



Jyothy Institute of Technology ciirc®

Tataguni, off Kanakapura road, Bengaluru-560082

Approved by The All India Council for Technical Education (AICTE) - New Delhi;

Affiliated to Visvesvaraya Technological University (VTU), Belagavi



ECE, CSE, ISE, CIVIL- Accredited by National Board of Accreditation (NBA) - New Delhi.

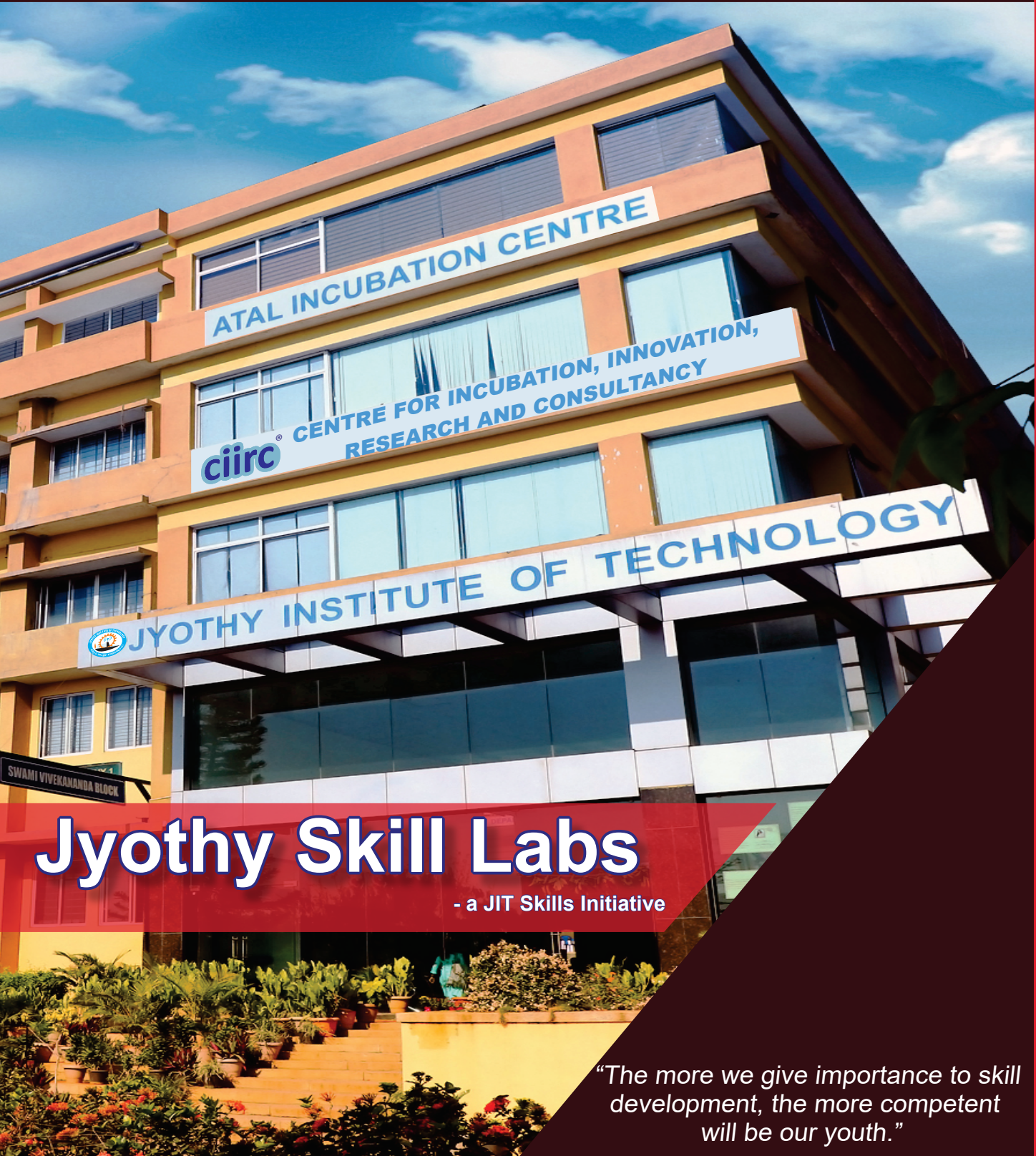
NIRF RANK: 250-300 in 2020, ARIIA RANK: 25-50 in 2020, Performer in 2021

NIRF- INNOVATION 101-150 BAND, GOLD Rating by QS-IGAUGE

Phone: 9535423635

Email : principal@jyothyit.ac.in

Website: www.jyothyit.ac.in



Jyothy Skill Labs

- a JIT Skills Initiative

"The more we give importance to skill development, the more competent will be our youth."

- Sri Narendra Modi
Hon.P M India



www.jyothyit.ac.in
www.ciirc.ac.in
www.aic.jitf.org



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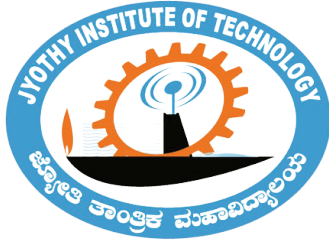


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I-GAUGE

Through rigorous and independent data collection and analysis against performance metrics as set out in the methodology, QS I-GAUGE awards



JYOTHY

INSTITUTE OF TECHNOLOGY

Bengaluru, Karnataka

GOLD



I-GAUGE

INDIAN COLLEGE RATINGS

Date of Issue: 22.01.2024

Valid Till: 22.01.2026

Dr Ashwin Fernandes
CEO, QS-ERA India Pvt Ltd

QS I-GAUGE is a nationwide rating system for universities, colleges, and schools in India. It provides academic institutions with a roadmap to effectively benchmark their performance with reference to key indicators and further lay down developmental strategies for upgrading their educational services.

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Jyothy Institute of Technology abbreviated as JIT, is affiliated to Visvesvaraya Technological University and is approved by AICTE, New Delhi. JIT was established in the year 2011 under the leadership of Karnataka Rajyothsava Awardee, Dharmika Pravara

Dr. B N V Subrahmanya, a visionary par excellence and philanthropist who built the institution in memory of his late daughter Jyothy. Currently the institution is headed by Smt. Seetha Subramanyam. Since inception JIT has grown to be one of the reputed technical institutions in the city of Bengaluru and Located in Thataguni, (12°50'38.21N 77°30'42.43E) off Kanakapura road (NH 948(Previously 209)) , near Art of Living International Centre. Jyothy institute of Technology is built on a 4.5 acre campus and has all the infrastructure expected of a modern engineering college. JIT is on the path of progress through addition of new infrastructure and adoption of ISO practices.



Smt. Seetha Subramanya

The institution offers Undergraduate Engineering Programmes in the disciplines of

- Civil Engineering
- Mechanical Engineering
- Computer Science & Engineering
- Information Science & Engineering
- Electronics & Communication Engineering
- Artificial Intelligence & Machine Learning



A view of the JIT Campus

Four of the engineering programmes are accredited by NBA for the period 2018 – 2025. Besides this the Institution also offers Post Graduate Programmes in

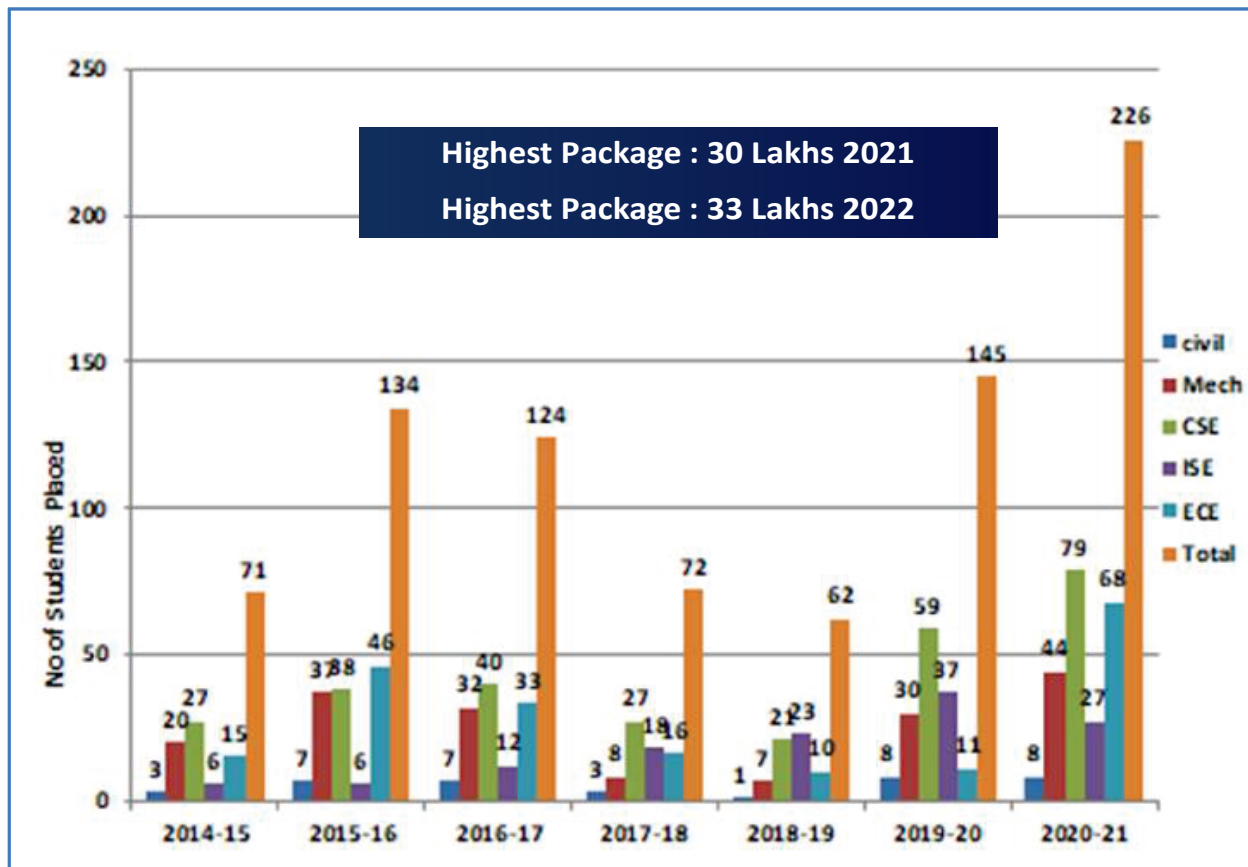
- Food Technology
- Product Design & Manufacturing
- Structural Engineering

The PG programmes are supported by industry personnel with the professionals identified from industry participating on topics of relevance. All the students will be provided with paid /unpaid internships in reputed companies for 6-12 months. Select students may be offered fellowships based on their performance during the course of study.

The institution also offers Doctoral programmes in the following disciplines namely:

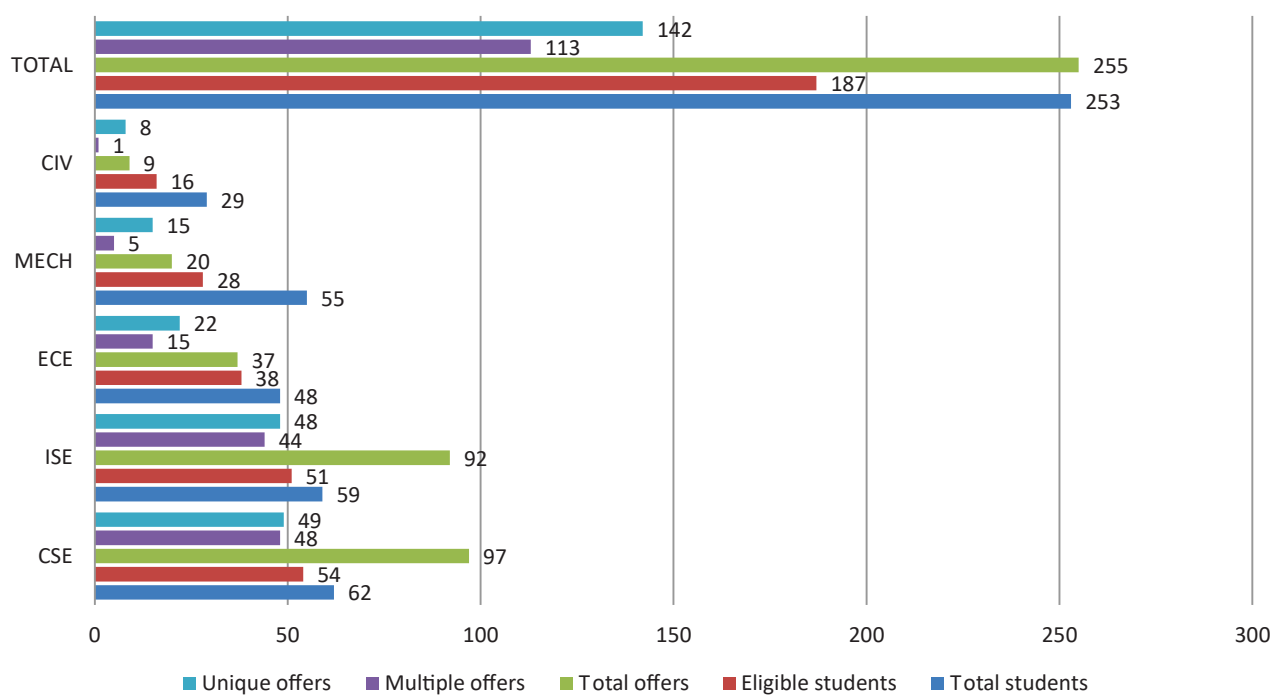
Computer Science & Engineering/Information Science & Engineering, Mechanical Engineering, Electronics & Communication Engineering, Civil Engineering, Nanotechnology, Biotechnology, Physics, Chemistry, Mathematics, Polymer Science & Technology, Material Science & Engineering and is a recognized R&D Centre of Visvesvaraya Technological University (VTU).

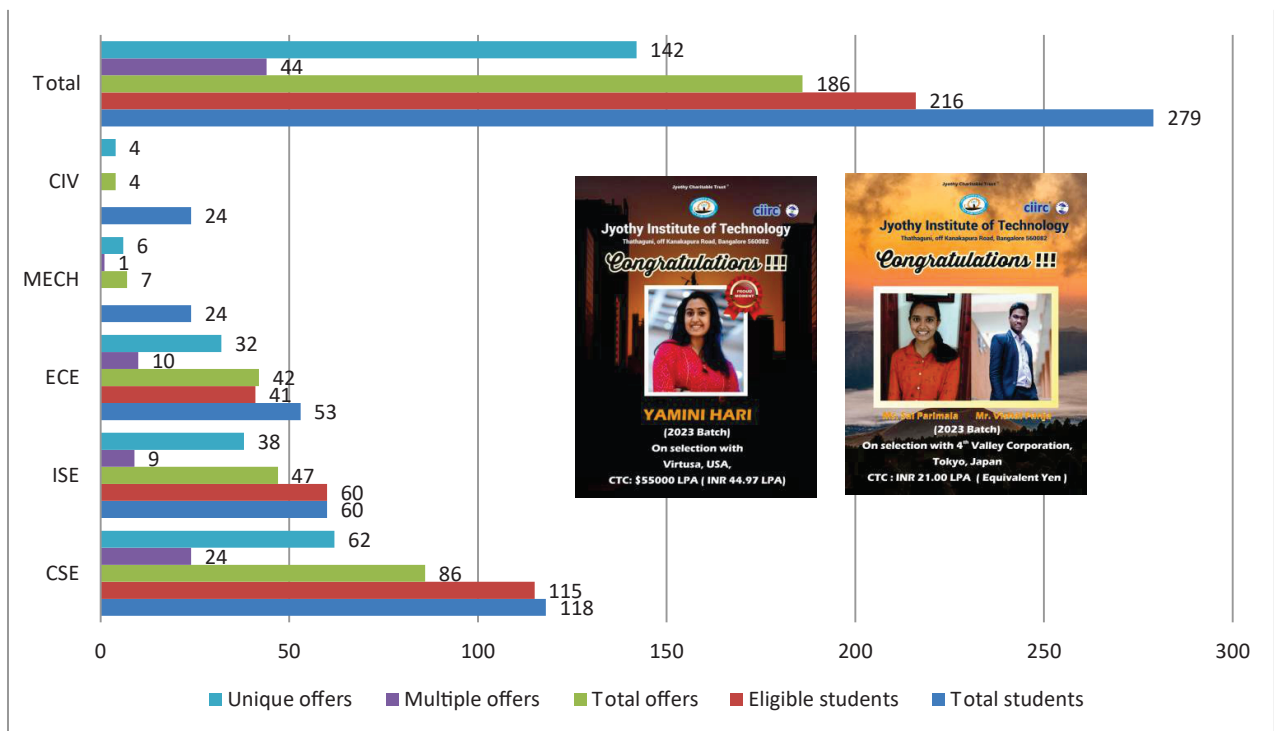
The number of placements is also a quality indicator for any technical institution. The placement in the year 2021-22 has been the highest with more than 253 offers. All the eligible students are placed with a CTC ranging upto to 8 Lakhs per annum and beyond.



The Placement statistics from 2015 to 2021

Placement report 2023





Typical recruiters include



RESEARCH & DEVELOPMENT (www.ciirc.res.in)

JIT is on the path of progress through addition of new state of the art Research Centre: Centre For Incubation, Innovation, Research and Consultancy (CIIRC)

CIIRC is a SIRO Centre, has 35 I ii, IT Concession & FCRA Certificate.

CIIRC is an exclusive Multidisciplinary R&D Centre with research and innovation labs spread over 100000 Sq.ft at a cost of 50 Crores funded by Sri Sharadha Peetham Sringeri in the areas of

- Affordable Medical Devices & Sensors
- Computational Engineering
- Autonomous Systems
- Remote Sensing & VLSI
- Surfaces & Interfaces
- Ancient Indian S&T
- Biocomposites & Biopolymers
- Cell & Molecular Biology
- Energy
- Environmental Engineering
- Food Technology
- Nanobiotechnology
- Nanoscience & Engineering
- Plant & Microbial Technology
- Thermal Engg
- Tribology
- Water

alongside a dedicated **Sophisticated Instrument Facility** housing instruments such as SEM, XRD, GC, FT-IR, DSC, TGA, BET Surface Analyser, Electrochemical Workstations and a host of other equipment including a 100 Terraflop computing facility, Students in house and from outside have the benefit of utilizing these facilities for carrying out their projects and internships.

PEOPLE

The institution has a dedicated team of teaching and research staff with 57 doctorates and 60 masters who are alumni of premier institutes such as IISc, IIT, NIT, Central, State and Foreign Universities. The institution also currently has about 35 ongoing projects funded by Govt. agencies such as DST, DRDO, DBT, MOES, DOS, VGST, KCTU, BIRAC, UGC-DAE etc.

RESEARCH LABS - Snapshot



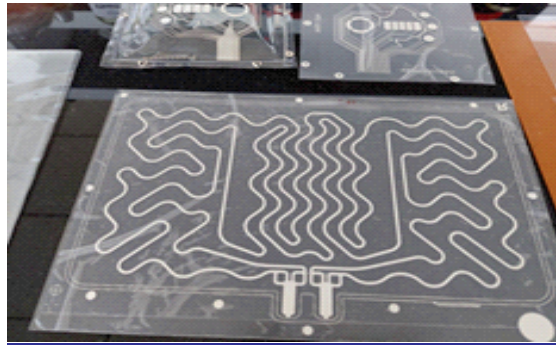
In terms of its Publication record, the faculty have numerous publications in peer reviewed National & International Journals indexed in Scopus/Web of Science, Thomson Reuters with good impact factor, h & i10 Index, large no of Citations, Books & Book Chapters. The institution also offers technical and consultancy services to various organizations. In terms of collaborations the institute has several R&D, Industrial, International and academic MOU's.

The faculties of the institute have been conferred with the following awards:

Commonwealth Fellowship, BRICS Young Scientist, DBT Women Fellowship, DBT Ramalingaswamy Fellowship, CSIR, Raman Charpak Fellowship, WOSA, WOSB from DST, BIRAC-Shrishti award, DST Young Scientist, Member Executive Council of VTU and others.

The highlight of the achievements of the institution has been hosting ISRO satellite receiver for data collection pertaining to IRNSS satellite, Leading the 4th Indian Scientific expedition to the North Pole (Arctic) for mapping arctic glaciers in Sep 2019 and thus by becoming the first Indians to fly drones in the Arctic, Antarctica & Himalayas, Winning Bangalore Nano 2018 for the most innovative products and Nano Sparx in 2020, Being the Pace setting car at the Asia Pacific and Coffee-500 rally running our cars on biodiesel made from Waste Cooking Oil in 2017 and going to the south pole ie, Antartica in Nov 2020 as part of an International expedition and much more.

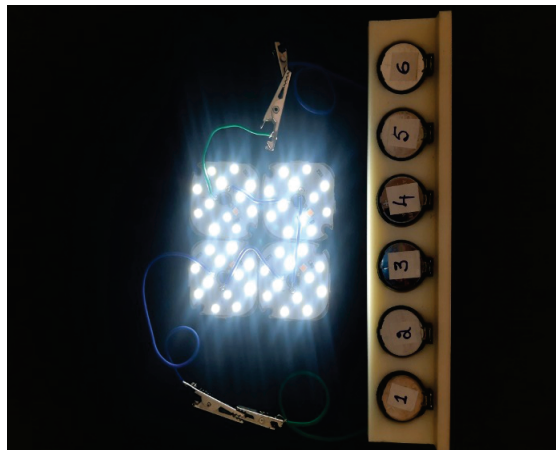
TYPICAL CIIRC PRODUCTS (SELECT)



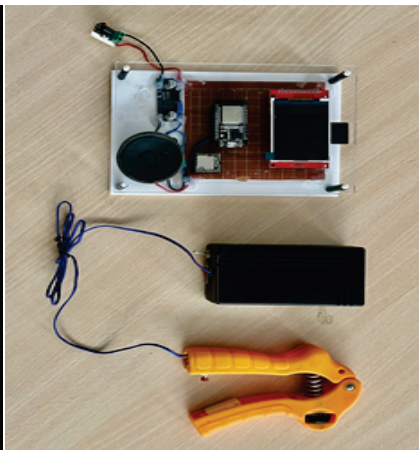
Flexible Electronic Ckts



Remote Sensing Lab- Mapping Melting of Glaciers



Supercapacitors



Interactive IOT Devices for The Children with Juvenile Arthritis



Food Sensor



Quad Copter



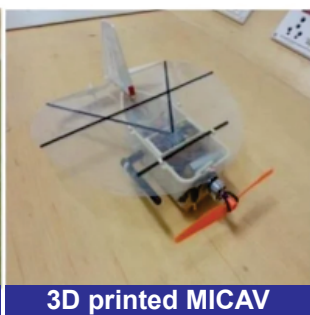
Autopilot



Heat Pipe for Electronic Devices



Micro-Air Vehicle



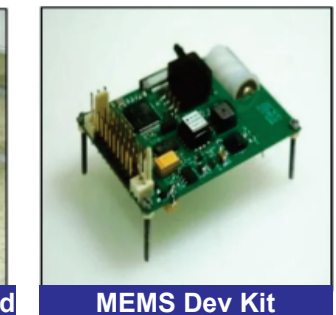
3D printed MICAV



Micro- Amphibian



Embedded Dev Board



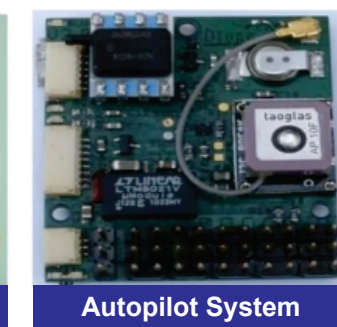
MEMS Dev Kit



Tracking Antenna



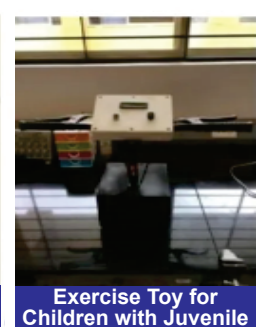
Radio Modem



Autopilot System



Robotic Fish



Exercise Toy for Children with Juvenile Arthritis

INCUBATION & START-UP (www.aicjitf.org)

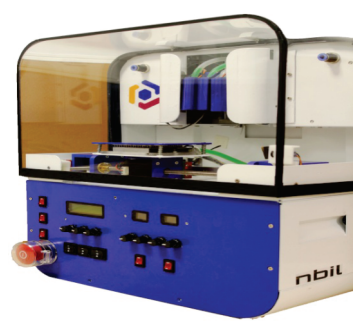
For a student aspiring to become an entrepreneur, the mechanism is in place to support such students with capital through its Innovation and Entrepreneurship Development Centre (IEDC) and Industry-Institute Cell (IIC). The Institution also has the prestigious Atal Incubation Centre AIC-Jyothy funded by NITI Aayog, GoI spread over an area of 60,000 Sq.ft. The AIC-Jyothy is one among the top 10 incubators in the country. The no of startups operational on campus stands at 82⁺. These startups offer paid internships to many students of JIT. The AIC-Jyothy also offers Entrepreneurship programs to all students to groom young leaders in technology for tomorrow.

The accomplishments of AIC-Jyothy are as follows:

- Atal Incubation Centre, NITI Aayog, GoI- Rs.9.86 Cr
- Infrastructure: 60000 Sq.ft.
- Focus Areas: Materials, Food Tech, Sensors and Devices
- Incubations: 82⁺
- Startup Grants: DST, VELGROW- US, DBT, SISFS, IHF, HIMEDIA, INFOSYS, K-Elevate_34.81 Cr
- Startup india seed funding : Rs.5 cr Phase1
- Startup india seed funding : Rs.5 cr Phase2
- NSTEDB- DST Skill development program: Rs. 15.8 lakhs
- 23 Startups Graduated
- One among the top 5 Best Incubators in the country (Billgates and Wadhwani Foundation)
- Valued at Rs.450 Cr, Employment 250⁺
- Won Arohana social innovation from Infosys and ZS Prize
- 5 Star Rating by Startup india
- Got sanction for NIDHI Prayas scheme -8 crores from DST
- NIDHI Accelerator Programme from NEB-DST-8 Crores
- HDFC Bank Parivarthan Startup Grants (16-01-2024)
- Several startup products being exported to overseas

The AIC –JITF received Rs 5 crore under startup seed funding scheme which provides the impetus for early stage startup and pre seed funding.

AIC-JYOTHY STARTUP PRODUCTS(SELECT)



3D Bio Printer



Collaborative Autonomous Mobile Robots



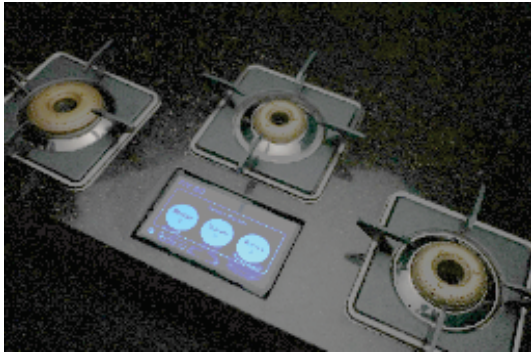
Mental Health care Assessment System



Developing Motor Controller for Electric Vehicles



Food Adultration Testing Kit



Fuego Intelligent Gas



Hob Borer Management device to be used in Agriculture



Remote controlled Agrobots



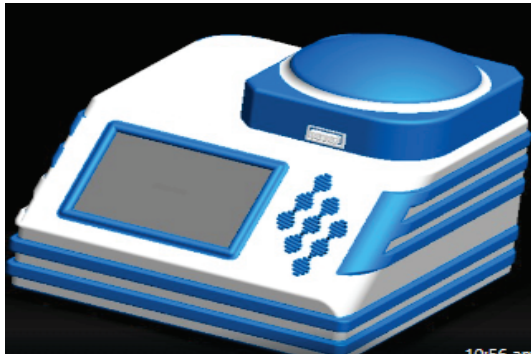
Customized Robots & other Automation Systems



Edible Cutlery



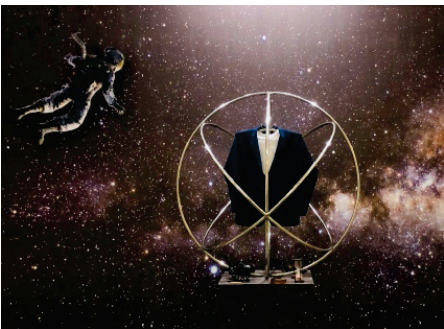
Supportive System for Defense



PCR Unit



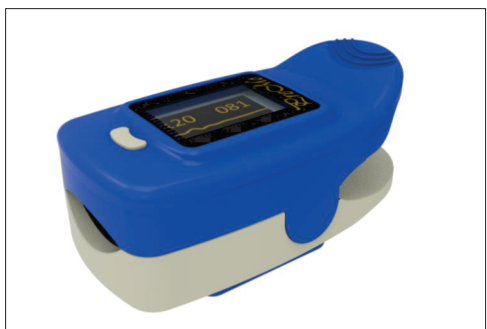
Propellers for QUADROTORS



Supportive System for Defense Apparatus



work from Home Unit



Cuff Free BP measurement

STUDENT INCUBATIONS

The institution has supported incubation activities and has currently 82 incubated companies through its incubator AIC-Jyothy and 9 through its research centre CIIRC and has developed close to 200 products of relevance to society and few are already available on AMAZON and other online e-commerce platforms. Incubatees have also been awarded start-up grants from BIG-DBT, VELGROW, INFOSYS, K-Elevate and others. The start-ups have been developing numerous products.

AIC-Jyothy and JIT have supported student Startups with seed funding. The startups operational on campus are

- Florita Pvt. Ltd
- Sant India Pvt. Ltd
- Shine Logic Solutions Pvt. Ltd
- EthiReal Technologies Pvt. Ltd
- Blue Napkin Pvt. Ltd
- Bluetick Innovation pvt. Ltd

Jyothy Institute of Technology has established several Centers' of Excellence. They are:

1. CoE in Internet of Things



Tequed labs offers hands on skill training in the domains of IoT. It offers workshops, lecture series, Faculty Development Programmes and others.



- a. Ai & ML Certification
- b. Block Chain Certification
- c. Full Stack Web Development
- d. Internet of Things
- e. Cyber Security and Ethical Hacking
- f. React -JS



2. CoE in Automation and Robotics

JIT has established a state-of-the-art Robotics and Automation lab with support from e-Yantra* IIT Bombay. This lab is an in-house lab with more than 20 hands on working modules to learn.

Unique features:

- e-Yantra brings a project-based component into engineering education - i.e. “learn by doing” and domain specific training to build real-world problem-solving abilities.

The centre of excellence offers a variety of skill training and hands on sessions to Electronics and Communication Engineers and Mechanical Engineers. They offer training in the vistas of Internet of Things, Automation and Robotics.



e-Yantra is a robotics outreach program funded by the Ministry of Education and hosted at IIT Bombay. The goal is to harness the talent of young engineers to solve problems using technology across a variety of domains such as: agriculture, manufacturing, defence, home, smart-city maintenance and service industries.

3. CoE in Hydraulics and Pneumatics



Dovers India Pvt. Ltd, is a diversified global manufacturer with annual revenues of approximately \$7 billion. They deliver innovative equipment and components, speciality systems and support services through four major operating segments: Energy, Engineered Systems, Fluids, and Refrigeration & Food Equipment. This world class company offers skill training in testing of Hydraulic and Pneumatic equipments on JIT campus.

4. CoE in Cyber Security



JIT jointly with Enterprise Building Training Solutions (EBTS) has established a Centre of Excellence (CoE) in Cyber Security. JIT has engaged EBTS for skill training on Cyber Security under the CoE agreement.

JIT also signed an MoU with EC-Council for Ethical Hacker Certification. Students can learn from this to become a Certified Ethical Hacker.

5. CoE in PCB Design and Development Centre

JIT has established a Centre of Excellence in PCB design and development. Two layered PCB's can be designed and fabricated at this centre.

6. CoE in Embedded Systems



JIT has signed an MoU with Loginware Softtec Pvt. Ltd, an industry-leading technology company at the forefront of delivering sophisticated and digitally transformative solutions for the manufacturing sector, for design & development of Embedded Systems.

7. CoE in Embedded Systems

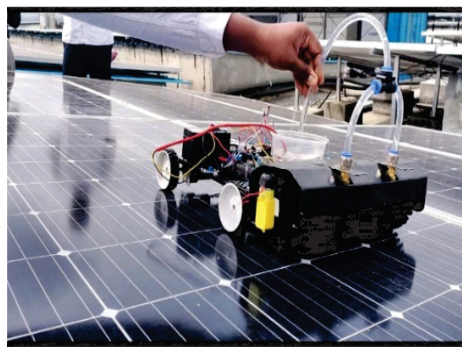


JIT has signed an MoU with WEFAA ROBOTICS, Singapore, through Skandish Ventures, for training staff and students on building robots, programming and assembly.

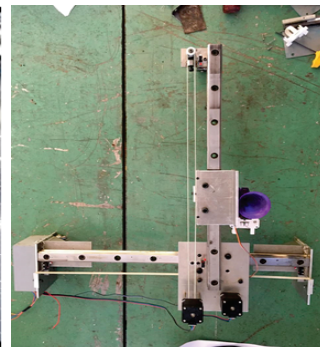
RECENT SELECT PRODUCTS OF JIT



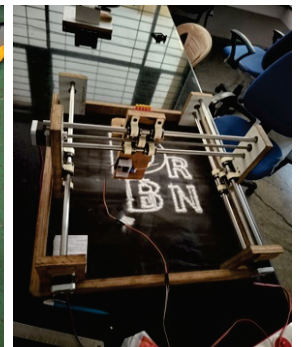
AI JYOTHY



SOLAR PANEL CLEANING BOT



RANGOLI PLOTTER VER 1



RANGOLI PLOTTER VO

Highlights / Accomplishments / Achievements of JIT:

- NIRF-INNOVATION- 101-150 Band 2023
- GOLD RATING by QS-I GAUGE, a nationwide rating system for Universities, Colleges & Schools
- AAA Rating by Career 360
- NBA Accredited (CSE, ECE, ISE -Valid till 2025, CIVIL 2025)
- NIRF 2020 251-300 Band
- ARIIA 2020 :25-50 Band
- Won National level Hackathon 2020, 2022
- Won VTU Avishkar Best project Award 2020
- KSCST Won Best Project Award- CIVIL Dept 2021
- KSCST Won Best Project Award- ECE Dept 2021
- KSCST Won Best Project Award – Mechanical Engg Dept 2021
- Won SAE AERO USA Global Competition _9th place in Lakeland, Florida USA 2023
- Only institution to possess an exquisite, exclusive, and excellent R&D Centre- CIIRC-Research in more than 20 domains
- Green Campus
- Reputed faculty from IIT, IISc, Foreign Universities
- Multi -disciplinary STEAM (Science, Technology Engineering, Arts and Mathematics) Research
- Only Academic Institution in South Bangalore to get Atal incubator through NITI-Aayog in 2018. It is the one among the top 5 incubators in the country
- Language Club: Foreign Language classes- Japanese, Korean & German
- Excellent Placements in reputed international companies
- Highest package of 46 Lakhs INR & 21 Lakhs in Japan in 2023
- Gold Ring for best outgoing student of the College
- 90+ STARTUPS for internships
- Financial Support for patent and Paper publication in reputed Journals
- Seed funding for student startups
- Won Smart India Hackathon - 2020, 2022
- 24X7 green energy - Solar rooftop Power Plant - 350 KVA
- Paid internships for students in reputed IT industries
- Govt./Merit Scholarships- Leela Poonawala, SSP & WIPRO SANTOOR, IEEE WIE - QUEST GLOBAL
- Skill Training – 10 Verticals identified, One Horizontal
- Placement Aptitude and Skill Training
- Industry professional Mentoring
- Overseas Education help Desk
- NCC, NSS
- Outdoor Gym, Basketball court, cricket, Volleyball, throw ball, swimming pool
- Weight Lifting Facility, Archery
- Winners Bangalore Nano 2018 for the most innovative product and Nano Sparx , Bangalore Nono 2020 , Winner -Atal National Innovation Grand Challenge 2018
- Program specific Membership of Professional bodies: IEEE, IEEE-CSI, SAE, CSI, ICI, BITES, ISTE, IE, National Cyber Security Research Centre (NCSRC)
- Annual National Flagship Technical competitions: Hackathon, Gameathon, Enigma, Robothon
- Pranathi- a bi-annual Cultural Fest

OUTREACH

In terms of its outreach activities the institute has adopted the local village Tataguni and helps to serve the village through various means. The institution has recently been selected for the Unnat Bharath Abhyaan (UBA) and is also involved in the Swachh Bharath Abhyaan campaign, Youth for Seva, Fit India and many more. Jyothy Charitable Trust has instituted Gold Medal for Rank Holders in Visvesvaraya Technological University. The campus is a green campus and has solar power generating capacity of Half Megawatt with the current generation being pegged at 350 KVA.

SKILL LAB INITIATIVE

JIT offers skill training starting from semester 1 through semester 6. The skill training year wise is as follows:

Semester 1 &2

Explore classes: Visit of various labs of JIT R&D center
Weekend hands-on training in niche areas of research

Soft skill such as Communication, English Grammar, Vocabulary, Personality Traits

Semester 3, 4, 5 & 6

Soft skill training of 4days in each semester
Horizontal Training in C/C++, Python, JAVA

A student can choose one vertical in every semester starting from semester 3 to 6. Support to get professional certification is in place.

Technical Training in 13+ Verticals namely HTML, IoT, Red Hat technology, Cyber security, React JS, Angular JS, Data sciences, Android, Programming in Linux Environment, Solid Works, e-Tabs, CYPE, CATIA, etc

Specialized training in various domains such as Remote Sensing, Cancer Genomics, Machine Learning, 3D printing, UAV / MAV design, Food Technology, Embedded Systems, Ancient Indian Sciences, Bio-Composites, Computational engineering, Surface Engineering, Heat pipes, Etc,

Semester 7 & 8

- Internship at CIIRC/ AIC-jyothy/ other reputed Companies
- Placement drives
- Projects
- Project Exhibition - Best Project award





BEST OUTGOING STUDENT WITH GOLD RING



RANK STUDENT FELICITATION



BEST OUTGOING STUDENTS OF JIT

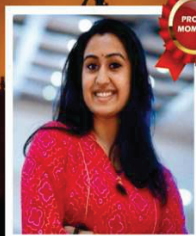


Ms. Sai Parimala Mr. Vishal Panja
(2023 Batch)

On selection with 4th Valley Corporation,
Tokyo, Japan

CTC : INR 21.00 LPA (Equivalent Yen)

HIGHEST PACKAGE (CTC) OFFERED YEAR 2023



YAMINI HARI

(2023 Batch)

On selection with
Virtusa, USA,

CTC: \$55000 LPA (INR 44.97 LPA)



JIT STOOD 9TH GLOBALLY IN THE SAE AERO AT LAKELAND , FL, USA

- HIREGANA
- KATAKANA

JAPANESE



KOREAN



GERMAN

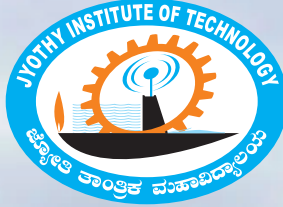


FOREIGN LANGUAGE PROFICIENCY COURSES

With the blessings
of



SRI SHARADA PEETHAM, SRINGERI



www.jyothyit.ac.in
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www.aic.jitf.org



9071117475



**Tataguni, off Kanakapura road,
Bengaluru-560082**