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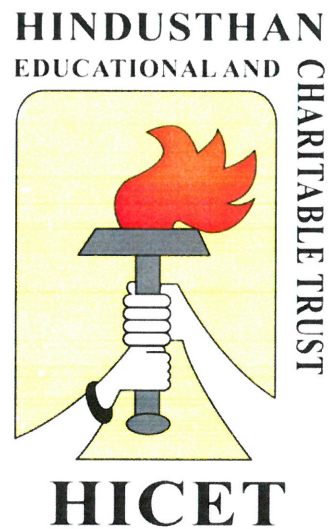### Coimbatore 641 032, Tamilnadu, India

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

HINDUSTHAN
EDUCATIONAL AND CHARITABLE TRUST

HICET

Annual Report 2021-2022

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

ABOUT THE INSTITUTE

Hindusthan College of Engineering and Technology (HICET) is established in the year 2000, approved by the All India Council of Technical Education (AICTE), New Delhi and affiliated to Anna University, Chennai. The institution offers 15 UG Programmes and 6 PG Programmes. Hindusthan College of Engineering and Technology is recognized by Anna University Chennai to offer Ph.D. programmes. HICET is certified with ISO 9001:2015, accredited with 'A' grade by NAAC and NBA accredits five programmes. Hindusthan recognized as autonomous status from the academic year 2016-2017 onwards.

HICET works with the vision of producing qualified Engineering Professionals adorned with moral values and technical skill to uphold jobs at global level. The strength of our institution is the team of well-experienced Professors who involve themselves in grooming the students on par with global standard. We have implemented outcome-based curriculum. We impart student centric teaching learning and our institution is one of the fore frontier institutions among all the institutions in Tamil Nadu.

The Hindusthan Educational Institutions is led by our Chairman Shri.T.S.R.Khannaiyann, an industrialist and philanthropist. The secretary Smt.Sarasuwathi Khannaiyann, a well-known Educationalist and leading Entrepreneur in Coimbatore and she has been a proud recipient of many prestigious awards like Bharath Gauyrav Award, Rajiv Gandhi Shironmani Award, Indira Gandhi Sadbavana Award, Best Entrepreneur Award and Life Time Education Award. She also holds her honorary doctorate from International Tamil University for her active contribution towards education. She has a great passion and keen interest with

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perseverance on Women Education and Women Empowerment. The institution is managed by Smt. Priya Sathish Prabhu, Executive Trustee & Secretary and Chief Executive Officer Dr K Karunakaran.
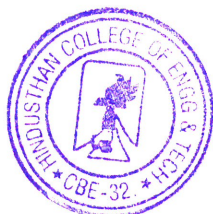
VISION

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

❖ Our Secretary madam Tmt. T. R. K. Sarasuwathi Khannaiyann honored with "Edupreneur Award" from ICT Academy Tamilnadu.

❖ Our institution received "Band performer" in ARIIA ranking 2021.

❖ National Level winner in LEARNATHON 2021 by ICT Academy.

❖ DGCA approved Remote Pilot Training Centre, one among 31 in India and second in Tamilnadu.

❖ NITTTR Chandigarh approved Remote training centre for Skill development courses.

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❖ Our institution is recognized with 4-star rating by MoE's Institution Innovation Council.

❖ Establishment of Centre of Excellence/ Competency Development Centres/ Industry Partnered Centres denotes decentralization and participative management. The following are the various Centre of Excellence/ Competency Development Centres

  ➢ MoE's Virtual Lab
  ➢ Honeywell Centre of Excellence for Youth Empowerment
  ➢ AICTE LITE
  ➢ AICTE KARMA
  ➢ FoSTaC
  ➢ Rubber Chemical, Petrochemical Skill Development Council

❖ Our institution extend it hands towards the skill development through t Industry Partnered Centres

  ➢ NASSCOM
  ➢ AWS Academy
  ➢ TERV

❖ "Best spoke institution for Innovation and entrepreneurship 2021-22" by EDII-TN, Department of MSME, Govt. of Tamilnadu.

❖ 14.55 lakhs fund were received from non government bodies.

Facilities

❖ Bright, qualified, experienced and dedicated 396 professors (including 114 PhDs) and 150+ non-teaching faculty members are the strength of HICET.

❖ Around 5000 students are studying in this academic year.

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❖ Nearly 72 of our faculty members are pursuing PhDs in reputed universities and have authored 116 books in this academic year alone.

❖ The Library is fully automated with Dolphin Lips iNet 5.0 ILMS software since 2004. This software allows cataloguing through accession numbers, titles, and authors. The OPAC enables the librarians to catalog different genres of books and maintain its database online. It allows users to search books on parameters such as title, author's name, volume, and keywords.

❖ The e-resources (Open Access & Subscribed) are accessible to all the library users and can be accessed from anywhere within the campus.

❖ The institution has subscribed to e-resource platforms such as NDLI, N-LIST, ProQuest and DELNET and is renewed on a yearly basis. These online resources provide access to thousands of journals, dissertations, publications, magazines and newspapers. The institution has also installed the Swayam Prabha DTH to telecast high-quality educational programmes provided by NPTEL, IITs, UGC, CEC and IGNOU.

❖ Faculty profiles and publication details are constantly updated in Vidwan, ORCID, Scopus, Google Scholar, Microsoft Academic database and are reviewed periodically.

❖ Digital copies of video lectures of Swayam, NPTEL etc. are available for learning and reference.

❖ Computing facilities with high speed internet and LAN connections are available throughout the campus for seamless connectivity.

❖ The Institute is nested in a serene campus spreading 30.14 acres with diverse blocks of buildings, capacious classrooms, art laboratories, well stocked library,

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spacious seminar halls and vast auditoriums validating efficient transfer of information and knowledge. The Institute also has a dedicated space and department for corporate relations tending to the training and placement needs of the students.

❖ Classrooms are provided with the latest ICT facilities, LCD projectors and smart boards enabling effective teaching and learning process. Laboratories are equipped with the latest calibrated instruments as per the curriculum requirements.

❖ Seminar halls and auditoriums are equipped with befitting audio- visual facilities for organizing symposiums, seminars, workshops,faculty development programs, short term training programmes, co-curricular and extracurricular events.

❖ Spacious and well furnished cabins are provided for faculty and non-teaching staff in their respective departments. An in-house reprographics store caters to the stationery supplies, printing and publishing needs of the students and faculty.

❖ Idea lab is constructed and equipped with modern scientific instruments to develop research and innovations.

Academic Innovations, Teaching and Learning

❖　Implemented outcome-Based Education (OBE) by following an efficient evaluation procedure for CO-PO mapping and attainment as a measure to predetermine what a graduate can do after his/her graduation

❖　Revised curriculum and syllabus and create a new education structure that is aligned with the aspirational goals of NEP 2020.

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❖ Introduced Industry Integrated courses specialized in Artificial Intelligence, Data Science, Networking, Cloud Computing, Robotics, Additive Manufacturing, Modern Concrete Technology, Formwork Engineering etc.

❖ The curriculum integrates with Professional Ethics, Gender Equality, Human Values, Environment and Sustainability Studies to impart moral values, professional ethics and social responsibility.

❖ HICET provides the students the latest trends in Digital learning to meet the updated global needs; it also facilitates online platforms and equips the students to face challenges and to grab opportunities in the future with confidence.

❖ To educate the faculty and students on the resources available in NDL/e-ShodhSindhu/E-Pathshala/Shodh Ganga and ensure its effective utilization.

❖ HICET is the Institution which nurtures the students at a very early stage of their admission and continues meticulously throughout their study. The classroom learning- innovative and collaborative is augmented through value added courses (Oracle Certification- OCJP, OCJWCD, INFOSYS Campus Connect, TATA CMC, SMART, and CADD). We have introduced IBM certification courses to our students and Our Institution is the first IBM certified campus in Coimbatore. Ford India Pvt. Ltd, Chennai has contributed Rs.21 Lakhs worth of USA Export Ford Ecosport Vehicle to Automobile Engineering students' community for effective learning & Research and Development purpose through Taking Education Further – Ford Corporate Social Responsibility.

❖ We have trained and conduct BEC examination for all our first year students to improve their communication skills and receive a standard global certificate. We have utilized the maximum availability of ITC tools to make our online teaching innovative and interesting.

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❖ 58 Value added courses are offered during this academic year to impart various skills and knowledge to make role ready engineers.

Research and Development

❖ HICET has organized many Conferences/workshops/seminars sponsored by outside agencies like CSI, AICTE, DRDO and ISRO.

❖ Recognized as IPR Nodal Center by Tamilnadu State Council for Science and Technology, Chennai.

❖ Approved SIRO Recognition by Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India.

❖ Research Seed Money is awarded to promote Inter disciplinary Research in thrust areas. Separate budget is allocated every year to strengthen the Research facilities.8.97 lakhs seed money is provided for this academic year. Cumulative amount of 16.71 lakhs is awarded as seed money for the past five years.

❖ The faculty members are encouraged with incentives for research activities for this academic year with outcome of 328 patents and 350 research papers were published in this academic year.

❖ HiCET has entered into 109 functional MoUs with various organizations to enhance its students learning experiences with wide opportunities for skill development and career advancement.

❖ HICET is one among 49 institutes in India for obtaining 1 Cr for establishment of IDEA Lab to promote innovation.

❖ HiCET witnessed world recognition of faculty members:

　○ Global ranking of Top 2% Scientist awarded by Stanford University

　○ Visiting Faculty - Yessenov University

　○ IEEE Brand Ambassador for Research - IEEE,USA

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Faculty Enrichment

❖ In this academic year more than 220 faculties are provided with financial support to attend conference, workshops, seminars and members in various professional bodies.

❖ 81 programs were organized by the institution for faculty development, professional development.

❖ 282 faculties are benefited by attending online FDPs, professional development courses.

Placement and Entrepreneurship

❖ Students were educated on Entrepreneurship awareness through EDII-TN to reach out to million beneficiaries under "Project One Million Ideas".

❖ National Level Awareness Programme (e mode) SAMBHAV on entrepreneurship was jointly organized with MSME.

❖ Organized IDEATHON jointly with SHAKTI-The Empathy Project, Ghaziabad, and Uttar Pradesh.

❖ Around 931 students were placed in different industries, MNCs in this academic year.

❖ More than 130 students have become entrepreneurs.

Extension activities

❖ Conducted Community Service project "Thugira- an Initiative to provide Sanitary Napkins to needy women" at nearby villages in hands with Rotary Club of Coimbatore.

❖ Conducted "Drug Awareness Rally" joined organized with HICET and Rotary Club of Coimbatore.

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- ❖ Signed MoU with "Kovai Kulangal Pathukappu Amaippu, Coimbatore" an NGO working for the upliftment of water bodies in and around Coimbatore.

- ❖ Received "Best NSS programme officer & Best NSS volunteer award" from Anna University, Chennai.

- ❖ HICET NSS has received "Best Covid campaign award" by Mahatma Gandhi National Council of Rural Education, Ministry of Education, Government of India.

- ❖ Organized Basic Leadership camp, Advanced Leadership Camp also Combined Annual training camp through HICET NCC.

- ❖ Lt Dr V. Ravikumar, NCC Coordinator, has been appointed for RDC selection camp, Madurai as troop commandant.

- ❖ NCC Air Wing Officer Dr. Jainulabdeen. S has been appointed for All India trekking camp at Karnataka.

- ❖ Conducted various Outreach/extension/communal activities around Coimbatore.

- ❖ More than 120 outreach activities were conducted through NSS/NCC during this academic year.

Gender Equity

- ❖ Organized International Women's Day celebrations in the campus.
- ❖ Celebrated International day of Girl child.
- ❖ Conducted National seminar on "Opportunities and challenges for woman and girls in scientific interventions" funded by Indian National Science Academy, New Delhi

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