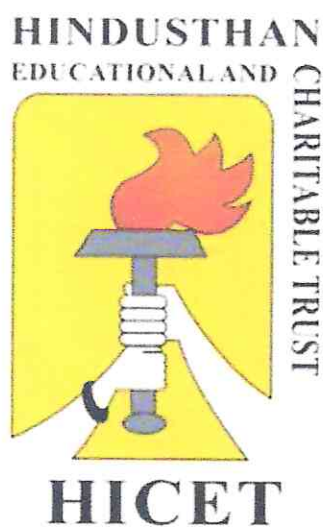


HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
Coimbatore 641 032, Tamilnadu, India

Phone : 0422 4242424, website : www.hicet.ac.in

Internal Quality Assurance Cell



Annual Report 2023-2024



Hindusthan
College of Engineering and Technology
*(An autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University,
Chennai, Accredited with NAAC "A++" Grade)*
Valley Campus, Pollachi Highway, Coimbatore-641032



IQAC Vision

To promote quality culture and sustenance in academics and administrative process for holistic development of the institution.

IQAC Mission

1. To ensure innovative teaching learning practices.
2. To develop benchmark for monitoring various programs / activities leading to quality improvement.

Objectives

1. To sustain quality culture in the institution.
2. To develop a system of conscious, consistent and catalytic improvement in overall performance of the institutions.
3. To optimize and integrate modern methods of Teaching and Learning process.
4. To ensure adequacy in maintaining and functioning the support structure and services.
5. To document various programs/activities leading to quality improvement.
6. To organize inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
7. To prepare and submit the Annual Quality Assurance Report (AQAR) as per the guidelines and parameters of NAAC.
8. To apply various institutional accreditation and ranking.





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About the Institution

- The institution is recognized under Section 2(f) and 12B of University Grants Commission (UGC) and is an autonomous institution affiliated to Anna University, Chennai with permanent affiliation for most of the programmes, approved by the AICTE and the Government of India.
- HICET is granted autonomous extension by UGC for next 10 years till AY 2031-32.
- HICET is positioned in the band of 11-50 in the Innovation Category by NIRF (National Institutional Ranking Framework) India Rankings 2024.
- HICET is positioned in the band of 201-300 in the Engineering Category by NIRF (National Institutional Ranking Framework) India Rankings 2024.
- Five undergraduate programmes namely Mechanical Engineering, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Information Technology are accredited by the National Board of Accreditation (NBA) which is valid upto June 2024.
- In addition, Civil Engineering, Aeronautical Engineering, Mechatronics Engineering and Automobile Engineering are accredited by the National Board of Accreditation (NBA) under Tier-I category which is valid upto June 2026
- Food Technology, Agricultural Engineering, MBA are accredited by the National Board of Accreditation (NBA) under Tier-I category which is valid upto June 2027 and MCA Programme is accredited by the National Board of Accreditation (NBA) under Tier-I category which is valid upto June 2026.
- HICET is recognised as a Scientific and Industrial Research Organisation (SIRO) by the Ministry of Science and Technology, Government of India, New Delhi.
- HICET has been granted 4 star rating under Institution's Innovation Council 2024 Ratings by MoE's Innovation cell - Government of India.





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- HICET was the academic partner for BRIDGE - 23: A High Impact Industry Institute Interaction event hosted by ICT Academy of Tamilnadu.
- HICET secured Outstanding Performance Grade A++ in District ECO SDG Champion 2024.

Competency Development Centres

- HiCET become the member in Food Safety Training and Certification (FoSTAC) in 2022 to offer its Certification Courses to the Faculty Members, Students and Public. 183 students have successfully completed certificate course on basic, advance and special in Food Safety Training and Certification (FoSTAC) under FSSAI, Govt, of India.
- HiCET has established a valuable linkage with the Indian Institute of Remote Sensing (IIRS), ISRO, to serve as a Nodal Centre for conducting training programs and workshops in advanced domains such as Geographical Information Systems (GIS), Satellite Remote Sensing, and related areas.
- During the academic year, a remarkable 311 certifications were obtained by faculty members and students through this initiative, showcasing active participation and commitment to continuous learning in the field of space and geospatial technologies.

Academic Innovations

Developed a comprehensive educational framework aligned with the aspirational objectives of the National Education Policy (NEP) 2020, and undertook a systematic revision of the curriculum and syllabus to foster holistic, multidisciplinary, and future-ready learning

Regulation 2022

- Introduced Honour Degree and Minor Degree.





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- Introduction of Course Opt and Drop facility. (A student from Semester III to Semester VII may opt online / industry offered courses as an alternative for Professional Core / Elective courses – Equivalent 3 credits).
- Flexibility to drop professional core / Elective courses and can earn equivalent credit from online and industry offered courses.
- Facility to drop the project work for the Granted patent.
- Facility to drop the 3/6 Credit courses for the research work published in Scopus/SCI etc., journal.
- Facility to drop the 3/6/9 Credit courses for the winners in an Innovative contest in State/National/International level.
- Two courses introduced in Universal Human Values as per the model curriculum of AICTE.
- Introduction of Foreign Languages and Introduction of Tamil courses.
- Personality and Character development program as mandatory for 100 hours for each student.
- Introduction of ABC (APAAR ID). (Students have the opportunity to select and successfully complete courses from future semesters, earning credits that can be stored in the Academic Bank of Credits (ABC).

Regulation 2019

- Incorporated Theory with Lab Component Courses.
- Inclusion of NCC Courses as per AICTE Instruction.
- Introduced Employability Enhancement Courses like Soft Skills, Design Thinking & Intellectual Property Rights.
- Provision of Self Learning courses like NPTEL with credit transfer.
- Value Added Courses were introduced with additional credits.





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- Project Based Learning (Govt. of TN, IBM, ICT Academy - Naan Mudhalvan, Nalayathiran Scheme).
- Life Skill Courses on Human Rights, Women's Rights and Gender Equality Indian Ethos and Human Values, Indian Constitution and Political System and Yoga for Human Excellence were introduced.

Research and Development

- Three departments (Aeronautical Engineering, Artificial Intelligence and machine Learning and Biomedical Engineering) is recognized as Anna University approved Research Centre during the academic year 2023-24.
- A sum of Rs. 1,35,61,812 grant in aid received from various government bodies like CSIR, AICTE, TNSCST etc. to organize Conferences/ workshops/ seminars.
- 12 funding proposals of worth Rs. 5,08,47,985 were submitted by faculty members of various disciplines to several funding agencies during the academic year.
- Research Seed Money of Rs. 12,58,000 is awarded to 7 research projects for this academic year to promote Inter disciplinary Research in thrust areas.
- The faculty members are encouraged with incentives of Rs. 4,04,205 for research activities for the academic year 2023-24 with an outcome of
 - 15 book publications
 - 32 Research paper in SCI
 - 45 Research paper in Scopus
 - 3 funded R&D projects
 - 22 Patents published
- HiCET has signed 28 Memorandums of Understanding (MoUs) in this academic year in an effort to enhance students' educational experiences and give them multiple opportunities for skill development and career success.





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- Notably, an international MoU has been signed with Shinhee Castor and Mobility, South Korea, marking a significant milestone in HiCET's global outreach. This partnership is set to foster international cooperation, research, and training opportunities, equipping students with a global perspective and industry-relevant competencies.

Faculty Enrichment

- In the academic year 2023-24, over 300 faculty members have actively participated in a wide range of professional development activities. These include conferences, workshops, seminars, webinars, Faculty Development Programs (FDPs), and Short-Term Training Programs (STTPs).
- 186 programs were organized by the departments under various categories like Research methodology, IPR, Entrepreneurship, Skill development, career counselling, Gender Equity, human values etc.
- 79 programs were organized by the institution for professional development of the faculty.
- 12 programs were organized for professional/administrative training for non-teaching staff.

Placement and Entrepreneurship

- 1,144 students were successfully placed in various industries and multinational companies during this academic year.
- To foster entrepreneurial spirit among students of all departments, the Entrepreneur Development Cell organized 21 programs during this academic year, benefiting 2,033 participants by enhancing their awareness of entrepreneurship



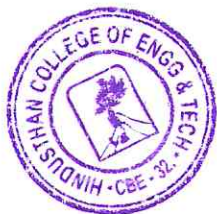


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Extension activities

- 8 Events were conducted under Unnat Bharat Abhiyan for the adopted villages Arisipalayam, Palathurai, Nachipalayam, Pichanur and Ettimadai.
- Rotaract Club of HiCET conducted 18 events focused on serving the student community and contributing to societal well-being.
- 62 extension activities were organized with 3018 beneficiaries by the National Service Scheme (NSS).
- The National Cadet Corps (NCC) wing of HiCET conducted 31 events during this academic year, inspiring 4,121 youth to develop leadership qualities and remain ever ready to serve the nation in all walks of life.



IQAC-Coordinator

PRINCIPAL

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