

TNEA CODE  
**1126**

**PROSPECTUS**  
2024 - 2025



# INVEST IN **YOUR FUTURE**

Get an Industry 4.0 Degree &  
Job-Ready Skills to Future-Proof Your Career



## **J.N.N INSTITUTE OF ENGINEERING AUTONOMOUS**

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
NAAC 'A' Grade & NBA Accredited Institution





## ABOUT J.N.N INSTITUTE OF ENGINEERING (AUTONOMOUS)

J.N.N Institute of Engineering (Autonomous) stands tall in sylvan surroundings of serene atmosphere with an ambition of providing high quality technical education coupled with discipline to the student community. This technical institution is housed in a sprawling campus of 50 acres on the Chennai - Periyapalayam Highway. It imparts training for students to make them competent, motivated engineers and managers.

We are home to Engineering & Management aspirants with a passion for learning. Paper qualifications and credentials do not matter here. We help you build an industry-ready foundation with skills and knowledge. What we teach is designed by tech & management experts with a student-centric approach to learning. Our mission is to help young minds transform into thriving future tech-leaders of the world. We hustle with you for your goals, and more. J.N.N Institute of Engineering (Autonomous) was established in 2008. It is located just 25 kms away from the city of Chennai and it is well connected by public transport. It is approved by the All India Council for Technical Education, New Delhi, Affiliated to Anna University, Chennai and Accredited by NAAC with 'A' Grade. The College was recognised by UGC with Autonomous Status in 2022.



**85%**  
Placement



**91%**  
Graduation Rate



**68**  
MOU's



**9**  
CoE



**27**  
University  
Ranks



**45**  
Ph.D's |  
Pursuing Ph.D's



**25+**  
Student  
Clubs | Activities



**365**  
Research  
Publications





## B.Tech Artificial Intelligence & Data Science

Joint Degree Program with **IBM**

*Artificial Intelligence is the branch of Computer Science concerned with making computers behave like humans !*

B.Tech Artificial Intelligence & Data Science is an undergraduate programme with advanced learning solutions imparting knowledge in innovations such as Artificial Intelligence, which encompasses machine learning, deep learning and Data Science, which involves developing methods of recording, storing and analysing data.

This programme is designed to enable students to build intelligent machines, software, or applications with a cutting-edge combination of machine learning, analytics and visualisation technologies. The main goal of artificial intelligence (AI) and machine learning is to program computers to use example data or experience to solve a given problem. Many successful applications based on machine learning exist already, including systems that analyse past sales data to predict customer behaviour (financial management), recognize faces or spoken speech, optimize robot behaviour so that a task can be completed using minimum resources, and extract knowledge from bioinformatics data. =

### This course is for individuals who....

want to acquire the ability to design intelligent solutions to problems in a variety of domains & business applications such as natural language processing, image recognition & data analysis.

### Career path you can choose after the course

- › Machine Learning Engineer
- › Artificial Intelligence Engineer
- › Machine Learning Architect
- › Data Scientist
- › Data Analyst



## B.Tech CSE Cyber Security

Joint Degree Program with **IBM**

B.E Cyber Security will enable you to be ready for Industry 4.0 emerging and exponential technologies. This course is industry-integrated with EC-Council certifications\* in Cyber Security including the world-famous Certified Ethical Hacker (CEH), Certified Network Defender (CND), Certified Security Analyst (ECSA), Computer Hacking Forensics Investigator (CHFI), among others. The program will be delivered using project-based learning leading to internships and career opportunities with startups and MNC's in India and abroad.

This course is uniquely positioned to keep pace with the emerging skill-sets required in Industry 4.0. As you graduate, you would be adequately prepared for the world of work!

### This course is for individuals who....

are passionate at exploring and are inquisitive about adapting to the latest inventions. It is for aspirants who are looking for exposure in modern manufacturing processes of new technological and electronic devices. This programme is for students who have the ability to devise technology and like to indulge in in-depth research.

### Career path you can choose after the course

- › Network Security Engineer
- › Cybersecurity Analyst
- › Cybersecurity Architect
- › Cybersecurity Specialist
- › Cybersecurity Manager / Officer
- › Chief Information Security Officer (CISO)
- › Cyber Defence Analyst

**Duration of Program**  
4 Years (8 semesters)

**Seats**  
60

**Duration of Program**

4 Years (8 semesters)

**Seats**  
120



Build Job Ready Skills  
by Learning  
from the Best!



## Why prefer Joint Degree Program with IBM?

- › J.N.N Institute of Engineering is one among the few Institution's across the country to offer this program in association with IBM SWG.
- › Course content will be from IBM and is prepared by IBM Subject matter experts.
- › Courses will be conducted by IBM certified Professionals.
- › Students will learn Artificial Intelligence (IBM Watson), Data Science, Cybersecurity which are the top 10 technologies in demand as per Gartner 2022 survey.
- › Courses will be hands-on with practicals and IBM case studies will be shared to the students.
- › Enterprise version of the Software will be installed at the dedicated IBM Emerging Technology lab and student's can work 24/7.
- › Students can visit IBM once a year to meet and discuss with IBM SME.
- › Leader's from IBM will visit J.N.N Institute of Engineering to create awareness about the latest trends in the Industry.
- › At the end of the course student's will get Globally valid certificate with both J.N.N Institute of Engineering and IBM Logo.
- › Student's will have global opportunity and get placed as Machine Learning Engineer, Data Scientists, AI Architect, Business Analyst, Cybersecurity Specialist etc.

## B.Tech Computer Science Engineering (CSE)

B.Tech Computer Science Engineering (CSE) integrates the field of computer Engineering and Computer Science. The programme, which lays emphasis on the basics of computer programming and networking, comprises a plethora of topics. The said topics are related to computation, algorithms, programming languages, program design, computer software, computer hardware etc.



**Duration of Program**

4 Years (8 semesters)



**Seats 180**

Computer science engineers are involved in many aspects of computing, from the design of individual microprocessors, personal computers and supercomputers to circuit designing and writing software that powers them. Students pursuing the course will be taught about design, implementation and management of information system of computer hardware and software.

### This course is for individuals who....

are passionate with anything related to computers, be it software or hardware. It is for aspirants who love computer programming and are interested in learning and applying the latest programming languages and use the best software packages to develop programs that run any kind of application or equipment.

### Career path you can choose after the course

- › Software Engineer
- › Web Developer
- › Full Stack Engineer
- › Software Tester
- › UI/UX Engineer







### Duration of Program

4 Years (8 semesters)



Seats  
30

## B.Tech Agricultural Engineering

*Agricultural Engineering deals with the study of agricultural processes and usage of technology with the aim to improve efficiency in food production. Agriculture is the largest participant in the Indian Economy. It is needless to say that a career in Agriculture in India is nothing but bright and shining.*

Agricultural Engineering is the area of engineering concerned with the design, construction and improvement of farming equipment and machinery.

Agriculture Engineers integrate technology with farming. For example, they design new and improved farming equipment that may work more efficiently, or perform new tasks. They may also help engineer solutions for pollution control at large farms.

They may also design food storage structures and food processing plants. Some may design housing and environments for livestock. They may also plan and oversee land reclamation projects on farms. Others may be involved in agricultural waste-to-energy projects and carbon sequestration (absorbing carbon dioxide from the atmosphere into the soil, crops and trees).

### This course is for individuals who....

- Advocate for sustainable agriculture on a local and national level to interested parties
- Research to find new ways of farming, harvesting, and storage
- Plan and design the building of irrigation, drainage, and flood- and water-control systems
- Design equipment and machinery used for field preparation, seeding, spraying, harvesting, and transporting agricultural products

### Career path you can choose after the course

- Agriculture Specialist
- Probationary Officer
- Sr. Process Engineer
- Manufacturing Design Engineer
- Higher Education

Students graduating from this program will be highly skilled and most sought after by the industries.

## B.Tech Electronics Engineering (VLSI Design & Tech.)

The Bachelor of Technology (B.Tech) program in Electronics Engineering with a specialization in VLSI Design & Technology at J.N.N Institute of Engineering addresses the pressing need within the Indian semiconductor design and manufacturing industry. This comprehensive four-year curriculum equips students with essential knowledge and practical skills in Very Large Scale Integration (VLSI) design and technology, crucial for meeting the burgeoning demand for skilled professionals in this sector. With a focus on foundational principles of electronics, digital design, and semiconductor technology, coupled with advanced topics such as ASIC design and VLSI fabrication techniques, graduates are uniquely positioned to contribute significantly to the innovation and growth of India's semiconductor industry. Through theoretical coursework, hands-on laboratory sessions, and industry-oriented projects, students are prepared to navigate the complexities of modern semiconductor design



### Duration of Program

4 Years (8 semesters)



Seats  
60

### This course is for individuals who....

- Have a keen interest in electronics, digital design, and semiconductor technology.
- Aspire to become skilled professionals in the field of VLSI design and technology.
- Seek to contribute to the fast-growing Indian semiconductor design and manufacturing industry.

### Career path you can choose after the course

- VLSI Design Engineer
- Semiconductor Process Engineer
- ASIC/FPGA Design Engineer
- Verification Engineer
- Product Engineer



## B.E Biomedical Engineering

*Biomedical Engineering is the application of the principles and problem-solving techniques of engineering to biology and medicine.*

Biomedical Engineering is evident throughout healthcare, from diagnosis and analysis to treatment and recovery, and has entered the public conscience through the proliferation of implantable medical devices, such as pacemakers and artificial hips, to more futuristic technologies such as stem cell engineering and the 3-D printing of biological organs.

### Why study Biomedical Engineering at J.N.N?

- ✓ **Fully equipped Medical Devices Lab**  
Complete access to students to design and innovate products
- ✓ **MOU's with Industries**  
Initiatives for Faculty & Students training, Placements
- ✓ **Industry / Student Success Mentors**  
Get mentored by experts from Healthcare & Medical Equipment Industry

  
**Duration of Program**  
4 Years (8 semesters)  
  
**Seats 30**



## B.E Electronics & Communication Engineering (ECE)

B.E in Electronics and Communication is a four-year undergraduate programme focussed on utilising science and applied mathematics to solve practical problems in the field of communications. Broadly, the programme intends to inculcate an in-depth understanding of signals, circuits and how to use differential equations techniques for developing excellent Electronics and Communication products and devices.

The programme commences with acquainting the students to the principles of Electronics Engineering, Digital Signal Processing, Computer Networks, Analog Electronics and Network Theory. Progressively the programme deals with subjects like Digital Communication Computer Architecture and Technical Skill Enhancement.

### This course is for individuals who....

are passionate at exploring and are inquisitive about adapting to the latest inventions. It is for aspirants who are looking for exposure in modern manufacturing processes of new technological and electronic devices. This programme is for students who have the ability to devise technology and like to indulge in in-depth research.

### Career path you can choose after the course

- Software Analyst
- Network Planning Engineer
- Communications Engineer
- Field Test Engineer
- Network Analyst

  
**Duration of Program**  
4 Years (8 semesters)  
  
**Seats 60**



## B.E Robotics and Automation

*Robotics is the interdisciplinary branch of engineering and science that comprises of mechanical engineering, electrical engineering, computer science and others.*

The growth of robotics has been tremendously high in the recent years and the next few years are to witness stupendous advancements in robotic technology especially with the advent of Industry 4.0. Consequent to this paradigm shift in technology, Undergraduate and Postgraduate courses in Robotics & Automation has become one of the top most career choices among the aspirants. Robotics and Automation is an interdisciplinary branch which amalgamates various fields of Engineering that include Mechanical, Electronics, Computer Science, Sensors and Instrumentation, Industrial Automation and many more.

The B.E programme in Robotics and Automation has rapidly gained momentum owing to the increasing demand for robotics and automation engineers . The curriculum is thoughtfully curated for current industry requirement based on inputs from veterans in the relevant domains belonging to academia and industry. It equips the students in par with the industry standards and fosters an innovative attitude that leads them to become entrepreneurs.

### **This course is for individuals who....**

aspire to work on the next generation of cutting edge Robotics technology and gain insights into the various applications of automation in our every day lives. These individuals will develop a keen knowledge on how to use robots for the betterment of humanity.

### **Career path you can choose after the course**

- › Robotics Design Engineer
- › Automation Engineer
- › Robotics Programmer
- › Robotics System Engineer
- › Maintenance Engineer

## M.B.A Artificial Intelligence & Data Science

The Master of Business Administration (M.B.A) program in Artificial Intelligence & Data Science at J.N.N Institute of Engineering is a cutting-edge two-year postgraduate program designed to equip students with advanced knowledge and practical skills in leveraging artificial intelligence and data science techniques for business applications. This program addresses this demand by providing students with a comprehensive understanding of AI algorithms, machine learning techniques, big data analytics, and business intelligence tools, preparing them to excel in roles such as data scientist, AI strategist, business analyst, and more. Graduates of this program will be well-positioned to navigate the complexities of the industry and lead organizations towards data-driven innovation and success in the dynamic Indian business environment.

### **This course is for individuals who....**

- › Have a passion for exploring innovative approaches to problem-solving and are eager to apply AI and data science techniques to optimize business processes and outcomes.
- › Aspire to become skilled professionals capable of implementing AI and data science solutions to address complex challenges & opportunities

### **Career path you can choose after the course**

- › Data Scientist
- › AI Strategist
- › Data Analytics Manager
- › Machine Learning Engineer
- › Business Analyst
- › Chief Data Officer
- › Big Data Architect



**Duration of Program**

4 Years (8 semesters)



**Seats 30**



**Duration of Program**

2 Years (4 semesters)



**Seats 60**



## M.B.A Business Analytics

In Collaboration with 

  
**Duration of Program**  
2 Years (4 semesters)

  
**Seats**  
**60**

Pursuing a Master of Business Administration (MBA) in Business Analytics at J.N.N with IBM will give you a comprehensive understanding of data science and analytics. By learning how to develop data-driven strategies, you can assist businesses in making informed decisions and discovering innovative solutions to problems.

The MBA in Business Analytics at J.N.N is designed to equip you with the skills and knowledge needed to excel in the field of data science and analytics. Upon completion, you will be able to use data to make business decisions and create innovative solutions to complex problems.

Students will be awarded with the digital IBM Badge on successful completion of the course. This is a globally recognized badge which can be posted on the LinkedIn profile. Recruiters can get the details about the courses studied and projects undertaken during the program by looking at the badge.

### Job Profiles in M.B.A Business Analytics

- › Business Analyst
- › Data Mining Expert
- › Data Scientist
- › Hadoop Developer
- › Business Intelligence Analyst
- › Cognos Report Developer
- › Advanced Analytics Analyst
- › System Analyst, Cost Analyst
- › Market Research Analyst
- › Big Data Software Architect

### Prominent Industries That Apply M.B.A Business Analytics

- › Financial Services
- › Retail
- › Manufacturing
- › Healthcare
- › Energy
- › Oil & Gas
- › Telecom
- › Social Media
- › Sports
- › Gaming



## M.B.A HR/Finance/Marketing/Logistics & SCM

Master of Business Administration (MBA) with specialization in HR / Finance provides a solid grasp of human resources and best financial practices prevalent in today's economy.

An MBA in Human Resources incorporates subjects that impart knowledge about personnel management — Management Process and Organisation Theory, Individual Behaviour in Organisation, Accounting & Finance, Human Resource Management, Managerial Communication, Skill Development, Performance Management & Competency Mapping, etc.

### Job Profiles in M.B.A HR

- › Compliance HR Manager
- › Talent Acquisition HR Manager
- › Labour Relations Manager
- › Training HR Manager
- › Training and Development Specialist

An MBA in Finance revolves around subjects related to the management of finances and accounts. These include Micro Economics, Financial Modelling, Corporate Social Responsibility, Supply Chain Management, Principles of Accounting, Principles of Marketing Management, Tools and Frameworks for Decision Making, Quantitative Methods and Statistics, Supply Chain Management, etc.

### Job Profiles in M.B.A Finance

- › Financial Advisor
- › Accounting & Taxation Managers
- › Credit Risk Managers
- › Financial Analyst
- › Investment Bankers
- › Portfolio Manager



# CHOOSE J.N.N

## Skills >>> Degrees

### Get Skilled with {CodeCamp}

The demand supply gap scenario, exponential opportunities and dynamic challenges in the 21st century call for a change in our thinking on engineering practice and education. A transformation on the current engineering education is the need of the hour. Contrary to the present demands, students churned out from engineering colleges are not equipped to meet the current industry needs due to the growing gap between engineering practice, education and research which requires a lot of concern. As a timely response, it is this concern for the students that has led J.N.N Institutions to initiate CodeCamp, a perfect launch pad to the job world. CodeCamp provides immense opportunities for an unmatched knowledge base by imparting all necessary skills to students and makes them job ready.

### Why {CodeCamp} ?



<ul style="list-style-type: none"><li>Java Fundamentals</li><li>Java Foundation</li><li>Java Programming</li><li>DDP with SQL</li><li>Database Foundations</li><li>DP with PL/SQL</li></ul>	<ul style="list-style-type: none"><li>Web Design</li><li>Database Fundamentals</li><li>Network Fundamentals</li><li>Software Development</li></ul>	<ul style="list-style-type: none"><li>CIS V2</li><li>Data Science &amp; Analytic</li><li>ISM V3</li><li>DPM</li></ul>	<ul style="list-style-type: none"><li>CCNA</li><li>Networking Essentials</li><li>Cyber Ops</li></ul>
<ul style="list-style-type: none"><li>RH124</li><li>RH134</li><li>RH254</li></ul>	<ul style="list-style-type: none"><li>Cyber Security Analyst</li><li>CompTIA Security+</li></ul>	<ul style="list-style-type: none"><li>vSphere 6</li></ul>	<ul style="list-style-type: none"><li>Android Developer</li></ul> <ul style="list-style-type: none"><li>Automation Anywhere</li></ul>



# CHOOSE J.N.N

## CENTRES OF EXCELLENCE



## CHOOSE J.N.N PLACEMENTS

## PLACEMENTS\* 2023

We have been delivering value year after year!

2023 - 24

## PLACEMENT STATISTICS

400+

Total Offers

150+

Multiple Offers

72

No. of companies

60%  
40%

Male / Female



12.2  
LPA  
HIGHEST  
PACKAGE



4.5  
LPA  
AVERAGE  
PACKAGE

### SECTOR - WISE PLACEMENT



### STREAM - WISE PLACEMENT

CSE	86 %
ECE	82 %
AI&DS	74 %
BME	84 %
AGRI	78 %
R&A	74 %
MBA	81 %

\* Placements are in progress

### OUR RECRUITERS





# CHOOSE J.N.N J.N.N INNOVATION & STARTUP INCUBATION CENTRE (JISIC)

## Why JISIC?



## OUR GOALS

Fostering Maker Movement | Creating a Culture of Innovation  
Building a strong Startup Community | Promoting & Nurturing Entrepreneurship  
Providing Infrastructure for Entrepreneurs

## Long Term Focus Areas

- 🎯 Agritech
- 🎯 Healthcare
- 🎯 Clean Energy
- 🎯 Transportation
- 🎯 AI / IOT
- 🎯 Smart Materials
- 🎯 AR / VR
- 🎯 Robotics / Drones



**NAAC 'A' Grade**  
in the very 1st Cycle



**NBA**  
Accredited Courses



**Recognised with Autonomous**  
status in a short span of 13 Years



# CHOOSE J.N.N LIVING ON CAMPUS

Living on campus is a once in a lifetime experience and J.N.N's facilities make for a good home away from home.



Delicious home cooked food



Comfortably furnished AC & Non-AC rooms



Wi-Fi with 50 Mbps broadband



RO Treated Drinking Water



AC Gym



Rooftop Futsal & Badminton Court



Food Court with all Amenities



Pharmacy



24 hour automatic laundry



24 hour campus security



Indoor Games



Solar Water Heater



## Apply Online

[www.jnn.edu.in/admissions](http://www.jnn.edu.in/admissions)

## Admission Enquiries



**96000 57121**  
**98842 82631**

[www.jnn.edu.in](http://www.jnn.edu.in)   

## Chat with us!



## View Google Map



## Campus

90, Ushaa Garden, Kannigaipair,  
Chennai Periyapalayam Highway,  
Tamil Nadu 601102

## Nellore Admission Office

Sri Krishna Towers  
2nd Floor, Office No 15,  
Annamaya Cir, Nellore

## Ongole Admission Office

Kosuri Complex, Saibaba Mandir Rd,  
Lawyer Pet, Ongole