

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

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**Annual Report 2022-2023**



# Hindusthan College of Engineering and Technology

(Approved by AICTE, New Delhi | An Autonomous Institution Affiliated to Anna University  
Accredited by NAAC with 'A' Grade)

Valley Campus, Pollachi Highway, Coimbatore – 641 032



## ABOUT THE INSTITUTE

**Hindusthan College of Engineering and Technology (HICET – [www.hicet.ac.in](http://www.hicet.ac.in))** was founded in the year **2000-2001** by **Hindusthan Educational and Charitable Trust (www.hindusthan.net)**. Surrounded with nature's pristine beauty and an excellent infrastructure combined with dedicated and experienced faculty has made the campus a much sought-after abode of learning. HICET is one of the premier technological institutions inculcating quality and value-based education through innovative teaching learning process for holistic development of the students.

The institution is recognized under Section 2(f) and 12B of University Grants Commission (UGC), an **Autonomous Institution from 2016**, approved by the **All India Council for Technical Education (AICTE)** and affiliated to **Anna University, Chennai**. At present, the college is offering **15 UG Programmes (BE / BTech), 7 PG Programmes (ME, MBA & MCA) and 6 Research Programmes**. Currently (2022-2023), there are **5488 students** pursuing various programmes in the institution and are mentored by **386** well qualified and experienced faculty members.

The Hindusthan Educational Institutions are led by Chairman Shri.T.S.R.Khannaiyann, an industrialist and philanthropist, along with Secretary Smt.Sarasuwathi Khannaiyann, a renowned Educationalist and Entrepreneur in Coimbatore. Smt. Sarasuwathi Khannaiyann has received prestigious awards like Bharath Gaurav Award, Rajiv Gandhi Shironmani Award, Indira Gandhi Sadbhavana Award, Best Entrepreneur Award, and Life Time Education Award. She holds an honorary doctorate from the International Tamil University for her contributions to education. The institution is managed by Smt. Priya Sathish Prabhu, Executive Trustee & Secretary, Chief Executive Officer Dr. K Karunakaran and the institution is headed by Principal Dr.J.Jaya.

Under the trust, **10** other institutions are functioning, out of which **6** are higher-educational that are highly rated by the society as well as accreditation and ranking bodies. **With the very strong industrial background of more than 40 years** in the engineering domain such as **transformers, control panels, switch gears, pipes etc.**, HICET nurtures future global leaders by imparting right knowledge, skills and building attitudes among students to face the world in a fresh, energetic and unrestrictive work environment, considering the **integration of UN-SDGs into the curriculum and adopting National Education Policy 2020 (NEP 2020)**.

HICET aims to produce qualified Engineering Professionals equipped with moral values and technical skills to excel in global job markets. The institution boasts a team of experienced professors dedicated to grooming students to meet global standards. They have implemented an outcome-based curriculum and focus on student-centric teaching methods.



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**Industry-Integrated programmes** and the **Innovation Centres** of the institution encourages creativity, innovation and identifying business thereby encouraging entrepreneurship and start-ups.

## VISION

To become a premier institution by producing professionals with strong technical knowledge, innovative research skills and high ethical values.

## MISSION

- To provide academic excellence in technical education through novel teaching methods.
- To empower students with creative skills and leadership qualities.
- To produce dedicated professionals with social responsibility.

## INSTITUTIONAL ACTIVITIES

### AWARDS & RECOGNITIONS

Hindusthan College of Engineering and Technology (HICET) has received numerous awards and recognitions:

- Accredited by the National Assessment and Accreditation Council (NAAC) with 'A' grade and National Board of Accreditation (NBA).
- Recognized as a Scientific and Industrial Research Organisation (SIRO) by the Ministry of Science and Technology, Government of India.
- Approved as NODAL CENTRE of Virtual Lab by the Ministry of Education in collaboration with NIT, Suratkal – Karnataka.
- Recognized as Remote Pilot training Organisation by the Directorate General of Civil Aviation (DGCA) through which 2 students have completed and earned their pilot training completion certificate.
- Recognized as Remote host for 2 Short Term courses by National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh under the Ministry of Education through which more than 30 faculty members were benefitted.
- Granted 4 star rating under Institution's Innovation Council 2022 Ratings by MoE's Innovation cell - Government of India.



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- Ranked top position in various rankings such as Competition success review, Outlook ICARE rankings 2022, The Week - Hansa Research Survey, Times B School ranking, Fortune - India Magazine, Business Today Magazine, Education world ranking.
- One among top 50 institutions to execute AICTE's Leadership in Teaching Excellence (LITE) programme, with a top 3 position in the first phase.
- Awarded as the most prominent and outstanding engineering college of the year 2022, South India in the category of excellent administration, quality academics, placements, and leading infrastructure.

These recognitions highlight HICET's commitment to providing quality education and its dedication to innovation and excellence in the field of engineering and technology.

## ACADEMIC ACHIEVEMENTS

**Academic Excellence and Holistic Development at Hindusthan College of Engineering and Technology (HICET)** has demonstrated a strong commitment to academic excellence, evident through a high pass percentage and an increasing number of students achieving high marks in end-semester examinations. The institution's focus extends beyond academics to encompass the holistic development of its students.

To nurture students beyond academics, HICET has organized a wide array of extracurricular activities, including cultural events, sports meets, and community service programs. These initiatives aim to provide students with diverse opportunities for personal growth. Notably, over 200 programs were conducted during the Academic Year 2022-23 to promote holistic student development.

HICET motivates students to engage in Massive Open Online Courses (MOOC) offered by platforms like NPTEL, Coursera, Edx, ICT - Learnathon, NASSCOM - Future skills prime, fostering self-learning and lifelong learning. Throughout the Academic Year 2022-2023, students enhanced their digital technology and professional skills by completing courses on various MOOC platforms. HICET achieved 1st Place nationally for the highest number of certificates earned by students in ICT Learnathon 2022. Additionally, over 1000 students enrolled in NPTEL courses during the academic year.

**Value-Added Courses for Employability and Life Skills:** Departments at HICET offer value-added courses to equip students with essential skills that enhance their employability quotient and prepare them for success in life. These courses are designed to provide students with the necessary skills to thrive in their careers and personal lives.



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## FACULTY ENRICHMENT & RESEARCH CULTURE

**Research Excellence at Hindusthan College of Engineering and Technology (HICET)** has established itself as a hub for research and innovation, with five research centers in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Electrical and Electronics Engineering, and Chemical Engineering approved by Anna University, Chennai. The institution has also applied for research centers in Civil Engineering, Physics, and Chemistry, awaiting approval.

**Student Achievements and Higher Studies:** The research culture at HICET has inspired students to pursue higher studies in leading national and international universities, showcasing the institution's commitment to fostering research intelligence among its student body.

**Faculty Research Contributions:** The faculty members at HICET have made significant contributions to research in their respective fields, evident through numerous research publications, conference presentations, and authored books. In the Academic Year 2022-23 alone, faculty published over 300 journal publications, delivered 100 conference presentations, and authored 16 books. This reflects the institution's dedication to advancing knowledge and scholarship.

**Continuous Learning and Skill Development:** Faculty members at HICET actively engage in continuous learning and skill development to enhance the quality of education imparted to students. Throughout the Academic Year 2022-2023, faculty participated in various programs such as workshops, seminars/webinars, Faculty Development Programs (FDP), and Short Term Training Programs (STTPs). Additionally, they completed over 300 online courses through various MOOC platforms to stay updated with the latest trends in their fields.

**External Engagements and Research Grants:** The faculty members of HICET have interacted with external stakeholders by serving as resource persons for orientation courses, seminars, guest lectures, workshops, and conferences at national and international levels. Moreover, they have applied for more than 50 research grants and secured a total funding of INR 102.525 lakhs from esteemed funding agencies like TNSCST - SPS, AICTE - IDEA LAB, CSIR, INSA, and RGYN. The institution's support for faculty research includes providing research seed money and an annual research promotion scheme.

## INDUSTRY INTERACTION & COLLABORATIONS

**Industry Collaborations and International Partnerships at Hindusthan College of Engineering and Technology (HICET)** has established robust collaborations with various industries to provide students with valuable learning experiences from industry experts, practical



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exposure through internships, and industry visits. These partnerships have facilitated the development of industry-relevant courses and programs within the institution.

**Industry Collaborations and MOUs:** The institution has signed 45 Memorandums of Understanding (MOUs) with diverse organizations to promote collaborative research, consultancy, internships, placements, and training opportunities for students. These partnerships aim to bridge the gap between academia and industry, ensuring that students receive practical insights and exposure to real-world scenarios.

**International Partnerships:** HICET has expanded its global reach through an International MOU with Taylor's University KL, Malaysia, and Dambi Dollo University, Ministry of Education, Ethiopia. This international collaboration opens avenues for research partnerships, student and faculty exchanges, joint supervision, twinning programs, and other initiatives aimed at fostering cross-cultural learning and cooperation.

**Faculty Industry Engagement:** The faculty members at HICET actively engage with industries by undertaking consultancy projects that promote interaction between academia and the industry. Through more than 35 consultancy projects worth INR 50 lakhs, faculty members contribute their expertise to real-world challenges, enhancing the practical relevance of their academic knowledge.

## CENTRE OF EXCELLENCE

**Institutional Excellence and Industry Collaborations at Hindusthan College of Engineering and Technology (HICET)** has established itself as a beacon of excellence through the creation of various Centers of Excellence and Competency Development Centers within its campus. These initiatives aim to promote best practices in specific areas of interest, fostering innovation, research, and entrepreneurial activities among students.

**Recognition as Center of Excellence:** HICET has garnered recognition as a Center of Excellence by esteemed organizations such as Ford, Royal Enfield, and Eicher, highlighting the institution's commitment to excellence in specific domains. Additionally, the establishment of the IBM Center of Excellence offers students the opportunity to pursue IBM integrated certificate courses in AI, Data Science, and IoT, enhancing their skills for self-learning and career placements.

**International Collaborations and Recognition:** The institution's international outreach includes an International MOU with Taylor's University KL, Malaysia, and Dambi Dollo University, Ministry of Education, Ethiopia. This collaboration facilitates research partnerships, student exchanges, joint supervision programs, twinning initiatives, and other endeavors aimed at fostering global cooperation and knowledge exchange.



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**Remote Pilot Training Organization (RTPO) Recognition:** HICET's recognition as a Remote Pilot Training Organization in collaboration with the central government's flying training organization, Indira Gandhi Rastriya Uran Academy by the Directorate General of Civil Aviation (DGCA), underscores the institution's commitment to providing specialized training in aviation-related fields.

## TRAINING & PLACEMENTS

During the Academic Year 2022-2023, more than 100 companies visited the institution for placements, with the highest CTC offered being 11 Lakhs per annum. The Corporate Relations Cell of the institution played a major role in guiding students to choose the right career and train them on necessary skills, knowledge, and aptitude to meet industry requirements. Various placement opportunities were provided to the students through on-campus and off-campus drives, ensuring that the majority of students were able to get their dream jobs and companies

## ENTREPRENEURSHIP

Hindusthan College of Engineering and Technology (HICET) has cultivated an entrepreneurial mindset among its students through a comprehensive curriculum and the active engagement of various entities like the Entrepreneurship Development Cell, Institution Innovation Council, Hindusthan Product Development Centre, Hinnovation Centre, IDEA Lab, and Incubation Centre. This ecosystem has not only fostered innovation and research but has also led to the successful establishment of student businesses and startups within the institution.

**Student Achievements in Entrepreneurship:** The entrepreneurial spirit at HICET is exemplified by the remarkable achievements of its students. The HICET EDC team, known as Hindusthanians, secured a position among the top 50 out of 480 teams in the National Entrepreneurship Challenge (NEC) Advanced Track organized by IIT Bombay. Additionally, students like Baasil Binyamin from Mechatronics have founded successful startups such as D Rube Labs and Research Private Limited, which received startup recognition from the Government of India. Another student, T. MahaKrishnan, registered and incorporated his company Entudio Private Limited in November 2022, officially inaugurated on 9th February 2023 in Tirunelveli.

**Institutional Support and Recognition:** The entrepreneurial ecosystem at HICET is further bolstered by the support and guidance provided by key individuals like Dr. Siva, Dr. Ras Mathew, and Dr. V. Kanimozhi. These faculty members have played a pivotal role in creating an environment conducive to innovation, research, and startup success within the campus.



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## STUDENT ACHIEVEMENTS

Hindusthan College of Engineering and Technology (HICET) has witnessed remarkable achievements by its students across various national-level events, showcasing their talent and dedication. Students have excelled in prestigious competitions such as the Flipkart Grid 4.0 - Robotics Challenge organized by IIT Madras, RACY Formula Kart Racing Championship 2023, TECHgium 2022 by L&T Bangalore, Q'LENZ event by AU TVS Centre for Quality Management, Agathiyar Tamil Sangam, Tamilnadu Student Innovators 2022 by EDII-TN, and Rivals 2023 Dirt Bike Competition.

### Notable Student Achievements:

- Harshith Babu, an NCC student, participated in the Republic Day Parade in New Delhi.
- Devanand also took part in the Republic Day Parade in Chennai.
- NSS volunteer M. Anuja and Alten Rey V successfully completed the NSS National Integration Camp organized by the Ministry of Sports & Youth, Government of India in Haryana.
- Students have excelled in various sports disciplines including handball, Kho-Kho, athletics, kabaddi, bodybuilding, volleyball, among others.

## INFRASTRUCTURE DEVELOPMENT

Over the past year, Hindusthan College of Engineering and Technology (HICET) has made significant investments in enhancing its infrastructure to create an optimal learning environment for students. The institution has undertaken renovations in classrooms, laboratories, and the library, aiming to provide modern and conducive spaces for academic growth. Additionally, HICET is committed to continuously upgrading its IT infrastructure to ensure students have access to the latest technology and resources, facilitating a dynamic learning experience.

HICET places a strong emphasis on sports excellence and the holistic development of students. The institution fosters a spirit of sportsmanship, good health, and overall well-being among students.

## COMMUNITY SERVICE

Hindusthan College of Engineering and Technology (HICET) is dedicated to cultivating social responsibility among its students, nurturing them to become responsible citizens of the future. Through various clubs and organizations like NSS, NCC, Fine Arts Club, Tamil Mandram, English Literary Club, and 40 other active clubs, students voluntarily engage in a wide array of activities





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with enthusiasm. During the Academic Year 2022-23, more than 100 outreach activities were conducted, showcasing the active participation of students in community service initiatives.

The institution acknowledges the invaluable contributions of club coordinators, NCC & NSS program officers, and all individuals involved in organizing outreach activities. Their dedication and support have been instrumental in the success of these initiatives aimed at fostering social responsibility among students.

## ALUMNI ENGAGEMENT

Hindusthan College of Engineering and Technology (HICET) places a strong emphasis on fostering connections with its alumni, who have achieved remarkable success in their respective fields. The institution actively organizes alumni meets and networking events to facilitate interactions between current students and alumni, providing valuable guidance and mentorship opportunities.

### Alumni Engagement Initiatives:

- **Alumni Association:** The Alumni Association at HICET plays a pivotal role in strengthening the bond between the institution and its alumni community, fostering a sense of loyalty and collaboration.
  - **Chennai Chapter Inauguration:** In the year 2022, HICET inaugurated the Alumni Chennai Chapter, bringing together over 200 alumni for a successful meet in Chennai.
  - **Alumni Sessions:** Alumni actively contribute to the academic environment by delivering sessions to students through events organized by various departments of the institution.
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