

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING KURNOOL

**(AN INSTITUTE OF NATIONAL IMPORTANCE
UNDER MOE, GOVT. OF INDIA)**





Placement Brochure

2021 - 2022

DIRECTOR'S MESSAGE:



Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kurnool is the youngest among five centrally funded IIITDMs and established as part of Andhra Pradesh Reorganization act in the academic year 2015-16 at the historical city of Kurnool in Rayalaseema region.

Our Institute is recognized as an Institution of National Importance by an act of Parliament. The institute has a permanent campus at Jagannathagattu, Dinnedevapadu, Kurnool. The institute offers 4 undergraduate programs in Computer Science and Engineering, Artificial Intelligence and Data Science, Electronics and Communication Engineering and Mechanical Engineering with a total annual intake of 240 students, 3 M. Tech Programs with Data Analytics and Decision Sciences, Electronic System Design and Smart manufacturing with an annual intake of 45 students, and Ph. D program.

Our campus is located at one of the most scenic locations of Kurnool in a huge 190 acres of land making it a best and pleasant place for young and aspiring students. Being adjacent to Nandyal – Kadapa highway, the institute is well connected to all parts of the country.

All the faculty are highly qualified with Ph. D degrees from reputed institutes across India and outside India. Three batches of students were passed from this campus already.

The institute's goal is to provide aesthetically pleasing, environment-friendly green campus facilities to enhance the learning, teaching and interdisciplinary research activities. The institute has organized various Techno-Cultural activities to enhance the practical learning and Industry Exposure of the students.

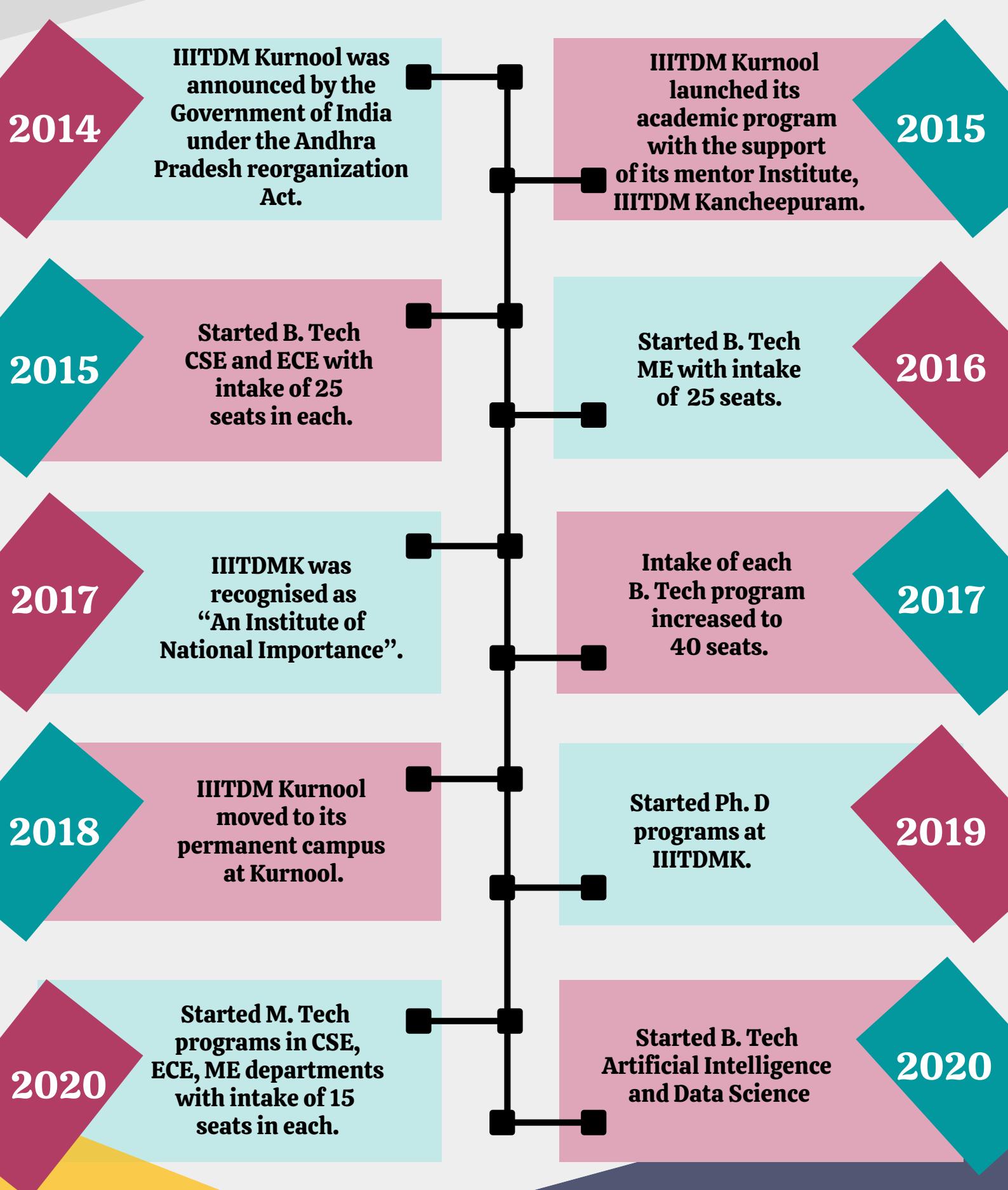
I am sure that our students and faculty will carry the flagship of IIITDM Kurnool to greater heights by applying their knowledge in an interdisciplinary manner to provide solutions for various industrial, societal and research and development projects and will stand as responsible and dedicated technocrats in the process of nation building.

I wish all my students best of luck.

Jai Hind.

**Prof. DVLN Somayajulu
Director**

JOURNEY OF IIITDM KURNOOL



ABOUT

Indian Institute of Information Technology Design & Manufacturing Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014, and its subsequent publication in the Gazette of India, Extraordinary, Part- II, Section I, on December 08, 2014. The Institute is located far away from the bustling life of metropolis in the mineral-rich mountain trails of Rayalaseema region of Andhra Pradesh. The place offers a perfect environment to nurture a peaceful state of mind required to carry out research and other student activities. The campus is situated at the top of a hill that oversees the Kurnool city. The beautiful mountain and valley offer a scenic view of sunrise and sunset.

The campus is located alongside the Rayalaseema Express Highway (NH 40) at a paltry distance of 20 kilometers from Kurnool Airport. Our Institute has excellent infrastructure, world-class faculty, state-of-the-art laboratories and sports amenities in the permanent campus. Currently, the Institute offers admissions to B. Tech, M. Tech and Ph. D programs in the branches of Computer Science, Electronics and Communication Engineering and Mechanical Engineering.

VISION, MISSION & CHARTER

VISION

To become a leading institute of higher learning in Information Technology enabled design & manufacturing to create technologies and technologists befitting the industries globally.

MISSION

To become a center of excellence pioneering in education, research & development, and leaders in design & manufacturing.

CHARTER

To carry out advanced research and development activities in design and manufacturing technologies, both on its own and on sponsorship basis for the industry.

CONTENT

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 - **Electronics & Communication Engineering**
 - **Mechanical Engineering**
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ADMISSIONS

All those students who have cleared the Joint Entrance Examination (JEE Mains) are eligible for taking admission for the B. Tech courses offered by IIITDM Kurnool and which stands as a testimony in itself about the quality of our students.

Admissions are given through GATE Ranks for the M. Tech courses in IIITDM Kurnool.

For Ph. D admissions, Institute Entrance Exam is conducted.

B. Tech	All India Rank based on JEE Mains
M. Tech	GATE Rank
Ph. D	Institute Entrance Exam

ACADEMIC PROGRAM

B. TECH

- CSE** - **Computer Science and Engineering**
- ECE** - **Electronics and Communication Engineering with Specialization in Design and Manufacturing**
- MECH** - **Mechanical Engineering with Specialization in Designing and Manufacturing**
- AI&DS** - **Artificial Intelligence and Data Science started in 2020**

M. TECH

- CSE** - **Data Analytics and Decision Sciences**
- ECE** - **Electronic System Design**
- MECH** - **Smart Manufacturing**

Ph.D

- CSE** - **Computer Science and Engineering**
- ECE** - **Electronics and Communication Engineering**
- MECH** - **Mechanical Engineering**

Department of Sciences – Physics and Mathematics

CURRICULUM

Computer Science and Engineering curriculum is modeled on the ACM (Association for Computing Machinery) recommendations and is the first of its kind engineering program offered in India. This program is aimed at producing engineers equipped with skills required for efficient hardware-software interaction.

The Program encompasses a variety of topics that relates to computation, like analysis of algorithms, programming languages, program design, software, and computer hardware. In addition to courses offered by the conventional Computer Science curriculum, this novel program offers core courses such as Embedded Systems, Human-Computer Interaction, Simulation and Modelling, Signals and Systems, Product Design, etc., that equip the students with both computing and electronics engineering skills that are very much required for the successful creation of products requiring hardware – software interactions.

Our graduates would find wide scope in VLSI, Embedded Systems and Electronics Product Manufacturing related industries in addition to application development avenues and higher studies that are open to conventional Computer Science engineers.

Following are the courseworks taught in CSE department:

- Computational Engineering
- Discrete Structures for Computing
- Programming and Data structures
- Probability Theory
- Design and Analysis of Algorithms
- Database Systems
- Computer Organization & Design
- Operating Systems
- Computer Networking
- Automata and Compiler Design
- Artificial Intelligence
- Computer Architecture

CURRICULUM

Today's Electronic Product Design and Development requires the skillful blend of expert hardware and software engineering together with a spirit of creativity and innovation that is also tempered by the practical concerns of manufacturability, cost consciousness and reliability.

The Electronics and Communication Engineering with specialization in Design and Manufacturing curriculum is designed to provide advanced theoretical and practical training of all aspects relevant to the design, development, and production of modern electronic systems and subsystems.

The Electronics and Communication Engineering with specialization in Design and Manufacturing program prepares you for a wide range of engineering study and career options, including business, biomedical engineering, computer hardware, the aerospace industry, computer software, Nano electronic chips, photonics, Nano engineering, robotics, and solar energy harvesting and distribution

Following are the courseworks taught in ECE department:

- Digital Logic Design
- Signals and Systems
- Analog Circuits
- Digital Signal Processing
- Mechanical Design of Electronic Systems
- Sensing Instrumentation
- Analog and Digital Communication
- Microprocessors and Microcontrollers
- VLSI Design
- Embedded Systems
- Wireless Communications

CURRICULUM

Mechanical Engineering with specialization in Design and Manufacturing offered by IIITDM Kurnool augments the existing Mechanical Engineering curricula offered by IITs by offering design courses on conceptualization, visualization, and engineering simulations. Equipped with well-structured instruction and learning resources and research facilities, the institute aims to disseminate education in the interdisciplinary areas of design and manufacturing engineering.

Design visualization imparted through graphic art practice and product design practice enable students to conceptualize, design, simulate and develop tangible products. Students undergo interdisciplinary courses such as embedded systems, instrumentation, controls, automation and advanced manufacturing technology that will help them to design and develop innovative engineering products. Students can choose courses among electives and pursue their interests. The program offers a blend of courses that impart knowledge on design thinking and interdisciplinary engineering in addition to basic sciences.

Following are the courseworks taught in MECH department:

- Thermodynamics
- Fluid Mechanics and Hydraulic Machinery
- CAD/CAM
- Additive Manufacturing
- Design for Manufacturing and Assembly
- Mechanics of Materials
- Quality Inspection and Product Validation
- Computational Methods in Engineering
- Kinematics of Machinery
- Dynamics of Machinery
- Automation in Manufacturing
- Design of Machine Elements

CURRICULUM

B.Tech. in Artificial Intelligence and Data Science is a most demanded degree programme with the curriculum specifically designed to nurture future-ready Artificial Intelligence and Data Science professionals. Expert members from academia and industry have provided inputs in introducing specialized courses in the curriculum to suit the in-demand, industry-relevant skills.

To further enhance the quality of the programs, the department has academic collaborations with several Industrial Experts who are working in some of the prestigious companies across the world.

Following are the courseworks taught in AI & DS department:

- Introduction to Problem Solving and Computer Programming
- Python Programming
- Probability and Statistics
- Data Structures and Algorithms
- Programming Languages
- Discrete Mathematics
- Introduction to Artificial Intelligence and Data Science
- Design and Analysis of Algorithms
- Database Management Systems
- Data Mining
- Operating Systems
- Data Communication and Networking
- Software Engineering
- Machine Learning
- Game Theory
- High Performance Computing

LABORATORIES

CSE

- **Operating Systems**
- **Computer Architecture**
- **Product Design**
- **Object Oriented Algorithm Design and Analysis**
- **Database Systems**
- **Computer Organization and Design**
- **Computer Networking**

ECE

- **VLSI Design Laboratory**
- **Electric Drives Laboratory**
- **Analog/Digital Electronic Circuits Laboratory**
- **DSP and Communication Laboratory**
- **Microprocessor and Embedded Systems Laboratory**
- **Sensing and Instrumentation Laboratory**
- **Electronic Manufacturing and Prototyping Laboratory**
- **RF and Microwave Integrated Circuits Laboratory**

MECH

- **Fluid Mechanics and Heat Transfer Laboratory**
- **Thermal Engineering Systems Laboratory**
- **Manufacturing Technology Laboratory**
- **Quality Inspection and Product Validation Laboratory**
- **Mechanical Design Laboratory**
- **Manufacturing Automation Laboratory**
- **Engineering Workshop**

INTERNSHIPS

As part of the curriculum, every B. Tech student needs to undergo an internship for a period of 5 months.

Pre-Internship

- Faculty mentor selected and assigned to student
- Student provided with necessary theoretical inputs required like technical skills, project management, goal setting, communication skills, research methodology

Internship

- Internship/Training Coordinator Appointment
- Alumni Mentor Appointment
- Online weekly activity report
- Written monthly activity report
- Visit of Co-op Faculty Coordinator to the internship location
- Final evaluation of student by the Faculty/Industry mentor

Post-Internship

- Project report submission, with comments from Internship/Training Coordinator
- Presentation by students to reflect their accomplishments, experiences, learning and value add to their growth

CLUBS

Technical Clubs

- CSE - Código, Data Science
- ECE - Electrophiles
- MECH - Mech-an-Idea

Cultural Clubs

- Apertura- Photography Club
- ThugD
- Roohaniyat
- Arts and Fibres
- Drama
- Fun



Teams

- SSG
- NSO
- Newsletter

Other Communities

- Microsoft Learn Local Chapter
- Google Developer Students Club



EVENTS BY CODIGO CLUB

GAME OF BITS Coding Contest



Winners

- 1) Pranab Singh
- 2) Nitin Kumar
- 3) Jayanta Das
- 4) Pankaj Diwedi
- 5) Shubham Negi

Codigo events at Solasta 2k20



Winners

- 1) Code On - Tanishk Tonk
- 2) Reverse Coding - Tanishk Tonk
- 3) App-A-Thon - Sahil Mishra

Cyber Security Workshop ON 13TH MARCH 2020 by ADIROHA SOLUTIONS PVT. LTD

GOOGLE DEVELOPER STUDENTS CLUB

The goal of DSC is to build powerful open source community, which will create projects as per the current industrial needs. Knowledge is worth and we are building an empire.

Competitions by Google DSC

Let's Begin Coding Contest



- 1) Shivam Mishra
- 2) Sai Manvitha Enadula
- 3) Kappagantula Sai Deepika Lahari

#Define Coding Contest



- 1) Utkarsh Tiwari
- 2) Himanshu Bharti
- 3) Harshit Prajapati

IPL20 Machine Learning Competition



- 1) Monish Raj
- 2) Anktih Reddy
- 3) Harsha Vardhan

ACCOMPLISHMENTS

Flipr Hackathon 8.0

Adarsh Shrivastava, Pravallika Saladi, Nagulapalli Utham secured 3rd rank in Flipr Hackathon 8.0 organized by Flipr Innovation Labs.

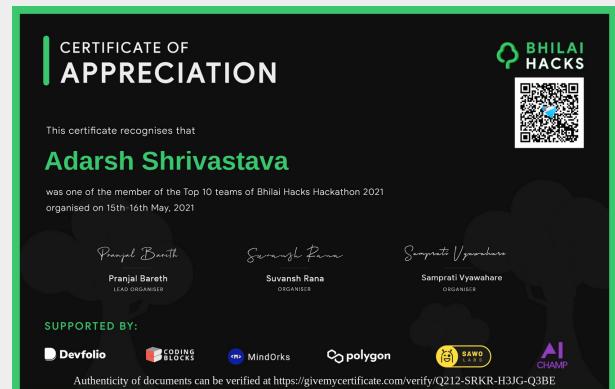


Bhilai Hacks 2021

Abhishek Kumar, Adarsh Shrivastava secured 8th rank in Bhilai Hacks. The team Developer's Monk also won Portis Track prize for best Blockchain based app worth Rs 15k.

Flipr Hackathon 9.0

Adarsh Shrivastava, Pratik Kumar, Abhishek Kumar won 2nd prize in Flipr Hackathon 9.0 organized by Flipr Innovation Labs.





Toycathon 2021

Harsha Teja, Prachetas Nair, Sathwik Vadla with mentor Dr. Pullarao Muvvala qualified for the Grand Finale of Toycathon 2021 organized by Ministry of Education's Innovation Cell in January 2021.

Major League Hacking INIT 2020

Sai Manvitha Enadula secured 60th place out of 6500+ participants in Major League Hacking INIT 2020 that took place from June 27 - July 5, 2021

PUBLICATIONS

Lasya Ganapathi "Alternating Current Electroluminescence Device guided for lowering the Blood Pressure", **5th IEEE International Conference on RTEICT-2020** on 12th-13th Nov 2020, organised by Sri Venkateshwara College of Engineering, Bengaluru, Karnataka

Harsha Vardhan Bathala, Deepak Rai, Hiren Kumar Thakkar, Deepak Singh "Machine Learning Assisted Automatic Annotation of Isovolumic Movement and Aortic Valve Closure using Seismocardiogram Signals" Conference paper, organised by **2020 IEEE 17th India Council International Conference (INDICON)**.

ABOUT TRAINING AND PLACEMENT CELL

IIITDM Kurnool an ‘Institute of National Importance’ is growing by the day and reaching greater heights. The Institute focuses not only on the career-oriented growth of the students but also on making them resourceful and independent. There is a consistent growth in our placements graph. Graduating, today more than ever needs the student to equip oneself with in-depth knowledge of the subject, which is the prime focus of our teaching at IIITDM Kurnool. Our pedagogy gives equal importance to both theoretical and practical nature of education. The need of the hour is to instill advanced communication skills alongside quality technical expertise. The Placement Cell at IIITDMK is committed towards achieving 100 percent placements for students. The Placement Cell is active in organizing workshops, guest lectures and seminars and also encourages them to participate in various other extra-curricular activities. We are passionate towards grooming our students not only to become competent, skilled and knowledgeable individuals but also as dedicated and responsible citizens of India.

The Training & Placement Cell provides all audio-visual aids as per the requirement and protocol of the visiting organization for various placement related events such as presentations, conferences, written test, group discussion and personal interviews. If any organization desires to conduct online tests for the students, all the necessary arrangements will be made on campus as per requirements of the organization on prior intimation. Interviews are encouraged to be conducted online through various online platforms if any organization chooses not to visit the campus on account of the pandemic.

VISION AND MISSION OF PLACEMENT CELL

VISION

Equipping the students with relevant and conceptualized professional skills and guiding them towards a bright future and career all around the world with the values of -Sincerity, Hard Work and Justice.

MISSION

To achieve 100% placement for students through dedication, attitude and complete involvement is our mission. The Training and Placement Cell, guided by a set of rules and principles, strives to maintain good relationship with industries. To create maximum opportunities for the placements of the eligible students in the job market by establishing a rapport with the industry people.

RECRUITMENT PROCESS

Companies that wish to participate in the recruitment at Indian Institute of Information Technology, Design and Manufacturing, Kurnool are required to indicate the job profile, preferred skill set and approximate Cost To Company by dropping a mail to placementcell@iiitk.ac.in. Based on this information, the schedule for the placement drive is fixed by the placement cell in consultation with the company.

ON CAMPUS

The drive is conducted as scheduled. Companies can choose to give a pre-placement presentation. The entire procedure for recruitment (Group Discussion, Aptitude Test, Personal Interview etc.) is as per the company's policy. All facilities and logistics for the recruitment will be arranged by the placement cell.

OFF CAMPUS

Companies which are unable to visit the Campus are provided with the updated CV/Resumes of the registered students. The company may choose to shortlist the students and call them for the recruitment process at their office. Post recruitment process the recruiting company is required to announce and intimate the college placement cell about the final list of selected candidates.

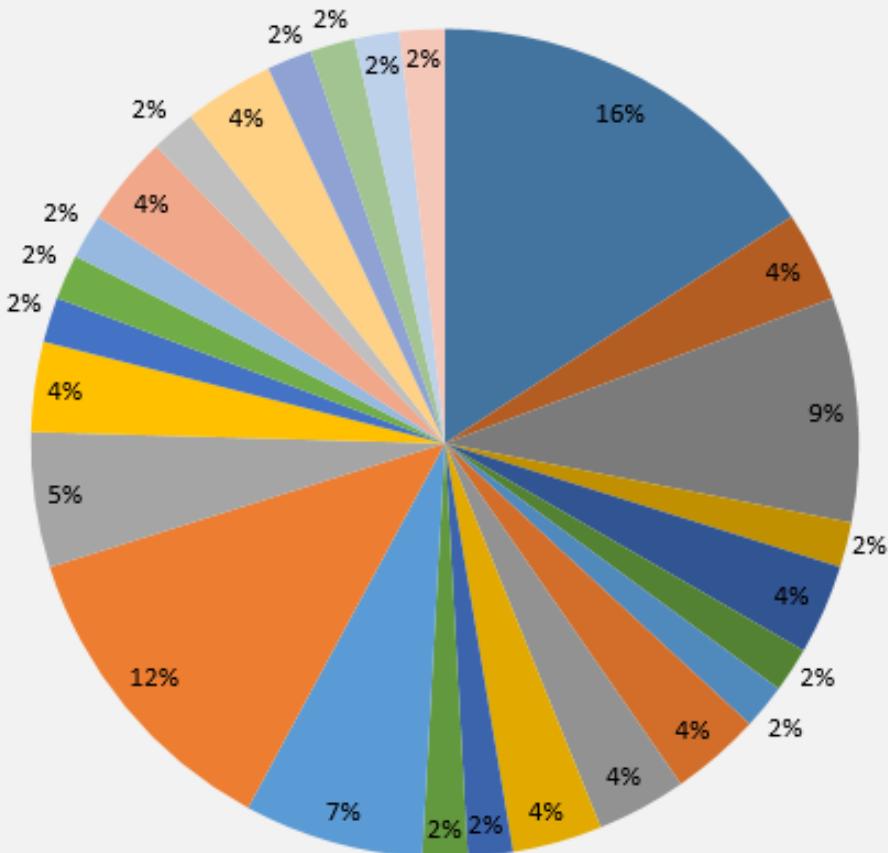
PLACEMENT STATISTICS

S. No	Organization Name	LPA	No. of Students selected	Package (in LPA)
1	Mindtree	(3-5) LPA	9	4
2	JIO Platform	(12-15) LPA	2	15
3	Legato Health Technologies	(10-12) LPA	5	12
4	Impress.ai (Off Campus)	(5-7) LPA	1	7
5	TCS (Off Campus)	(5-7) LPA	2	7.2
6	VNC Digital Services	(3-5) LPA	1	4
7	Tech Vedika	(3-5) LPA	1	4.5
9	Virtusa Polaris	(3-5) LPA	2	4
10	SSOSEC	(3-5) LPA	2	3.5
11	TCS (Off Campus)- Ninja	(3-5) LPA	2	3.36
12	Planet Spark	(5- 7)LPA	1	6.5
13	India Urban Data Exchange	(6- 8)LPA	1	7.8
14	MSR Cosmos	(3-5) LPA	4	4
15	Infosys	(3-5) LPA	7	5
16	Edureka	(3-5) LPA	3	4.25
17	Edureka	(3-5) LPA	2	4
18	Byjus(Off Campus)	(3-5) LPA	1	4.75
19	BigBasket	(5- 7)LPA	1	7
20	NatWest Group	(8-9) LPA	1	9
21	Revature	(5-6) LPA	2	5
23	Cognizant	(3-5) LPA	1	4.5
24	Wipro	(3-5) LPA	2	3.5
25	Vogo Automotive Pvt.Ltd	(5- 7)LPA	1	6
26	Wiley Mthree	(3-5) LPA	1	5
27	Startup Pedia	(5- 7) LPA	1	6
28	Thales- Group	(5- 7) LPA	1	6

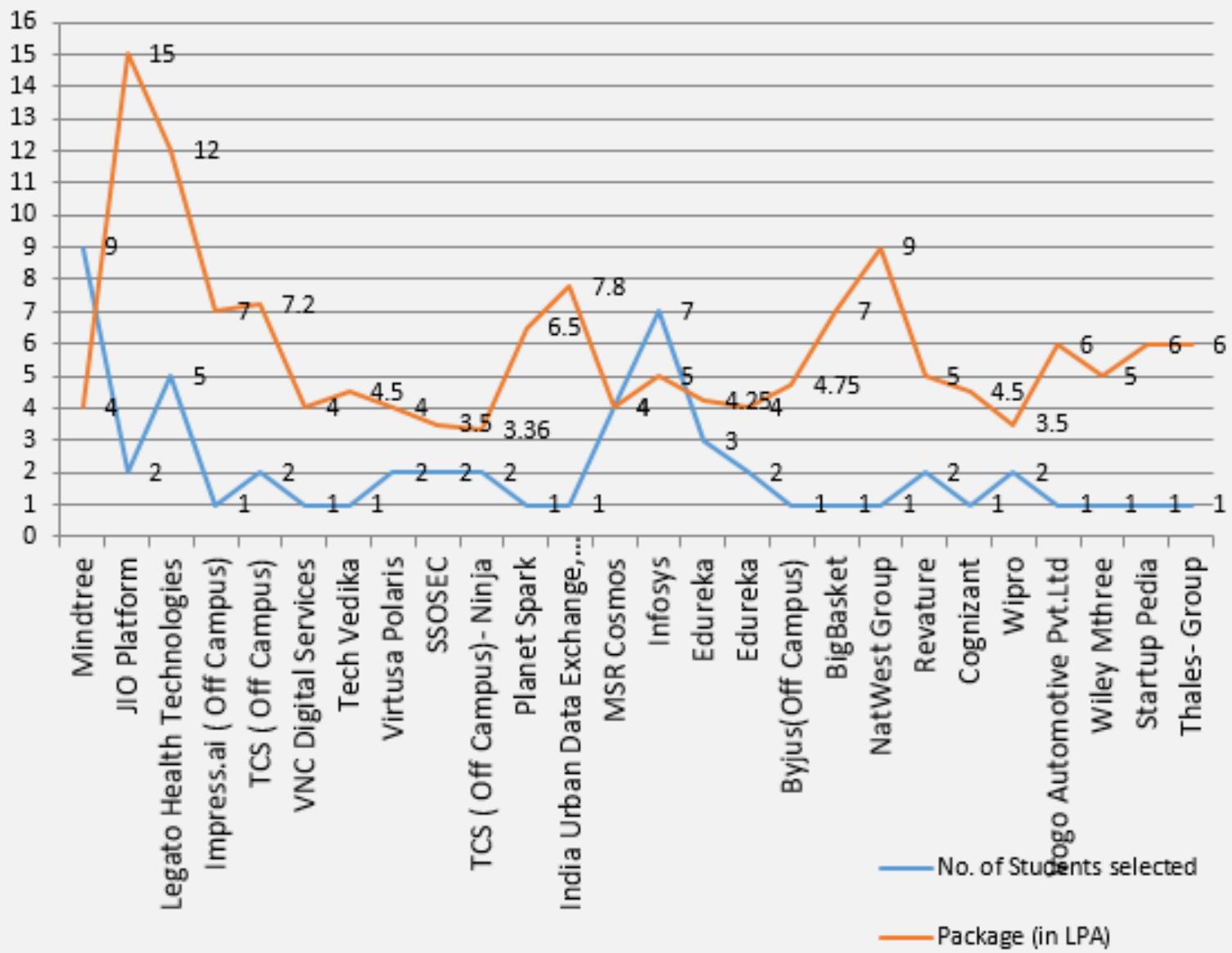
PLACEMENT STATISTICS

No. of Students Selected

- | Company | LPA Range |
|--|-------------|
| Mindtree | (3-5) LPA |
| Legato Health Technologies | (10-12) LPA |
| TCS (Off Campus) | (5-7) LPA |
| Tech Vedika | (3-5) LPA |
| SSOSEC | (3-5) LPA |
| Planet Spark | (5- 7)LPA |
| MSR Cosmos | (3-5) LPA |
| Edureka | (3-5) LPA |
| Byjus(Off Campus) | (3-5) LPA |
| NatWest Group | (8-9) LPA |
| Cognizant | (3-5) LPA |
| Vogo Automotive Pvt.Ltd | (5- 7)LPA |
| Startup Pedia | (5- 7) LPA |
| IIOT Platform | (12-15) LPA |
| Impress.ai (Off Campus) | (5-7) LPA |
| VNC Digital Services | (3-5) LPA |
| Virtusa Polaris | (3-5) LPA |
| TCS (Off Campus)- Ninja | (3-5) LPA |
| India Urban Data Exchange, IISc. Bengaluru | (6- 8)LPA |
| Infosys | (3-5) LPA |
| Edureka | (3-5) LPA |
| BigBasket | (5- 7)LPA |
| Revature | (5-6) LPA |
| Wipro | (3-5) LPA |
| Wiley Mthree | (3-5) LPA |
| Thales- Group | (5- 7) LPA |



PLACEMENT STATISTICS



JIO PLATFORMS



15 LPA

PARDHUMAN YADAV



ANSHUMAN SINGH

LEGATO HEALTH TECHNOLOGIES

AKKINAPALLI GAYATHRI

12 LPA



SHUBHAM NEGI

12LPA



HARSHA VARDHAN BATHALA

12 LPA



GOUSE MOHAMMAD

12 LPA



NALLAJARLA NIHARIKA

12 LPA



PREVIOUS RECRUITERS



TATA
CONSULTANCY
SERVICES



edureka! LEVADATA <epam>



virtusa | POLARIS™



Mindtree

DELHIVERY

Tech Vedika

CSW
Cyber Security Works

illumnius

MAQ
Software

kore.ai

infor iimpress

vnc
TECHNOLOGY SIMPLIFIED

mroads

AUTONINJA
India's largest Auto CRM

ImpactGuru.com

SSOSEC



planetspark

PLACEMENT CELL STUDENT COORDINATORS



CSE



Mithilesh M Handrale

118CS0003@iiik.ac.in

Navanitha Kovuri

118CS0014@iiitk.ac.in

Harshit Prajapati

118CS0042@iiitk.ac.in



Harini Budde

118EC0022@iiitk.ac.in



B Padmanabha Nikhil

118EC0029@iiitk.ac.in



ECE



MECH

Ranva Sai Sahithi **Kaustubh Jagdish Sarode**
118ME0006@iiitk.ac.in 118ME0007@iiitk.ac.in



CONTACT US

IIITDM Kurnool campus is located at Dinnidevarapadu Village, on a hilltop called “Jaganathagattu” in Kurnool district of Andhra Pradesh, close to the Nandyal - Kadapa Highway. The campus is about 12 kms from Kurnool City Railway station, and 3 kms from G. Pulla Reddy Engineering College, Kurnool. One could get an auto from the Railway station or Bus stop to IIITDM Kurnool. The auto rickshaw will charge approximately Rs. 350. The important landmark in between Kurnool city and IIITDM Kurnool are

- 1. C-camp**
- 2. G. Pulla Reddy Engineering College and**
- 3. Jaganathagattu temple (Roopla Sangameswaraswamy Temple).**

IIITDM Kurnool is located at a distance of approximately 100 meters from Jaganathagattu temple.

Faculty In-Charge :

Dr. J. Krishnaiah, Ph.D

Mobile : +91-9442544782

Landline : 08518- 289102 & 289128

Email : krishnaiah@iiitk.ac.in



www.iiitk.ac.in



placementcell@iiitk.ac.in

LinkedIn

<https://www.linkedin.com/in/training-placement-cell/>

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