

Annual report of Academic year 2020 – 2021

AWARDS AND RECOGNITION

The Academic Year 2021 – 2022 was an eventful year and Chennai Institute of technology has reached several milestones and has excelled in several activities during this year.

- Secured 175th NIRF Ranking under Engineering Category and Chennai Institute of Technology is one of the Youngest Institution in the country to be ranked in the top 200 by NIRF
- National Board of Accreditation has given accreditation for six years to ECE and EEE Programmes and Three years to CSE, Mech and MCT Programmes. All the six programmes have secured more than 700 marks which also first of its kind for an Institution.
- National Assessment and Accreditation Council (NAAC) has ACCREDITED OUR Institution with A+ grade and with a CGPA of 3.47 out of 4
- In the journey of imparting Technical Education, Chennai Institute of Technology has transformed to the new phase by becoming an Autonomous Institution from the academic year 2022 – 2023. University Grants Commission has conferred Autonomous status for a period of 10 years.
- CIT is awarded with 4/4 Star rating in innovation by MHRD Innovation Council.
- Chennai Institute of Technology has been ranked in Excellent Band by ARIIA Ranking.
- MSME has given recognition as host institution for conducting Incubation programme.
- AICTE has sanctioned IDEA lab to Chennai institute of Technology with a funding of 1.10 crores. Chennai Institute of Technology was one amongst the 36 Institutions across the country selected by the AICTE for the establishment of IDEA Lab.

ADMISSIONS

The first and foremost satisfying achievement of CIT is getting highly meritorious students in the first year of both undergraduate and postgraduate programs. We are nothing less than proud to proclaim that we continue to be in one of the few top engineering institutions which admit the full quota of students in all the programs.

In this academic year the intake was increased from 840 to 1080 by adding two new UG programmes B.E. Computer Science and Engineering (Cyber Security) and B.E. Computer Science and Engineering (Artificial Intelligence and Machine Learning) and also increase in intake in B.Tech. Information Technology from 60 to 120, and in B.Tech. Artificial Intelligence and Data Science from 90 to 150.

Chennai Institute of Technology is attracting the top performers of +2 examinations. In the ongoing TNEA process 2022 – 2023, 73.40% of our seats got filled up within first round of counselling with highest cut off mark of 199 and lowest cut off mark of 184.5. Based on the preference by the Engineering aspirants in TNEA 2022, Chennai Institute of Technology has become the 5th most preferred Engineering Institution in Tamil Nadu and also the 2nd most preferred Self Financing Engineering Institution. During this year more than 7000 engineering aspiring students along with their parents have visited our campus for considering Chennai Institute of Technology as their preferred Institution for admission.

ACADEMIC PERFORMANCE

Year after year, our students show excellent academic performance in the Anna University Examinations. The highly creditable academic performance of our students in their semester end examinations is the proof in the palm of the excellence of our students and the dedicated services rendered by our staff. This year, our immediate passed out students of batch 2018-

2022 have showed more impressive graduate pass percentage, 100%. Also based on the academic performance our Institution has been ranked at top second position amongst all the colleges affiliated with Anna University.

RESULTS

In the May/June 2022 and Nov/Dec 2021 end semester examinations, our undergraduate students registered creditable performance with 100% and 99.3% overall pass percentage respectively.

In the Nov / Dec 2021 end semester examination, first year students have produced a pass percentage 94.28% and has been ranked at number one position in Anna University amongst 450 + Engineering Institutions.

In the Apr / May 2022 end semester examination, the overall pass percentage was 81.17% and has been ranked at 2nd position in Anna University amongst 450 + Engineering Institutions.

INDIVIDUAL LAURELS

The last batch of graduates, UG and PG, through their meritorious performances, have brought great laurels to the college by bagging 26 University ranks in various courses, both UG and PG, based on their performances in the end semester examinations. Our Alumni Mr. Velkumar has bagged the First Rank in the Mechatronics Engineering and has received the Gold medal from our Hon. Prime Minister

QUALITY INITIATIVES TO ENHANCE ACADEMIC EXCELLENCE

- 52 class rooms are converted into ICT enabled class room.
- Nearly 16 professional clubs were inaugurated and students actively participated in the club activities.
- Various technical events were accomplished for the students.
- Online Certification Courses for all the faculty members is made compulsory and the students are motivated to complete the certification courses from various organizations like NPTEL and Coursera
- IQAC has been revamped and regular academic audit check and other quality measures were initiated.

- Faculty members and the students use Google classroom for sharing the materials related to academics.
- Campus wide Wi-Fi facility was enhanced.
- 12 MoUs were signed with leading industries / associations for internship and project, with this addition the total number of live MOUs is 52.
- 500+ Webinars have been organized for all the students as an interactive session to develop their technical knowledge and enhance their profession skills under the banner of Knowledge 4.0 series.
- Organized AICTE sponsored International conference.

CENTER OF EXCELLENCE

Centre of Excellence in the following emerging areas were established

1. Product Lifecycle Management with Capgemini
2. Artificial Intelligence Managed Services Virtusa
3. 5G with Capgemini
4. Intelligent Automation Testing with Virtusa

Flagship Events of CIT

1. Career guidance program is conducted regularly to create awareness about higher Education at 150+ Schools in various districts of Tamil Nadu.
2. FUNJINIA workshop is conducted for the + 2 students to have the better perspective about Engineering Education in the month of April, June and June.
3. CIT Carnival of Science Project Exhibition for 10th, 11th and 12th students is being organized every year to enable them to have better knowledge about science subjects through simple working models and applications in August month. In this academic year around 400 projects were displayed and around 7000+ students from Chennai, Kancheepuram and Thirvallur Dist students participated.
4. In Collaboration with Dinamalar Ungalal Mudiyum, Career guidance Program is organized for +2 students to create awareness about Engineering Education and TNEA process.

5. Career Compass 5.0 is conducted in which around 50+ experts from different domains have delivered the expert talk.
6. Thakshsila 2022 , a techno cultural is conducted in which about 1500+ students from other institutions have actively participated
7. I am glad to submit that we inculcate in our students the spirit of service to the needy sections of society; we have adopted 5 villages Pudhupedu, Amarampedu, Kattrampakkam, Nalur and Venkadu under AICTE – Unnat Bharat Abhiyan scheme. Our NSS unit organized Cleanliness awareness camp, Avoidance of plastics, Blood Donation Camp, Dental camp, Medical camps and Tree plantation camps in these villages.
8. Hosted the Toyathon event which is a competition being undertaken by Ministry of Housing and Urban Affairs under Swachh Bharat Mission-Urban (SBM-u 2.0) with the aim of ‘Rethinking Indian toy industry’.
9. 3- TEDx programs were organized in our Institutions.
10. NCC camp was hosted in our campus, 500+ NCC cadets participated from all over Tamil Nadu.
11. Teacher’s day was celebrated and given best teacher awards for 28 school teachers.
12. International Women’s day was celebrated under the WISE club and Women Achiever ward was given to 6 women who have excelled in different field.
13. We have conducted around 36 extension and outreach programmes under the banner of NCC/NSS/YRC in association with NGOs and corporate.

INDUSTRY INTERACTION

The following interaction activities were conducted with industries during 2021-22.

1. Consultancy services were offered to 38 industries and an income to the tune of 38.17lakhs were generated.
2. Sponsored Research funding has been received from to 7 industries to the tune of 139.96lakhs.
3. 500+ students have undertaken internship in around 100+ companies.
4. 24 technology transfers were done to different industries.

5. Executive training programmes were conducted for about 100+ working professionals.
6. 50% of our faculty members have undertaken training programme from various industries.
7. 8 faculty members were given sabbatical leave for the period of 6 months to work in industries.
8. In order to provide the opportunity for experiential learning, industrial visits were arranged for our students.
9. Experts from industries have given guest lectures and expert talks.

RESEARCH THRUST

The real development of institutions of higher learning can happen only when the teaching and research happens simultaneously. Our college is one of the few institutions which encourages the research both at student and staff level.

To promote research, the college encourages and sponsors faculty members to pursue higher education.

About 40% of our faculty members are possessing Ph.D. qualification and 62 of our Faculty Members from various departments are pursuing research leading to PhD.

Seventeen of our faculty members are recognized guides for research programs and they are guiding **48** Ph.D. scholars.

PUBLICATIONS IN JOURNALS

The motivation and supportive environment provided by the college to its faculty members in pursuing research have started yielding in terms of journal publications.

This year 653 papers were published in the reputed journals in that 274 papers were published in Q1 and Q2 SCI journals.

H-index of institution is 28.

Citations of our institution from reputed data bases like Scopus , WoS and Google is 4352 , 3274 and 7587 respectively.

16 patents were published in the year 2021.

Based on the research publication, Chennai Institute of Technology is ranked at 3rd position amongst all Engineering Institution in Tamil Nadu.

GRANTS RECEIVED

I proudly put on record that our college is one of the very few colleges in whole of Tamil Nadu which receives funding from many government agencies on a regular basis for the conduct of Research STTP, FDP. And Skill Development centre for SC/ST students Government agencies, like AICTE, DST, CSIR, UGC etc., are our prestigious sponsors. So far, we have received funding up to **Rs. 157.48 lakhs**.

STAFF ACHIEVEMENT

Some of the achievements made by our faculty members are:

Dr.R.Karthikeyan Professor/ECE recognized as Top 2% Scientist by Stanford-Elsevier 2021 among worldwide.

Dr.V.Dinakaran Professor / Mech. Received National Best Technical Teacher Award 2022 from AICTE.

Totally 26 faculty members have successfully completed Doctoral Degree Programme during the Academic year 2021-2022.

A total of 609 Faculty development programmes were attended by our faculty which is conducted by NITTTR , AICTE Sponsored and NPTEL.

Few of our faculty members were invited to deliver talk in various institutions about recent technologies.

PLACEMENT & TRAINING CELL

The placement record of our college is the most impressive. It is a proof of how much we care for the future of our students. The college trains all the students to excel in technical knowledge and life skills. From the batch of 2021, Out of 584 eligible students 511 of our

students have been placed in various prestigious organizations and 29 students pursuing Post Graduate programme in reputed Institutions.

Our college is one of the top 5 colleges in Tamil Nadu which consistently shows good placement record. Our management engaged professional trainers to train our final year students apart from our own faculty trainers to make them ready for placement. Placement and training cell conducts aptitude tests every week for final and pre-final year students to train and guide the students in getting placed. As on date, the following companies conducted campus interviews and recruited students;

Few of our Major recruiters are:

- Accenture
- TCS
- Kaar Technologies
- Pega Systems
- Serendebyte
- Rane
- Tessolve
- HCL
- Thoughtworks
- Areteans
- Quest Global
- Global Edge
- EASI
- CTS
- INFOSYS
- Capgemini

- JSW
- ZOHO
- Amazon
- Juspay
- Our aim is primarily to assist our students to become employment generators rather than job seekers.10% of our students are involved in various Startups, Incubation, Entrepreneur activities and pursuing higher studies in the reputed institutes in India and abroad. In-house foreign language training classes for German and Japan languages were conducted. Guidance were given for the GRE, TANCET, GATE, TOEFL and other Competitive/Public service examinations.

ALUMNI ASSOCIATION

The college nurtures healthy relationship with its alumni by inducting all the final year students into it. We have formally registered our alumni association under registration Act during 2021-2022. Office bearers were elected and an alumni meet was conducted on 15.08.2021 and 26.01.2022.

Alumni have contributed to the institution by conducting webinars, interacting with students and mock interviews. Alumni members have contributed Rs.5 Lakhs funding during 2021-2022 to the institution.

SCHOLARSHIP

A scholarship worth **Rs 11.12 crore** have been awarded by our management to the students during this academic year about 1579 students were benefited during 2021-2022.