training to budding engineering graduates of the University who aspire to become commissioned officers in the Indian Armed Forces.

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To recognize, entertain, and support the regional students in pursuing higher education, NICHE has introduced the Regional Scholarship, whereby all students hailing from the district of Kanyakumari will be eligible for a 10% scholarship on the tuition fee.

CENTRAL GOVERNMENT SCHOLARSHIPS

- Department of Empowerment of Persons with Disabilities
- Ministry of Minority Affairs
- Ministry of Social Justice & Empowerment
- Ministry of Labour & Employment
- Ministry of Tribal Affairs
- Department of Higher Education
- WARB, Ministry of Home Affairs
- RPF/RPSF, Ministry of Railway
- North Eastern Council (NEC), DoNER

UGC SCHOLARSHIPS

- Ishan Uday - Special Scholarship Scheme for North Eastern Region
- National Scholarship for Post Graduate Studies

AICTE SCHOLARSHIPS

- Pragati Scholarship Scheme for girl students
- Pragati Scholarship Scheme for girl students
- Sakshma Scholarship Scheme for Specially-Abled Student
- Sakshma Scholarship Scheme for Specially-Abled Student
- AICTE – SWANATH Scholarship Scheme
- AICTE – SWANATH Scholarship Scheme

TAMIL NADU GOVERNMENT SCHOLARSHIPS

- Commissionerate for Welfare of Differently-Abled
- Directorate of Collegiate Education
- Department of Backward Classes and Most Backward Classes and Minority Welfare

RESEARCH

Empowering Students through Cutting-Edge Research and Unleashing Their Potential

NICHE stands at the forefront of research, driven by a profound understanding of its paramount significance. We provide students with a gateway to invaluable hands-on experience and the opportunity to explore the vast landscape within their chosen fields. Engaging in research equips students with essential skills, boosts their confidence, and cultivates a competitive edge as they prepare to enter the professional realm. Through research, they acquire practical knowledge, develop problem-solving abilities, and hone critical thinking skills to tackle real-world challenges with tenacity and expertise. We recognize that research is not only a catalyst for personal growth but also societal progress. By fostering a research-centric environment, we empower our students to become leaders in their respective fields, making impactful contributions that shape the future and positively influence the world around them.

DEVELOPING HERBAL ANTIDOTES WITH NANOTECHNOLOGY

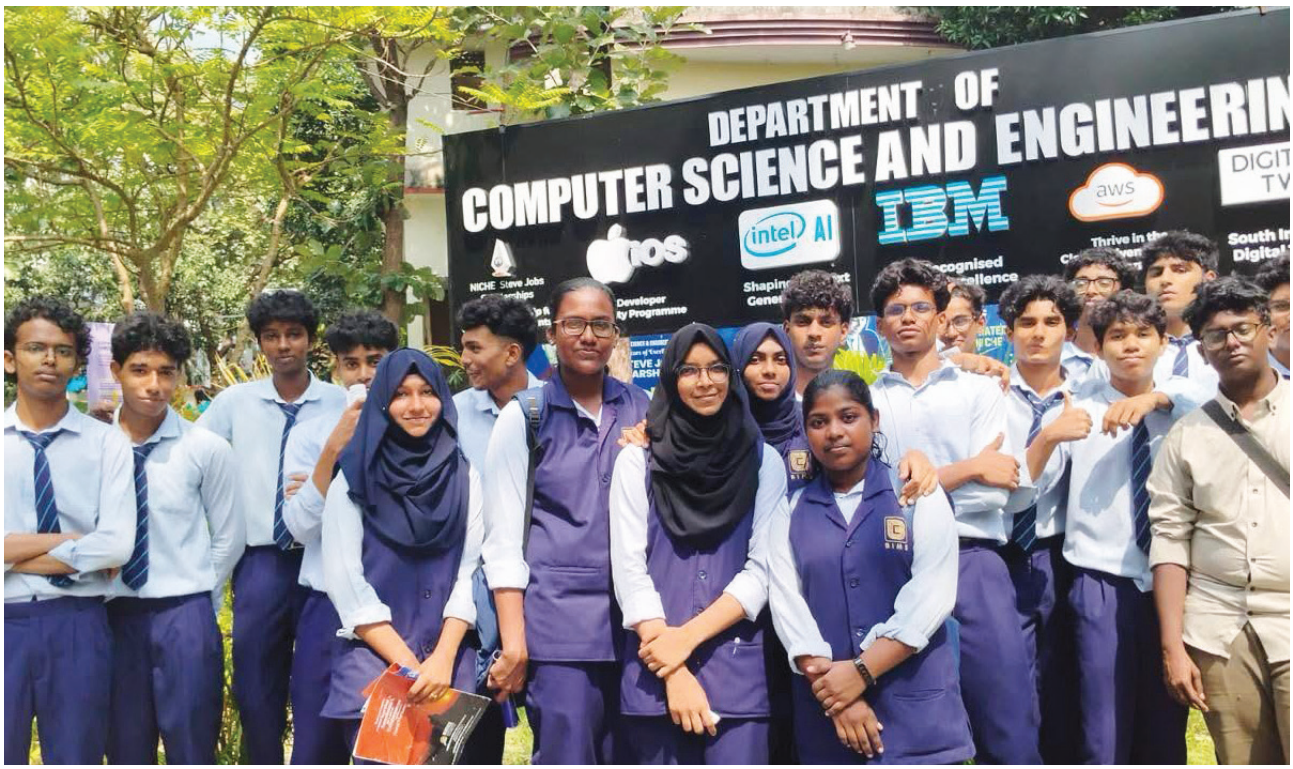
NICHE gets Rs. 1.16 crore Research Grant

The fight against snakebite gets a natural boost! The Department of Science and Technology, Government of India, has awarded a Rs. 1,16,70,000 grant to the Department of Nanotechnology at NICHE. This two-year project, led by Dr. Praseetha P.K., aims to develop nano-material based antidotes derived from traditional herbal medicines.

The project, titled "Scientific aspects on the role of traditional Phyto medicines in the management of snake bites by ethnic tribal population in Tamil Nadu - A promising herbal validation," seeks to harness the wisdom of ancient tribal knowledge and combine it with cutting-edge nanotechnology. This innovative approach will explore the potential of herbal remedies to combat snake venom effectively.

EMPOWERING STUDENTS WITH A VISION FOR THE FUTURE

UNIVERSITY SCHOOL CONNECT PROGRAMME



In the academic year 2022-2023, NICHE launched the School Connect Program, designed to provide school students from Tamil Nadu and Kerala with an exceptional opportunity for growth. This pioneering program offers exposure to advanced courses in Engineering, Management, Arts and Sciences, and Allied Health Sciences. Through NICHE School Connect, students gain valuable insights, develop skills, and explore diverse career paths. With a strong focus on career guidance, this program equips students to make informed decisions about their future after higher secondary education.


NOORUL ISLAM
UNIVERSITY

The School Connect Program, since its inception, has garnered an outstanding response from students in Tamil Nadu and Kerala, granting them exclusive access to NICHE's prestigious campus, cutting-edge laboratories, and diverse departments. With a primary goal of enriching students' understanding of potential career paths after completing higher secondary education, NICHE expanded its career guidance sessions to multiple locations, providing invaluable insights into a vast array of potential opportunities. These sessions provided valuable insights into the diverse array of career opportunities available to students.

The NICHE School Connect Program has proven to be an effective platform for empowering school students with knowledge, exposure, and guidance to navigate their academic and career journeys. With the continued support and participation of students, educators, and stakeholders, this program holds the potential to positively impact the educational and career trajectories of countless students in the region. Together, we can shape a brighter future and empower the next generation of leaders and innovators.

An interactive session with the female officials and young professionals of UGC by Dr. Tessy Thomas, Vice Chancellor, NICHE at UGC, New Delhi.

DEPARTMENT OF PHYSICAL EDUCATION

Department of Physical Education

At NICHE, we believe that sports are more than just about victories or defeats. We emphasize the importance of sportsmanship, teamwork, and maintaining a healthy competitive spirit. Become a part of our diverse teams, take part in intra-college tournaments, and challenge yourself in intercollegiate competitions. Our experienced coaches and trainers are here to guide you, motivate you, and help you reach your athletic potential. Additionally, as a University Player, you will have exclusive access to enhanced sporting opportunities, advanced study options, and scholarships that are not available to regular college students.

NICHE achieved a remarkable victory at the 10th National Karate Championship held on January 7, 2024, at AVR Institution & Shitoryu Karate Do in Karnataka, securing an impressive total of 34 medals.

In volleyball, our men's team showcased exceptional talent in both state and district-level tournaments. At the state level, the team emerged as the first runner-up at Kadayam (Tenkasi District) and secured second runner-up positions at Velankanni (Nagapattinam District) and Kalugumalai (Tenkasi District). At the district level, the team claimed victory in the CM Trophy Championship and the District Championship, both held at Anna Stadium, Nagercoil. Additionally, they secured the first runner-up position at the Sundapattivilai Tournament and second runner-up positions at the Mugilanvilai, Marthandam, and Melpalai tournaments.

The women's volleyball team also delivered an outstanding performance. At the state level, they secured first runner-up positions at the Boothapandi Tournament, Valliyur (Tirunelveli District), and Kanavur Tournament. At the district level, they triumphed as winners in both the CM Trophy Championship and the District Championship held at Anna Stadium, Nagercoil.

In kabaddi, the men's team achieved notable success. At the state level, they secured 7th position at Kannakurichri. At the district level, they emerged as the first runner-up at the Vavubali Kuxhithurai Tournament and achieved third positions at both the CM Trophy Championship held at Anna Stadium, Nagercoil, and the Kattaditattu Tournament.

Our athletes have consistently demonstrated exceptional skill, dedication, and sportsmanship, earning well-deserved recognition at various state and district-level competitions.

Beyond the competition
NICHE Shines Bright: 80 Medals, 17 Gold, in the past two academic years and the journey continues.

At NICHE, sports are about more than just winning and losing. We foster sportsmanship, camaraderie, and a healthy competitive spirit. Join our diverse teams, participate in intra-college tournaments, and even compete in intercollegiate events. Our dedicated coaches and trainers will guide you, push you to your limits, and help you achieve your athletic goals. Moreover, as a University Player, you will get added advantages in sporting opportunities, higher studies, and scholarships, compared to a college student.


NICHE


NICHE
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VIDEO AND EDITING
NICHE

NICHE - CLUBS

“Explore the horizon with a new vision” to nicheians

GREEN ENERGY AND ECO CLUB

The Green energy and Eco club is constituted in our campus with a self-imposed team of faculties and students under the theme to educate youth about environmental issues, nurturing green consciousness among them. The club helps to understand and solve the environmental issues fostering a more sustainable and eco-friendly future for generations to come.

Objectives

• To create a positive impact on the environment while fostering a culture of environmental responsibility among students through eco-friendly practices like hands-on activities, educational programs, local community outreach programs and awareness campaigns.

• To promote renewable energy awareness by increasing the knowledge and understanding of renewable energy sources like solar, wind, hydroelectric power etc., The club aims to showcase how these energy sources can be effectively utilized for a sustainable future.

Activities under this Green energy and Eco club:

• Organizing and participating in tree planting events to increase green cover and reduce deforestation.

• Implementing and managing recycling initiatives within communities to reduce waste and promote reuse.

• Organizing environmental clean-up campaigns for beaches, ponds, parks, or other natural areas to remove litter and restore ecosystems.

• Conducting educational workshops, seminars on environmental issues, guest lectures, quiz, field visits, etc to motivate and create awareness among the students on sustainable living and conservation.

• Organizing campaigns against pollution programs addressing issues such as plastic pollution, air pollution, or water contamination.

• Promoting green building practices and sustainability certifications for conservation of natural resources.

• Creating awareness among the people about the need of environment protection.

• Using wisely the engineering and technology to protect and not to harm the environment.

• The club also provides the students with the knowledge about alternate energy trends and information regarding renewable energy resources.

Outcomes:

Increased awareness and knowledge: Members will gain a deeper understanding of renewable energy technologies, environmental challenges, and how to adopt sustainable practices both in their personal lives and within their communities.

2. Environmental impact: Through tree planting, waste reduction initiatives, and energy-saving projects, the club will contribute to local environmental restoration, carbon footprint reduction, and improved ecological health.

3. Community engagement: By actively participating in club events and activities, the students will foster greater collaboration between local individuals in advancing eco-friendly initiatives.

4. Adoption of green technologies: The club students will adopt energy-efficient practices, and sustainable technologies in their households and workspaces.

5. Long-term sustainability culture: The club will instill a long-term commitment to sustainable practices, encouraging the next generation of students and citizens to take responsibility for creating a greener, more sustainable future.

By engaging in these activities, the Green energy and Eco club of NICHE empower individuals and communities to take action towards reducing the carbon footprint and preserving natural resources, creating significant positive impacts on fostering sustainability and environmental friendliness in society.

GANDHIAN PEACE FORUM AND STUDY CENTRE

Objectives:

- To organize developmental Programmes in Human Resource Development, Social welfare, women and child development, Education, Health Environment, Science Technology, Tourism Promotion etc.,
- Understanding the society and encouraging new ideas/dialogues through 'Social Observatory Initiative'.
- Conducting awareness course in Gandhian Studies and Sustainable Development.
- Organizing Ramdhun Bhajans and interfaith prayers on Gandhi Jayanti and 'Gandhi Jayanti Lectures' every year.
- Thinking about the zero budget initiatives and low-cost initiatives as per the Gandhian Ideals for organizing activities without causing any financial burden upon the stakeholders.

Activities

Swachhata Hi Seva Activity: The activities that are organised in the Nayattinkara bus stand and bus depot on 8-10-2024. In the presence of Neyaattingkara Municipality and KSRTC officials with students of Noorul Islam Centre for Higher Education.

Plastic Pollution Awareness Program: Plastic pollution is a growing global concern with far-reaching implications for the environment and human health. Single-use plastics, improper disposal methods, and inadequate recycling practices have led to the accumulation of plastic waste in our oceans, landscapes, and ecosystems. To combat this issue, an awareness programme was initiated by Gandhian Peace Club to inform and mobilize the students of Noorul Islam Centre for Higher Education, Kumaracoil by promoting REDUCTION of single use plastics on the grassroots level on 17-10-2024

United Nation Day: UN Day, celebrated every year, offers the opportunity to amplify our common agenda and reaffirm the purposes and principles of the UN Charter that have guided us for the past 79 years. In remeberence of this day Dr.H.Vennila delivered the significance of United Nation Day and conducted Quiz competition for the students

International Day of Preventing the Exploitation of the Environment in War and Armed Conflict: In remembrance of this day Dr.H.Vennila delivered the significance of International Day of Preventing the Exploitation of the Environment in War and Armed Conflict and conducted Quiz competition for the students.

THE MUSIC CLUB

The Music Club of NICHE was founded in the academic year 2023-24 as an exclusive committee for Music. The main purpose is to unite and enhance the Music talent among the students encouraging them to actively participating in various music-based events conducted within and outside the campus. The students can showcase their talents in singing and playing various instruments as vocalists and instrumentalists respectively.

NIMS Night 2023

- An active participation in Group singing competition in NIMS NIGHT competition events on 9th August, 2023 at Neyyar Mela, Neyyatinkara.

Kalasrishti - 2024

- An active participation in both Solo and Group singing competitions in Ayyappa College of Arts and Science for Women, Chunkankadai on 6th and 7th of March, 2024.
- Nourin N S secured second prize and Nada Fathima secured third prize in Solo singing competition.
- NICHE team secured third prize in Group singing competition.

Cultural Fest - 2024

The Music Club of NICHE conducted both Singing and Instrumental Competitions for the University students on 4th March, 2024 on behalf of Culture Fest – 2024. More than 25 students participated in both solo and group competitive events. Competitions are categorised as follows

Singing Competitions:-

- Light Music Solo
  - o without music
- Classical Vocal Solo
  - o Carnatic, Hindustani or any
- Folk Song Group
  - o 5 to 8 members can be in a group
- Western Song Group
  - o 5 to 8 members can be in a group

Instrumental Competitions:-

- Percussion (Tabla, Rhythm Pad, Mridangam, Thavil, Chenda, Drum, Ghatam, Dhol etc.)
- Wind (Flute, Saxophone, Nathaswaram, Clarinet, Trumpet etc.)
- Strings (Violin, Guitar, Sitar, Tanpura, Veena etc.)
- Keys (Piano, Keyboard, Accordion, Melodica, Harmonium etc.)
- Winners were encouraged with prizes.

  Solo Song

  Group Song

  Keyboard Instrumental

RUS_SVET, Moscow, Russia

One of our students Mr. Godson R., of Final Year, Department of Civil Engineering had been selected by the Russian Consulate to participate in the International Festival of Modern Ethnic Culture, "RUS_SVET" in Moscow, Russia on 6th August, 2024.

Vayalar Ramavarma Anusmaranam

The members of NICHE Music Club had a Group Song and Keyboard Instrumental performances as a tribute to Vayalar Ramavarma, an Indian poet and lyricist of Malayalam language in the Vayalar Ramavarma Anusmaranam on 24th October, 2024 at Thiruvananthapuram

MAR Symphony 2K24

The NICHE Music Club members had an active participation in the Christmas Carol Singing Competition conducted by Mar Ephraem College of Engineering and Technology, Elavuvilai, Kanyakumari District on 23rd November, 2024

TOURISM AND ADVENTURE CLUB

The Climate Action Begins Here: Inauguration of Green Activities 2024–2025 was successfully organized by the Tourism and Adventure Club, NICHE, marking the beginning of an inspiring journey towards environmental sustainability. The programme was conducted on November 14, 2024 at the Audio Visual Hall, NICHE. The event brought together distinguished guests, faculty, and students to promote climate awareness and actionable solutions for a greener future. Positive feedbacks were given by the attendees. The club initiated various activities as part of this to be implemented in the university. Distinguished chief guest and University authorities addressed the audience and delivered sessions on the need for environment protection.

SOCIAL SERVICE CLUB

The Social Service Club of Noorul Islam Centre for Higher Education, Kumaracoil, is a platform where students voluntarily engage in activities aimed at contributing to the welfare of society. The club aims to instill a sense of responsibility and empathy in students while promoting community development.

Student Registration

Students are registered in the club based on their interest and willingness to contribute to social causes. This voluntary approach ensures active participation and enthusiasm in all activities. Registration is conducted at the beginning of each academic session, and students are encouraged to join through awareness drives and orientations.

Weekly Activities and Scheduling

The club organizes activities every week as per a well-structured schedule integrated into the class timetable. This ensures minimal disruption to academic commitments while maximizing the impact of the social service initiatives.

Activities Undertaken

The Social Service Club engages in a variety of activities, including but not limited to:

1. Community Outreach Programs:

o Organizing health camps, blood donation drives, and awareness campaigns on important social issues like hygiene, education, and environmental conservation.

2. Environmental Activities:

o Conducting tree plantation drives, clean-up campaigns, and workshops on sustainable living.

3. Educational Support:

o Providing tutoring sessions and distributing learning materials to underprivileged children in nearby communities.

4. Awareness Initiatives:

o Hosting seminars and street plays to educate the public on topics such as gender equality, road safety, and mental health.

Impact and Benefits

The club's activities have made a positive impact both on the community and the students. While the community benefits from the direct services provided, students develop a deeper understanding of societal challenges and learn leadership, teamwork, and organizational skills.

The Social Service Club of Noorul Islam Centre for Higher Education, Kumaracoil, serves as a valuable bridge between students and society, fostering a culture of giving back and making a difference. The continued enthusiasm of students and support from the institution will ensure the success and sustainability of this initiative.

PHOTOGRAPHY AND DIGITAL DESIGN CLUB

The Photography and Digital Design Club provides an inspiring environment for students to develop their skills in photography and digital design. Through a variety of expert-led workshops, hands-on photowalks, and university-wide contests, members have the opportunity to explore both the technical and artistic sides of these creative fields. The club also organizes exhibitions where members can display their work and receive recognition. One such exhibition, held on World Photography Day on 19th August 2024, showcased the remarkable talent of students, featuring breathtaking shots of nature and stunning aerial views. The event was inaugurated by renowned Cinematographer and Director Shri Alagappan and attended by distinguished guests from the university, highlighting the high caliber of work produced by the club members.

Additionally, the "How to Read an Image: ABC of Photography" workshop by Dr. Ciby S. Kumar provided participants with a comprehensive introduction to photography, covering essential topics such as composition, visual analysis, and the historical context of photography. Through interactive activities, students gained practical skills and a deeper understanding of photography as both an art form and a powerful storytelling medium. The club also organized a Photo Walk at NICHE campus, where members explored nature, capturing its beauty while learning new photography techniques and refining their skills.

Along with these activities, guest lectures and discussions with industry professionals offer valuable insights into the latest trends and career opportunities in photography and design. Students have also achieved success by winning prizes and awards in external competitions, further showcasing the talent cultivated within the club. Whether a beginner or an experienced artist, the club provides a supportive community where students can grow, share their passion for photography, and gain recognition for their creative work

CODING AND GOOGLE DEVELOPER CLUB

NICHE Coding Club is an inclusive community open to all, welcoming individuals at any career stage or level of expertise. Our club fosters an environment where people from diverse backgrounds and genders come together to learn and grow. At NICHE, we firmly believe in the universal right to education, and we understand that learning thrives when we support each other. Our college coding club supports students from diverse backgrounds in developing a practical understanding of coding logic and applying programming skills to projects like games, robotics, and other innovative ideas. The club emphasizes designing, developing, and analyzing intelligent applications to solve real-world challenges. With a commitment to innovation, efficiency, and reliability, we aim to create meaningful solutions while promoting sustainability through resource-efficient scientific practices.

LITERARY CLUB

Club Overview

The NICHE Literary Club at Noorul Islam Centre for Higher Education (NICHE) is a dynamic platform designed to nurture the creative potential of students and instill a profound appreciation for the literary arts. Our club serves as a vibrant space where students can engage with diverse forms of literature, including poetry, prose, short stories, and creative writing, among others. Through various literary activities, we aim to spark meaningful discussions and offer an outlet for students to explore and express their literary talents.

At the NICHE Literary Club, we strive to create an environment where literature is not just read, but also lived and celebrated. Our club encourages students to share their favorite literary works, reflect on them, and gain a deeper understanding of the cultural and emotional essence of literature. It provides a nurturing environment for budding writers, poets, and performers to express their creativity, enhancing both their literary skills and confidence.

The club's initiatives include organizing book readings, poetry slams, storytelling sessions, and creative

writing workshops in multiple languages including English, Tamil, Malayalam, and Hindi. These events are designed to promote cross-cultural understanding and allow students to experience the richness of diverse literary traditions.

Memorandum of Understanding (MoU)

The NICHE Literary Club has forged strong alliances with several cultural organizations to promote and encourage literary pursuits. We have signed MoUs with:

- Kanyakumari District Malayala Samajam, Kuzhithurai
- Kanyakumari Malayala Akshara Lokam, Thuckalay
- Tamil Nadu State Progressive Writers and Artist Association

These collaborations allow us to organize enriching events, workshops, and literary exchanges, fostering stronger ties between the academic community and the local cultural landscape.

Purpose and Launch

The NICHE Literary Club was officially launched with the goal of inspiring a love for literature and creative expression among the student body. Its primary aim is to provide students with a dedicated space where they can explore and celebrate literature in all its forms. Through regular literary events, the club seeks to bridge the gap between academia and creativity, encouraging students to participate in intellectual and artistic activities that go beyond traditional curriculum.

The club serves as a platform to introduce students to various literary forms, including poetry, short stories, and plays, fostering a comprehensive understanding of literature. Our objective is to ensure that every member, whether a writer, poet, or reader, feels empowered to share their voice and contribute to the vibrant literary community at NICHE.

OBJECTIVES

Foster a Love for Literature

Through workshops, literary events, and discussions, we aim to inspire students to appreciate and enjoy various literary forms, fostering a deeper connection with literature beyond the classroom.

Showcase Talents

The NICHE Literary Club provides aspiring writers, poets, and performers with a platform to showcase their creativity and gain recognition. Whether through writing competitions, poetry readings, or storytelling events, we celebrate the unique talents of each individual.

Promote Cultural Awareness

By organizing events like book readings, poetry slams, and storytelling sessions, we strive to raise cultural awareness and appreciation for diverse literary works from different linguistic and cultural backgrounds.

Join Us

Become a part of the NICHE Literary Club and explore the beauty of literature through creative writing, reading, and performing arts. Celebrate the power of words and the emotions they convey as we bring together students from all disciplines to share their love for literary pursuits.

Let the NICHE Literary Club be a space where your imagination flourishes and your passion for literature finds its voice. Join us in celebrating the transformative power of literature!

UNNAT BHARAT ABHIYAN (UBA) CLUB

The UBA Club is a dynamic initiative aimed at bridging the gap between academic institutions and rural communities. Guided by the vision of holistic rural development, the club works in alignment with the goals of the Unnat Bharat Abhiyan program, focusing on sustainable development and empowering villages. The five villages adopted under the program are Kumarpurum, Thenkarai, Punkarai, Vilavoor and Eethavilai situated in Kannyakumari District.

Our Objectives:

- Foster a sense of social responsibility among students and faculty.
- Promote sustainable practices and livelihood opportunities in rural areas.
- Strengthen community engagement through impactful initiatives like tree plantation drives, sanitation campaigns, and skill development programs.
- Collaborate with local governing bodies to address pressing rural challenges.

Key Activities:

- Gramsabha Engagement: On October 2, 2024, UBA Club members actively participated in the Gramsabha meeting to understand community needs and align development efforts with local priorities.
- Community Development Projects: Tree plantations, renewable energy implementation, and waste management solutions.
- Awareness Campaigns: Workshops on health, education, and financial literacy.
- Skill Development: Hands-on training in modern farming techniques, entrepreneurship, and technology adoption.
- Village Surveys: Assessing and addressing socio-economic and environmental needs.

Why Join the UBA Club?

- Be a change-maker by contributing to the upliftment of rural communities.
- Gain practical experience in community development and project management.
- Develop leadership, teamwork, and organizational skills.
- Collaborate with like-minded peers to drive meaningful impact.

NATIONAL SERVICE SCHEME (NSS)

The National Service Scheme (NSS) is an Indian government initiative aimed at fostering social service and community engagement among students. NSS promotes volunteerism and encourages youth to participate in various community development programs.

Objectives

Community Service: To involve students in activities that benefits the community and develops a sense of social responsibility.

Personality Development: To help students grow personally and socially by engaging in service-oriented tasks.

Awareness: To enhance awareness about social issues, including health, education, and environment.

Structure

Participation: NSS is primarily targeted at college and university students, but it also extends to schools and other educational institutions.

Units: Each participating institution forms NSS units, which organize various activities and programs.

Benefits

Skill Development: Volunteers gain leadership, teamwork, and project management skills.

Civic Engagement: Encourages active participation in community affairs and governance.

Impact

The NSS has significantly contributed to social development in India by mobilizing youth and fostering a culture of service and responsibility. It aims to create a more socially conscious generation that actively contributes to nation-building.

Overall, the NSS plays a vital role in bridging the gap between students and society, promoting a spirit of volunteerism and community service.

In our University 5 programme officers for five NSS units and a programme Coordinator to promote volunteerism and encourages youth to participate in various community development programs.

Enrollment Process

The enrollment process for the National Service Scheme (NSS) typically involves the following steps,

Eligibility Criteria

Open to students in all the branches in the university. Usually requires students to be enrolled

Application Form

Interested students must fill out an application form, which is usually available at the institution's NSS unit or the Google form provided by the university through on-line registration.

Submission

Completed forms need to be submitted to the NSS Programme Officers of the institution.

Orientation Programme

Students may be required to attend an orientation session, which provides information about NSS, its objectives and the types of activities involved.

Membership Confirmation

Once the application form is accepted, students considered as an NSS membership recognizes their enrollment.

Participation in Activities

Members are expected to participate in NSS activities, projects, and events as organized by the unit.

Duration of Membership

Membership is typically valid for the duration of the student's enrollment in the institution, with opportunities for continued involvement in various projects.

Certificates and Recognition

Active participants may receive certificates of participation or awards based on their involvement and contribution to NSS activities.

NSS Activities and Events

The National Service Scheme (NSS) organizes a variety of activities and events aimed at community service and social development. Here are some key activities and events typically conducted by NSS units:

Activities

NSS volunteers engage in a variety of activities, including:

Community Service Projects

Health Camps: Organizing health check-ups and awareness drives.

Blood Donation Drives: Collaborating with blood banks to encourage voluntary blood donation.

Environmental Initiatives

Cleanliness Drives: Conducting campaigns to clean public spaces, schools, and local areas.

Tree Planting: Planting trees and promoting environmental awareness through workshops and rallies.

Education Programs

Awareness Programmes ; Providing Awareness Programmes to students and society.

Literacy Campaigns: Organizing workshops and awareness programs to promote literacy and education.

Social Awareness Campaigns

Gender Equality Initiatives: Conducting workshops and seminars to promote gender equality and women's empowerment.

Disaster Management Training: Educating communities about disaster preparedness and response.

Cultural and Sports Events

Cultural Programs: Organizing events that promote cultural heritage, such as folk dances, dramas, and art exhibitions.

Sports Competitions: Organizing events that to encourage the physical fitness and teamwork through various sports events.

Health and Wellness Activities

Yoga and Meditation Sessions: Promoting mental and physical well-being through yoga workshops.

Mental Health Awareness: Organizing seminars to discuss mental health issues and promote wellness.

National and International Days

Observing days of national and international importance (e.g., Gandhi Jayanti, World Environment Day) through relevant activities and awareness campaigns.

Skill Development Workshops

Organizing workshops to teach skills like computer literacy, vocational training, or entrepreneurship.

Collaboration with NGOs and Government Programs

Partnering with local NGO s and government initiatives to enhance the reach and impact of their activities.

These activities not only benefit the community but also help students develop essential skills, social awareness, and a sense of responsibility. Participation in such events often leads to personal growth and an enhanced understanding of societal issues.

Special camps and workshops

Special camps and workshops are integral components of the National Service Scheme (NSS), aimed at providing immersive experiences for volunteers while addressing community needs. Here's a closer look at these activities:

Special Camps

Residential Camps: Volunteers stay in a community and engage in various service activities like health camps, cleanliness drives, and educational workshops to promote understanding of community issues, foster teamwork, and encourage hands-on service.

Awareness Camps: Focusing on specific themes, like health, education, or environment and social issues by conducting seminars, discussions, and demonstrations that engage community members and raise awareness creates increased community involvement and knowledge about critical issues.

Skill Development Camps

Training Sessions: To empower community members, especially youth, by providing them with marketable skills.

Integrated Rural Development Camps

To promote holistic development in rural areas through agriculture, health, and education initiatives by conducting community surveys, agricultural training, and health awareness programs.

WORKSHOPS

Health Awareness Workshops

Topics: Nutrition, hygiene, mental health, and preventive healthcare by conducting interactive sessions, demonstrations, and group discussions to educate participants.

Environmental Workshops

Focus in topics like waste management, conservation, and sustainable practices by conducting activities such as making compost, creating rainwater harvesting systems, or planting trees.

Leadership and Personality Development Workshops

To enhance leadership skills, communication and teamwork among volunteers.

By conducting activities such as group activities, role-playing, and motivational talks.

Cultural Workshops

To promote and preserve local culture through art, music, and dance by the activities such as learning traditional crafts, music, or dance forms, and organizing cultural showcases.

Disaster Management Workshops

Focus on training volunteers and community members in disaster preparedness and response techniques by disaster response plans.

These camps and workshops foster a spirit of service, helping volunteers connect deeply with the community and making a tangible difference in the lives of those they serve.

Social impact Projects

The National Service Scheme (NSS) undertakes various social impact projects aimed at addressing pressing community issues and fostering sustainable development. Here are some notable categories of projects typically organized under NSS are Health and Nutrition Projects, Environmental Conservation Projects, Education and Literacy Programs, Youth Development Initiatives,, Disaster Management and Preparedness, Rural Development Projects, Social Awareness Campaigns, Community Development Projects.

Outcomes of Social Impact Projects

These projects not only create a positive impact on society but also provide NSS volunteers with valuable experience and insights into community needs and social challenges.

Recognition and Awards

Participation in NSS leads to certificates and awards, enhancing students' profiles for future opportunities.

NATIONAL CADET CORPS (NCC)

The NCC Army Wing at Noorul Islam Centre for Higher Education (NICHE), Kumaracoil, Thuckalay, was inaugurated on 27th July 2021 at the Hill Top AC Auditorium. As part of its commitment to the holistic development of students, NICHE has also established a dedicated firing range at the foot of Vallimalai, inaugurated on 12th May 2022 by our Honorable Chancellor, Dr. A.P. Majeed Khan. This initiative aims to provide valuable training and experience to NCC cadets from Kanyakumari District.

NICHE is one of the few private universities offering students the unique opportunity to join the National Cadet Corps (NCC), an organization that upholds the values of "Unity and Discipline." The NICHE NCC wing is a proud and vibrant force that strives to instill leadership, discipline, and national pride in its cadets.

Key Highlights

- NCC Activities at NICHE: Our NCC cadets are actively involved in various activities starting with the annual Republic Day celebrations. The training program focuses on character building, leadership skills, and national integrity. Cadets participate in a wide range of activities including physical training, weapons training, war crafts, and drill exercises.
- National and Leadership Camps: NICHE NCC cadets have represented the university in national-level camps such as the Basic Leadership Camp (BLC) and National Integration Camps (NIC), gaining exposure to diverse leadership challenges and experiences.
- Scholarships for NCC Cadets: NICHE offers scholarships to students who have previously served in the NCC at school and wish to continue their journey in the NICHE NCC wing, encouraging them to further develop their skills and leadership abilities.
- Recognition and Career Development: Over the years, many of our cadets have successfully earned their "C" Certificate with A-grade and have joined the Indian Defense Services, proudly serving the nation.

At NICHE, the NCC program is not just about physical training; it is an avenue for young minds to nurture leadership qualities, build character, and contribute to the nation's progress.

Join NICHE - NCC and be part of an inspiring journey toward service, discipline, and national pride.

The National Cadet Corps (NCC) Naval Wing

Annual Training Camp

The National Cadet Corps (NCC) Naval Wing of Noorul Islam Centre for Higher Education (NICHE) continues its commitment to providing students with enriching experiences through various training camps. Recently, a group of 12 cadets from the NCC Naval Wing participated in an Annual Training Camp (ATC) held at VOC College from 2nd November 2024 to 11th November 2024. This camp served as a valuable platform for honing essential skills in teamwork, discipline, leadership, and physical fitness. It provided them with opportunities to enhance their physical fitness, discipline, leadership skills, and teamwork abilities. These cadets returned with a strengthened sense of commitment to service, leadership, and national duty. The experiences gained during the camp will undoubtedly contribute to their personal growth and their ongoing journey as cadets in the NCC.

Navy Day celebration

The Navy Day celebration at Noorul Islam Centre for Higher Education (NICHE) was marked by an inspiring Career Motivation Programme held on 21st October 2024, in collaboration with the Headquarters Tamil Nadu and Pondicherry Naval Area. The event, aimed at fostering awareness and enthusiasm for maritime defence among students, took place at the Hill Top Auditorium and Marine Grounds.

The program was graced by Commander Dinesh Dasarathan, Senior Manager Engineering, Flotilla Technical Support Unit, Headquarters Tamil Nadu and Pondicherry Naval Area. He delivered a motivational address, sharing insights into careers in the Indian Navy and emphasizing the importance of maritime defence in national security. The event succeeded in inspiring students to consider a career in the defence forces, while also enhancing awareness of the critical role the Indian Navy plays in safeguarding the nation's maritime interests.

NICHE remains committed to organizing such programs that bridge the gap between academia and national service, instilling a sense of patriotism and purpose among its students.

Vibrant image showcasing the Navy Day celebration at NICHE

Cadet Participating Idea and Innovation Competition: RDC 2025

The 3 (TN) Naval Unit NCC has officially detailed Leading Cadet Abhinav J of Noorul Islam Centre for Higher Education (NICHE), Kumaracoil, for participation in the Idea and Innovation Competition scheduled as part of the RDC 2025. The competition was held at Madurai NTA on 13th November 2024.

Blood Donation Camp

The cadets of the NCC Naval Wing at NICHE participated in a Blood Donation Camp organized by the Government Hospital Thuckalay at Eraniel on 21st November 2024. Their participation aimed to contribute to the welfare of the community and support life-saving medical efforts. The camp aimed to spread awareness about the importance of blood donation and encourage active participation among students and staff. A total of 27 cadets from the NCC Naval Wing volunteered enthusiastically to donate blood. Faculty members and healthcare professionals were present to oversee the process and ensure smooth execution.

A vibrant photograph showcasing cadets and faculty members standing together, holding a banner representing the NCC Naval Wing and NICHE.

YOGA CLUB

The Yoga programme is scheduled on every first and third Thursdays for the senior classes and first and third Fridays for the I year classes. The time of the programme is in the afternoon from 2.50 to 4.30 pm. The students participate in the programme regularly. The yoga classes will be handled by Mr. Ramachandran, Yoga Master, NICHE. Two additional staff members from the yoga club will be assisting the Yoga Master during the programme.

All the sessions covered foundational poses, breathing techniques, and relaxation methods. Engaging demonstrations and hands-on practice enhanced understanding. Positive feedbacks highlighted are improved flexibility and balance, reduced stress and anxiety; also enhanced mental clarity and well-being. The outcome of the event is enhanced physical and mental well-being among participants, fostering a healthier lifestyle. Continued yoga programs would benefit the students' overall health and academic performance. Some sample figures are attached herewith for your perusal.

CELEBRATIONS

NICHE, celebrating the plurality of India, weaves a vibrant tapestry of events across the calendar. From the illuminating festivities of Diwali to the heart-warming spirit of Christmas, and from the cultural exuberance of Pongal to various awareness campaigns, these events epitomize unity, celebration, and social responsibility. They serve as platforms for cultural exchange, talent showcase, and meaningful engagement with pressing societal issues, bringing together students, faculty, esteemed dignitaries, and the wider community.

PRAVAHA 2024

The much-anticipated annual arts festival, PRAVAHA 2024, was held at NICHE on April 17, 2024, and proved to be a grand celebration of creativity and talent. Inaugurated by the distinguished South Indian film star Ajmal Ameer, who served as the chief guest, the festival witnessed enthusiastic participation from students across all disciplines. They showcased their artistic talents through a variety of cultural events, including dance, music, drama, literary contests, and art exhibitions, each celebrating the diversity and creativity of NICHE's vibrant student community.

PRAVAHA 2024 was a resounding success, leaving participants and spectators inspired and energized. The involvement of dignitaries and the overwhelming support from the university administration underscored the importance of nurturing the arts within academia. This annual celebration reaffirmed NICHE's commitment to providing a balanced educational experience that values both academic excellence and cultural enrichment.

The event highlighted the critical role of students in driving cultural enthusiasm and reinforced the administration's dedication to fostering an academic platform that nurtures and celebrates talent.

KAHALAM 2024

The Onam Celebration 2024, KAHALAM, at NICHE was a vibrant and memorable event held on September 12, 2024, bringing together students, faculty, and staff in a festive spirit. The campus was beautifully adorned with traditional Onam decorations, including Pookalam designs created by students, which added to the festive ambiance. Both students and faculty immersed themselves in the celebrations, strengthening bonds and creating cherished memories. The event underscored the importance of cultural celebrations in fostering unity and promoting a positive campus environment.

As a joyous occasion, everyone came together to celebrate the spirit of harmony and cultural heritage that Onam embodies. Students from various departments showcased their creativity through cultural events, including traditional dances like Thiruvathira and songs. Each department contributed uniquely to the festivities, competing in events such as the Pookalam contest, which highlighted their artistic talents and team spirit. The highlight of the celebration was the sumptuous Onasadhya, a traditional feast that brought the entire university community together to enjoy a delicious meal, fostering a sense of togetherness and camaraderie.

The NICHE Onam Celebration 2024 was a resounding success, seamlessly blending tradition with festivity. The event emphasized the university's commitment to nurturing cultural values alongside academic excellence. The enthusiastic participation from all members of the NICHE community made this celebration a truly unforgettable experience.

Diwali 2024

NICHE organized a vibrant and joyous Diwali celebration on October 30, 2024, bringing the entire campus community together. The event featured a food festival, a Mehandi competition, and a series of cultural programs. Students participated enthusiastically in the competitions, showcasing their creativity and talents.

The food festival highlighted the spirit of togetherness and celebrated the richness of Indian culture, while the cultural programs showcased the artistic diversity and creativity of NICHE's vibrant student community. Performances were met with enthusiastic applause, leaving the audience with unforgettable memories.

A panel of judges evaluated the Mehandi competition based on creativity, neatness, and adherence to the theme, awarding exciting prizes to the winners. The presence of dignitaries and strong support from the university administration added significance to the festivities. The celebration attracted a large crowd and fostered a sense of community, offering everyone the opportunity to savor the flavors of Diwali. The meticulously organized events entertained and provided a platform for students to express their cultural pride.

The day concluded with warm wishes and shared memories, leaving the campus eagerly anticipating next year's celebration. The Diwali 2024 event at NICHE was a resounding success, bringing joy and festivity to all who participated.

CAMPUS LIFE

- On-campus High-quality education and research facilities
- Training by Experienced faculty with real-world industry experience
- Hands-on learning opportunities through internships and lab work
- Collaborative learning environment through student clubs and organizations
- Cutting-edge technology and equipment for students to work with strong partnerships with local businesses and industries for job placement opportunities
- Active student community with events and activities
- Supportive services including career counseling and academic advising
- State-of-the-art athletic facilities and programs
- Study abroad programs and international exchange opportunities
- Strong alumni network for networking and career support
- Multidisciplinary curriculum encompassing various technical fields
- Strong industry partnerships and internship opportunities
- Hands-on training and project-based learning approach
- Emphasis on innovation, research and entrepreneurship through Institute Innovation Council
- Collaboration with international universities and exchange programs
- A vibrant campus life with diverse cultural and social activities
- Special training on developing soft skills and employability by industryexperts
- Supportive career services and alumni network

CAMPUS HIGHLIGHTS

- Spacious and well-equipped campus spread over an area of 550 acres
- Modern lecture halls, classrooms, state-of-the-art labs, research facilities,with cutting-edge technologies
- Library with a rich collection of books, journals, and digital resources
- Wi-Fi enabled campus with excellent internet connectivity
- Hostel facilities for both boys and girls with all necessary amenities
- Sports facilities including a gymnasium, sports ground, and indoor games
- Medical facilities with a full-fledged health center and ambulance services
- Cafeteria offering a variety of food options for students and staff
- Bank and ATM facilities within the campus for convenience
- Transportation facilities for students and staff
- Cultural and extracurricular activities through various student clubs and societies
- Green campus with landscaped gardens and parks
- 24x7 security and surveillance to ensure the safety of students and staff
- Collaborations with international universities and industries for academic and research exchange
- Diverse range of technical programs including engineering, technology, science and management studies
- Financial aid and scholarship opportunities
- Strong emphasis on practical, real-world applications of knowledge

• Comprehensive and up-to-date curriculum covering the latest developments in emerging technologies

• Focus on developing soft skills, such as communication, teamwork, and leadership, to enhance employability

• Regular coding competitions, hackathons, and other events to enhance technical skills

• Access to a vast range of digital resources and tools for research and study

• Emphasis on entrepreneurship and innovation, with opportunities for students to start their own tech companies

• Regular workshops, seminars, and guest lectures by industry experts andrenowned professionals

• Strong partnerships with leading technology companies for internships and projects

• Opportunities for students to work on live projects and real-world Challenges. Encouragement for students to participate in research projects and conferences

• Opportunities for mentorship and guidance from industry experts and successful entrepreneurs

• Access to a network of like-minded individuals with a shared interest in technology and innovation

• Access to resources, support, and opportunities that can help pave the way for a successful career in the tech industry

FACULTY LIST

NICHE AUTHORITIES

Dr. Perumalsamy R	Pro-Chancellor (Academic)
Dr. Tessy Thomas	Vice-Chancellor
Dr. Janardhanan K A	Pro-Vice-Chancellor (Administration)
Dr. Shajin Nargunam A	Pro-Vice-Chancellor (Academic)
Dr. Thirumalvalavan P	Registrar
Dr. Jeyakumar M K	Controller of Examinations

DEPARTMENT OF AERONAUTICAL ENGINEERING

Dr. Mehta R C	Professor, Dean(Faculty of Aeronautical & Space Technology)
Mr.Shyam Mohan N	Director, Emeritus Visiting Professor
Dr. Stanly Jones Retnam B	Associate Professor, Additional Placement Officer & HOD
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Dr. Antony Vincent V	Assistant Professor
Dr. Anu Kuttan A	Assistant Professor
Mrs. Aneesha S	Assistant Professor
Mr. Abinicks Raja G	Assistant Professor
Mr. Harish K R	Assistant Professor

DEPARTMENT OF AIRCRAFT MAINTENANCE ENGINEERING

Dr. Benita J	Assistant Professor
Mr. Sudhakar D	Assistant Professor
Dr. Ninisha Nels S	Assistant Professor
Mr. Hari Kumar S	Assistant Professor & Program Co-ordinator
Mr. Ravikumar. P.J	Instructor
Mr. Inbasekaran K	Instructor
Ms. Suruthi N	Junior Research Fellow

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Dr. Karthikeyan L M	Assistant Professor
Mr. Rabin R	Assistant Professor

Mrs. Nisha V L	Assistant Professor
Mrs. Anitta W K	Assistant Professor
Ms.Stefaniya	Assistant Professor

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Dr. Aneesh Nair	Associate Professor
Mrs. Janu J P	Assistant Professor
Dr. Raja Brindha J	Assistant Professor
Dr. Packia Lekshmi N C J	Assistant Professor, Assistant Placement Officer
Dr. Munnu Das J	Assistant Professor
Mrs. Bushra Beevi R	Assistant Professor
Dr. Gokul Gopi	Assistant Professor
Mrs. Subha T	Assistant Professor
Dr. Shabi Ruskin R	Assistant Professor
Ms. Nimya Joseph	Assistant Professor
Dr. Hima L	Assistant Professor
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Ms. Ragi D S	Teaching Assistant
Ms. Souparnika P C	Teaching Assistant
Ms. Divya K M	Teaching Assistant
Mrs. Sermi Jiju Y	Teaching Assistant
Mrs. Jini S V	Teaching Assistant
Ms. Riya Lal	Clinical Perfusionist / Tutor
Mr. Midhun Mathew	Clinical Perfusionist
Mr. Arvind P	Teaching Assistant
Ms. Jazila H	Teaching Assistant
Ms. Maharisha	Teaching Assistant
Ms. Dilsha K	Teaching Assistant

• Ms. Alka Fathima	Clinical Perfusionist
• Ms.Abisha P S	Teaching Assistant

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• Dr. M.L. Nisha	Associate Professor & Head - BASLP Programmes
• Mr. Ananthan A V	Assistant Professor
• Mr.Anish Benadict A	Assistant Professor
• Ms. Reshma Nair A	Audiologist Grade - I
• Ms. Fenisha I S	Clinical Supervisor - SLP Gr.1
• Ms. Ashithanandan S	Clinical Supervisor Grade - I
• Mr. Abhijith Markose Babu	Clinical Supervisor Audiology Grade- II
• Ms. Ashmi S K	Clinical Supervisor Speech & Language Pathology Grade- II
• Mr. Mani Prasanth	Audiologist Grade - I

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• Dr. Albert Jerome S	Associate Professor
• Dr. Sowmy I	Associate Professor
• Mrs. Anusha Linda Kostka J. E	Assistant Professor
• Mrs. Lisha Daniel	Assistant Professor
• Mr. Suresh Jeya Singh C	Assistant Professor
• Ms. Jospine Shiney	Teaching Assistant

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• Dr. Shajin Nargunam.A	Pro Vice Chancellor (Academic), Professor, Director (CSTA), Dean (Faculty of Information and Computer Engineering)
• Dr. B. Ben Sujitha	Professor
• Dr. Judith J E	Associate Professor
• Dr. Anitha A	Associate Professor & Director - Admissions
• Dr.Beni G	Associate Professor
• Dr. Nisha Evangelin L	Associate Professor
• Dr. Ranjith V.G	Assistant Professor & HOD i/c, Faculty in-charge in Cloud Computing
• Dr. G. Venifa Mini	Assistant Professor
• Mrs. Safrin S	Assistant Professor
• Mr. Jebin Bose S	Assistant Professor, Assistant Nodal Officer

• Mr. Jelintaric G	Assistant Professor, News Letter Assistant Editor
• Mrs. Jothy C R	Assistant Professor

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• Dr. Thanka Jebarsan Y	Assistant Professor & HOD
• Mr. Allwin.D	Assistant Professor
• Mrs. Alex Dorwina. N	Assistant Professor
• Mr. Mathan Kumar S	Assistant Professor
• Dr. Roselin R	Assistant Professor
• Mr. Ajin N	Assistant Professor
• Mrs. Abisha Y	Assistant Professor
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NAME OF THE CANDIDATE

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Date of Birth	D:	M:	Y:	Age		Sex	Male		Female	
Marital Status	Married		Unmarried		Nationality	Indian		Foreign	

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Door No. & Street				
Locality				
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State			Pin	
Mobile Number		E-Mail		
Caste	Community		Religion	

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- Control & Instrumentation Engineering
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