IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

Annual Report 2021-22

IFET College of Engineering, since its inception in 1998, renders a commendable service to the field of higher education and the society. In introducing innovative practices, in amalgamation of teaching and learning with technology, in offering programmes to help the students to hone future skills and in balancing academic and co & extracurricular activities, the college stands as the model college in this region.

The annual report for 2021-22 summed that up.

❖ **Accreditation** promotes institutions to meet and maintain the high standards, in turn, increasing trust and confidence in them among the public and boosting accountability. Accreditation helps potential students and helps their families to play a certain level of trust on the institution. Our institution has the following accreditations. Autonomous status, NBA accredited courses, NAAC accredited, awarded 2f and 12B status by UGC, New Delhi. IFET received Platinum category consecutive for three times by AICTE and CII surveys.

❖ **Awards:**

Appreciating and rewarding is a great approach to celebrate hard work and success. Award is recognition to an institution based on performance in various exposures. IFET is honoured by the following awards.

- ➤ 9th rank among 497 colleges in Tamil Nadu under Anna University, Chennai.
- ➤ 6th rank among 540 colleges in Tamil Nadu under Anna University, Chennai.
- ➤ IFET is ranked first among 27 neighboring districts.
- ➤ According to a survey conducted by India Today in 2019, IFET is listed in the top 200 best private engineering colleges in India.
- ➤ IFET has received the best college award from former Tamil Nadu Minister K. Pandiarajan and the best performing college award from Here Maps Bangalore.
- ➤ IFET has received "A" Class Award from IIT Bombay for successfully completing the robotic task and TBT challenge funded by MHRD.

❖ **Center of Excellence:**

A center of excellence is an entity or the team whose primary goal is to provide companies expertise in a specific field. With the help of center of Excellence, students are getting trained by the experts

from various industries and companies like Cisco, Aspire Systems, Solver Minds, etc. which will improve the placement percentage.

To make the students to expertise, IFET has the following centres

Centre of excellence, Cisco Networking Academy, Aspire Systems, Solver Minds, Virtual, Red Hat Linux Academy, IAT Bombay Spoken tutorials Super Resource Center, NPTEL Local Chapter, Remote FTP Center for IAT Bombay, Value Virtual Labs by MHRT, Nodal Center for IARS ISRO Outreach Program, Wipro Talent Next 2020.

❖ **Professional Bodies:** Professional Body is a network where students can reach out to the professional, professionals, who play a prominent role for technical students. It is important that the students join professional bodies relating to their field and be active in the engineering profession bodies for the up-to-date information and communication in the area of competence.

IFET organizes events as part of professional bodies to engage students in their area of expertise:

➢ Institute of Electrical and Electronics Engineers,
➢ Indian Society for Technical Education,
➢ Computer Society of India,
➢ Indian Concrete Institute,
➢ the Institution of Electronics and Telecommunication Engineers,
➢ the Institution of Engineers, India,
➢ Madras Management Association
➢ ISTE Student and Staff Chapter

❖ **CLUB AND CELLS:**

The development of personality as well as your thoughts is possible only when you join a group which innovates and helps you to do something positive. College clubs and Cells play a vital role in developing a sense of unity and teamwork. IFET College have various clubs and cells as follows.

➢ Innovation Cell,
➢ Entrepreneurship Development Cell,
➢ Women Empowerment Cell,
➢ Industry Institute Interaction Cell,
➢ Institutions' Innovation Council,
➢ IFET Tamizh Sangam,
➢ National Service Scheme, NSS,
➢ IFET ECHO Club.

❖ **FACILITIES:**

Campus facilities play a crucial role in enhancing the work efficiency of both students and faculty members.

➢ **Library:** IFET granted library facilities to students and faculty members to increase their reading habits and promote the maximum use of library documents. The Center-Library has a floor area of 10,226 square feet. It has approximately 38,500 books, 50,000 ebooks, magazines, magazines, and computer-based Web systems with 100 Mbps Internet speed.

➢ **Hostel:** A home away from home, the Hostel at IFET is more than four walls and a roof. It aspires to be a second home. IFET Hostel not only provides comfortable, safe, including safe living and provides the opportunity to form lasting friendships and facilitate the transition from home to university.

➢ **Buses:** The vast majority of students rely on college transport for the daily commute to college. IFET offers buses for the convenience of students and faculty members who come within a 60-kilometer radius of the college.

➢ **Solar power plant:** As a part of Green campus initiative to make IFET a sustainable and environmental friendly institution, IFET has installed 16 solar panels, which produces 4 kilowatt capacity of power. The fact that a college's facilities use solar energy is a source of pride. IFET has installed two generators to produce 125 kilowatts of power to manage power failures.

➢ **RO plant:** IFET has reverse osmosis plant to provide drinking water to the college and hostels. Pure reverse osmosis drinking water is available throughout the college campus.

❖ **NEW FACILITIES CREATED:**

IFET College of Engineering aims to provide various facilities and create an exceptional atmosphere for students and faculty.

➢ **Placement Lab:** Placement Lab is equipped with 100 systems to provide an ambiance for conducting online tests, regular coding practice, and a custom-made platform for aptitude and coding.

➢ **Dynamic Server Controlled Fetic Testing Machine:** It is installed in Materials Lab Power, which was financed by AICTE Mod Drop Plan with a price of Rs. 15,50,908.

➢ **Fused Deposition Modelling**: It was installed in the CAD lab, which was funded by IFET and CSIR.

- **3D Printing:** It enables students to experience their projects from the model stage to the actual creation of the model. 3d printing offers students the ability to experience their projects from the model stage to actual creation of the model. This creates both excitement and a better understanding of the design process as they gain hands on experience from ideas to creation.

- **Computer Programming Lab:** IFET has effectively utilized the pandemic time to renovate and upgrade the lab facilities. Computer Programming Lab was upgraded with the high end configured systems for the betterment of students.

- **Freshers' Day:** Freshers' day brings together a hundred new faces, but also a million dreams. IFET has organized Freshers' Day with a program of events that are meant to welcome first year students. IFET makes students who glide from school to College to feel the College atmosphere like home.

- **CEMP**- It signifies Projects in Chemistry, English, Mathematics and Physics. The unique feature of IFET Autonomous is that it provides a curriculum that imparts more hands-on training. CEMP is one of those manifestations exclusively for first-year students. Technical skills can be built on a strong foundation provided by CEMP. On May 31st, 2022, the CEMP Project Expo was held. All first-year students actively participated in this project presentation and demonstrated their skills and understanding of basic sciences.

- **Graduation Day:**

  Graduation is one of the most important milestones in students' life. 19th graduation day was celebrated on 30th April 2022. Mr. Venkant Narainan, Senior Vice President and Head, Augmented Intelligence Lead, Management Services, Virtues of Singapore, delivered the graduation day address and awarded the degree to the graduates.

- **Sports Day:**

  Apart from academic oriented activities, sports activities are also given prominence. 24th Sports Day celebration was conducted on 30th May 2022. Many games like cricket, volleyball, ball, football, table tennis, etc. was conducted as a part of the sports day celebrations. Teamwork divides the task and multiplies the champions. Both boys and girls from the Department of Computer Science and Engineering have won the overall Championship.

- **Hostel Day:** Hostel life brings a lot of challenges and excitement within. Every day gives a new experience to face challenges and difficulties and cope up with them with the help of their peers. This increase is optimism in them. They face challenges, stand up for themselves, and learn from mistakes during their hostile life. IFET celebrates Hostel Day to bring best relationship among the students and make them feel as they are at home.

IFET has celebrated Hostel Day on 11th June 2022. On this day, the boys and girls from their respective hostels has joyfully participated in various cultural events, and humorist awards were given as best entertainer, angry bird, buildups, academic topper, Mr. Or Miss Perfect, etc.

❖ Student Award:

No person was ever honoured for what he received. Honor has been the reward for what he gave. IFET feels immense pride on our brimming students, the future leaders of our society, who have received recognition for their aptitude and acumen.

The following are just a few:

➢ Nearly 209 students of our college have been selected for the Meritorious Internships in 2021, which was honored by Cisco Networking Academy.

➢ Mr. D. Santhana Krishnan, Department of EEE has won the best paper award in IEEE Conference held at Karunya Institute of Technology.

➢ Ms. M. Kanimozhi has won the Scholastic Award in IEEE Conference held at Manakula Vinayakar Institute of Technology.

➢ Ms. P Agalya, Department of CSE, has won the ISTE Best Students Award 2021.

➢ Mr. K Pravin Kumar and I. Shruthi, Department of ECE, won the IETE BEST Project Award.

➢ Mr. R. Sheparia Sudeen, Department of ECE, secured third place in Tinkercad Circuit design contest.

➢ Ms. K Abinaya, Department of CSE, Mr. A. Ezhilvendhan, and Mr. T. Dhanigai Dharan, Department of ECE, has won the ISRO Photography competition.

➢ Ms. M. Keertana, Department of MBA, has won the second prize in National Level Event, COMMET'22, organized by St.Joseph College of Arts and Science on 29.04.2022

➢ Ms. A. Visumitha, Ms. S. Sureka, and Ms. Ashwini, Department of MBA, have won the second prize in *Best Management Team* organized by SNS College of Engineering, Coimbatore.

➢ Ms. MP. Harini and Ms. B. V. Abhinandana, Department of MBA, have won second prize in National Level Quiz Festival, organized by HR Circle Association.

➢ Mr. H. Chandru, Department of Civil, has won the first prize in OnShot Photography, organized by Hindustan Institute of Technology and Science.

➢ Mr. B. Sathish Velu, Mr. S. Surya, Mr. P. Rufus Banerjee, and Mr. S. Velsivaram have done their final year project "Automated Flower Stringing Machine", which was funded by MSME worth of Rs.2,80,000/-, under the mentor Dr. U. Palani, Professor, Department of ECE.

- Ms. R. Nesika, Ms. K Haritha, Mr. A Mugesh Khanna, and Ms. S Nivetika, Department of EC, have done their project, which was funded by IEEE Madras section, worth of Rs.10,000/-.

❖ **FACULTY AWARDS:**

IFET acknowledges and appreciates the hard work, spirit, and intellect of the teachers who have displayed exceptional performance in the tough times. Faculty members have not only mastered their teaching, but also outscored in other horizons.

- Mr. B Balaji, Assistant Professor, Department of EEE, has won Dr. Abdul Kalam Achiever Award, 2021. He also delivered the lecture in 15 days internship program on IoT for Engineering Systems.
- Mrs. J. Jayalakshmi, Associate Professor, Department of ECE, has won the best paper award in IEEE conference conducted by IEEE Madras Section.
- Dr. S. Matilda, Vice Principal and Dean Academics has published the book titled "*Basic Electrical Electronics and Measurement Engineering*".
- Dr. T. Anand Kumar, Assistant Professor, Department of Computer Science and Engineering, has published the book titled as

    Simulations and Analysis of Mathematical Methods,
    Privacy and Security Challenges in Cloud computing,
    Machine and Deep Learning Approaches for Healthcare Systems,
    Machine Learning Approaches for Bioinformatics.

- Mrs. P. Hemalata, Head, Department of Artificial Intelligence and Data Science, has published the book, *Human Rights*.
- Mr. B Balaji, Assistant Professor, Department of EEE has published the books titled as

    Research Methodology in Conceptual Approach,
    Solid State Drives,
    Basic Electrical and Electronics Engineering,
    Basic Electrical and Instrumentation Engineering.

- Dr. U. Palani, Professor, Department of ECE, has published the book named as *Electron Devices and Circuit Engineering.*
- Dr. J. Vidya, Associate Professor, Department of ECE, has published the book titled as *Wireless sensor networks.*
- Mrs. S. Usha Rani, Head of Artificial Intelligence and Machine Learning, has recognized as NPTEL Discipline Star.

❖ **Research and Development:** Research and Development cell, which aims to nurture research culture in the college by promoting research in newly emerging and challenging frontier areas of engineering, technology, science, and humanities. It encourages the students and faculty members to undertake the research in newly emerging frontier areas, including multidisciplinary fields. Our faculty members receive funds from various agencies like ICSSR, CSIR, SERB, etc. to conduct seminars, workshops, and conferences.

- ➢ Total number of grants received during the current academic year is 22.
- ➢ The prominent contributors are Mrs. S. Usha Rani, Head of Department, Artificial Intelligence and Machine Learning.
- ➢ Dr. T. Anand Kumar, Assistant Professor, Department of CSE
- ➢ Mrs. A. Anbukarasi, Senior Assistant Professor, Department of Science and Humanities.
- ➢ Mrs. P. Manjubala, Associate Professor, Department of CSE.
- ➢ Mr. B. Elamvazhudi, Associate Professor, Department of Mechanical Engineering. These prominent contributors are awarded by the IEEE membership, which is partially sponsored by the IFET management. 334 research papers have been published by the faculty members in peer reviewed journals. IFET faculty members have filed for to six patents.

❖ **Placement:**

Placement percentage is 91.75.

IFET students got placed with the highest salary package of 8 LPA. More than 250 students have placed with the average salary package of 3.5LPA.

- ➢ Two students got placed in "BYJU's The Learning App" with a salary package of 8 LPA.
- ➢ Forty Three students got placed in TCS with a salary package of 5.80 LPA.
- ➢ Eleven students have placed in L&T Edu Tech with a salary package of 5 LPA
- ➢ One student got placed in ZOHO with a salary package of 4.8 LPA.
- ➢ Nine students have placed in Capgemini with a salary package of 4 LPA
- ➢ Four students got placed in Mindtree with a salary package of 4 LPA
- ➢ Fourteen students got placed in Aspire Systems with a salary package of 3.60 LPA
- ➢ Eight students got placed in Infosys with a salary package of 3.60 LPA
- ➢ Eight students got placed in KPIT with a salary package of 3.60 LPA
- ➢ Forty seven students have placed in Tech Mahindra with a salary package of 3.25 LPA
- ➢ Three students have placed in AVASOFT Shaping Next Gen with a salary package of 3 LPA
- ➢ Seven students have placed in AVALON Technologies with a salary package of 3 LPA

- Twenty One students have placed in SUTHERLAND with a salary package of 2.5 LPA.
- Four students have placed in CSS CORP with a salary package of 2.50 LPA.
- Sixty One students have placed in SL LUMAX with a salary package of 2 LPA.

❖ **Annual day:** Annual day forms an integral part of IFET college activities. It is a memorable day for everyone in this campus. It is an occasion of celebration, facilitation, feast and festivity, where students present not only their wonderful performances, but also receive honour for their curricular and co-curricular achievements. In the view of annual day, IFET has conducted various events like Photon, Lights out, Slogan Contest, Mad Ads, Talent Show, Jokes Apart, etc. Students have showcased their talent by participating in these events. The entire day is well spent by these students with a plethora of emotions such as excitement, fun, and also for the audience to feast their eyes upon.

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