INSTITUTIONAL DISTINCTIVENESS

Progressive Growth with Industry and Professional Society Partnerships

HiCET persistently aims at achieving excellence and growth by focusing on the development of professional skills and knowledge in latest technologies. The success of developing skilled graduates can be ascribed not only by the regular academics but also in association with industrial and professional society partnerships. This type of partnership helps for up-skilling the students with recent technologies to the advent of globalization.

The collaborated industries and professional societies assist and join in organizing seminar, webinar, workshop, expert lecture, internships, industrial training, projects, consultancy, establishment of skill-labs, competency development centres, online learning, certifications, etc.

For the past five years, the institution was able to collaborate with 120 industries/professional societies with a considerable increase in competency development activities.
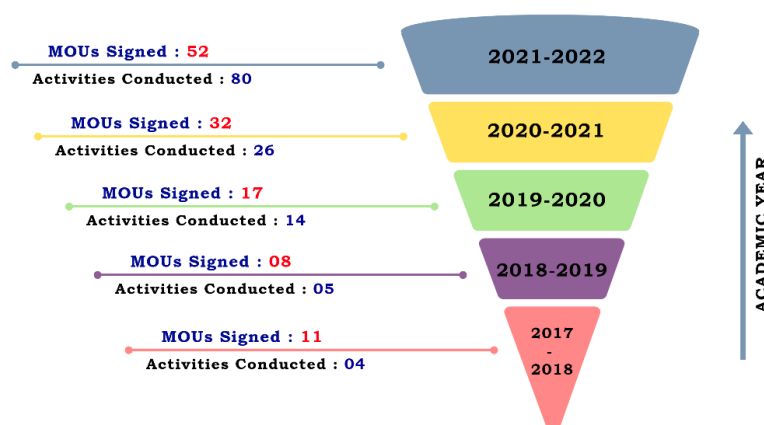
CENTRES OF EXCELLENCE / COMPETENCY DEVELOPMENT CENTRES / INDUSTRY-PARTNERED CENTRES

CENTRES OF EXCELLENCE

The objective of a Centre of Excellence in HiCET is to provide students with an advanced education, hands-on training and research opportunities in a specific area and to prepare them for careers in that field. Eight such Centres of Excellence are established in HiCET with the support of Industry-Partners are functioning effectively. They are,

1. Centre of Excellence in **Virtual Instrumentation by LabVIEW Academy School**

2. **AICTE-IDEA Lab**

3. Centre of Excellence in **Drone Technology supported by Planet-X Aerospace**

4. Centre of Excellence in **Robotics**

5. Centre of Excellence in **Embedded Systems and IoT by Intel**

6. Centre of Excellence in **Electric Vehicles**

7. Centre of Excellence in **Programmable Logic Controllers (PLC) powered by SIEMENS**

8. **HONEYWELL** Centre of Excellence for **Youth Empowerment**

URL of the Centres of Excellences
https://www.hicet.ac.in/explore-more#centres-of-Excellence

Centers of Excellence

- **2022** — HONEYWELL Centre of Excellence for Youth Empowerment
- **AICTE-IDEA Lab** — **2021**
- **2021** — Centre of Excellence in Drone Technology supported by Planet-X Aerospace
- **Centre of Excellence in Programmable Logic Controllers powered by SIEMENS** — **2018**
- **2016** — Centre of Excellence in Virtual Instrumentation by LabVIEW Academy School
- **Centre of Excellence in Embedded Systems & IoT by Intel** — **2015**
- **2014** — Centre of Excellence in Robotics
- **Centre of Excellence in Electric Vehicles** — **2014**
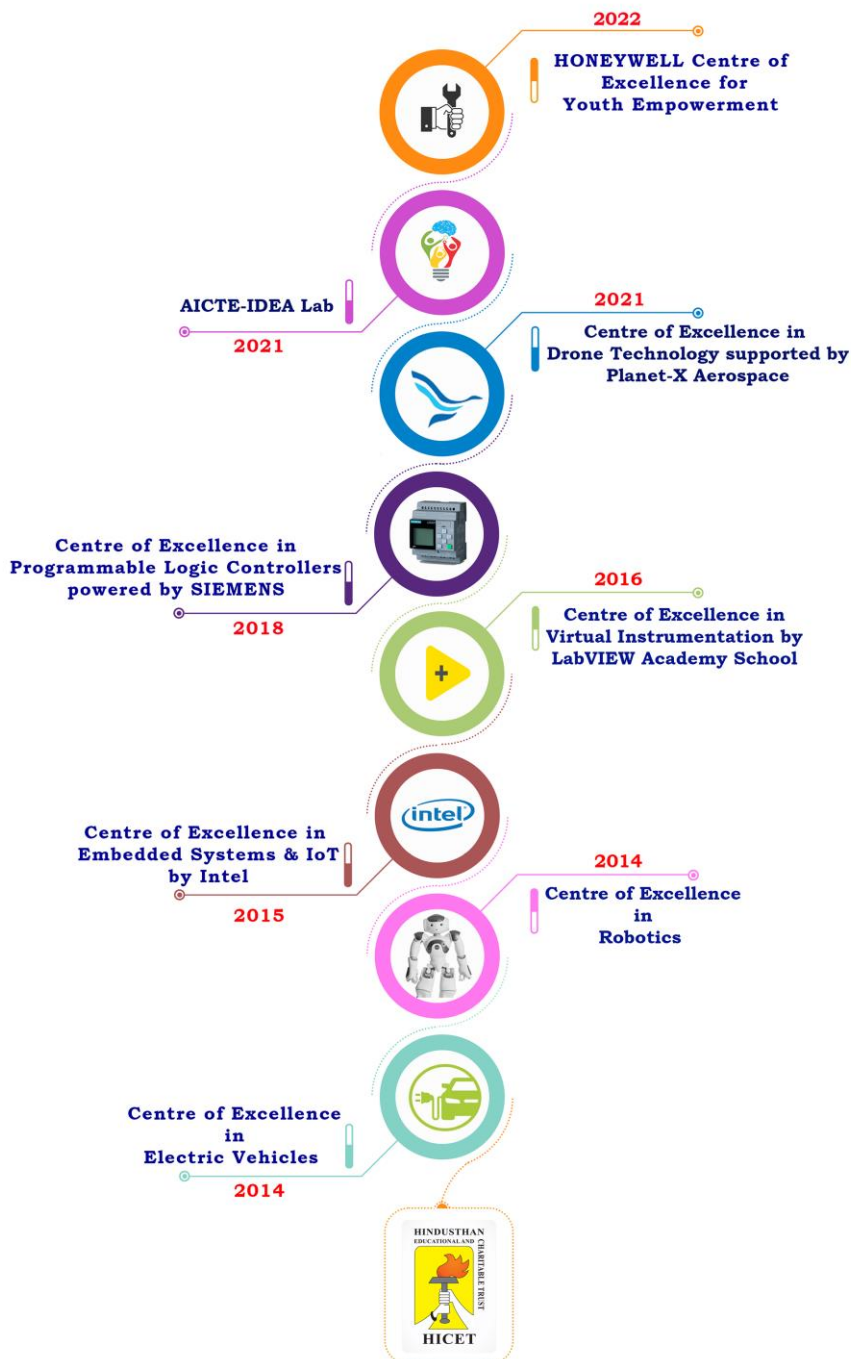
COMPETENCY DEVELOPMENT CENTRES / SCHEMES

Competency Development Centres in HiCET with industry support are established that are focused on developing the skills and knowledge of students in specific fields. These centres provide students with access to resources and tools that can help them develop the competencies they need to be successful. This includes mentoring from industry experts, coaching and guidance, and opportunities for networking and professional development. The following Competency Development Centres are established.

1. **Volvo Eicher** Competency Development Centre
2. **Royal Enfield** Competency Development Centre
3. **Ford India** Training Centre
4. **DGCA Remote Pilot Training** Organization (RPTO)
5. MSME supported **Incubation Centre** / Hindusthan Innovative Product Development Centre
6. MoE's **Institution Innovation Council** (IIC)
7. Centre for Skill Development in Association with **Rubber, Chemical, Petrochemical Skill Development Council** (RCPSDC)
8. **AICTE Skilled and Personality Development Centre** (SPDC)
9. **AICTE PRERANA Scheme**
10. **AICTE LITE Scheme**
11. **AICTE KARMA Scheme**
12. **AICTE KAPILA Scheme**
13. **AICTE SPICES Scheme**
14. Cobot **Advanced Manufacturing Centre**
15. FoSTaC – Centre for **Food Safety Training and Certification**
16. Centre for **Women Empowerment** by **DXC Technology**
17. Centre for **Skill Development** by **Hero Tessolve Semiconductor**
18. **Entrepreneurship Development Cell**
19. Centre for **Thermal Cutting powered by Messer Cutting Systems**
20. **NITTTR Chandigarh Nodal Centre** for Training and Skill Development
21. **ISRO IIRS centre**
22. MoE's **Virtual Labs**

URL of the Competency Development Centres
https://www.hicet.ac.in/explore-more#competency-development-centres

Competency Development Centres

2022

DGCA Remote Pilot Training organization
Approved by IGRUA and DGCA | One among 31 in India
Beneficiary : 17 Drone Pilots

Rubber, Chemical, Petrochemical Skill Development Council
Up-skilling to confirming NSQF Level V
Beneficiary : 3 Teachers & 40 Students

FoSTaC – Centre for Food Safety Training & Certification
Trained and Certified 65 Students

MoE's Virtual Labs
Beneficiary : 950 Students

NITTTR Chandigarh Nodal Centre
Beneficiary : 70 Teachers

AICTE KAPILA
Provides Financial assistance for filing Patent

2021

AICTE LITE Scheme
One among 50 in India | Beneficiary : 4 Teachers

AICTE KARMA Scheme
Beneficiary : 41 Students

AICTE SPICES Scheme
Funded by AICTE | 6 New Clubs Started

Cobot Advanced Manufacturing Centre
Beneficiary : 47 Teachers & 110 Students

CWE by DXC Technology
Beneficiary : 99 Pre-Final Year Girl Students

CSD by Hero Tessolve Semiconductor
Beneficiary : 4 Teachers & 55 Students

2020

AICTE Skilled and Personality Development Centre
Funded by AICTE | Beneficiary : 350 SC/ST Students

Ford India Training Centre
EcoSport Vehicle is Donated
Beneficiary : 43 Teachers & 307 Students

ISRO IIRS Centre
Beneficiary : 67 Members

2019

Royal Enfield Competency Development Centre
First in Tamilnadu | Trains in Two-Wheelers Technology
Beneficiary : 32 Teachers and 294 Students

Eicher Competency Development Centre
Second in India | Train Heavy-Duty Vehicles
Beneficiary : 49 Teachers & 1089 Students

2018

MoE's Institution Innovation Council
4 STAR Rating in 2020-21 | 150 Activities

2017

AICTE PRERANA Scheme
Funded by AICTE | Beneficiary : 111 Students

Entrepreneurship Development Cell
Beneficiary : 138 Students

Centre for Thermal Cutting Powered by Messer Cutting Systems
Beneficiary : 270 Students

2016

LABVIEW Academy
Beneficiary : 272 Students
Trains in CLAD Certification Provided by National Instruments

2015

Hindusthan Innovative Product Development Centre
Approved by MSME | Beneficiary : 8

Hindusthan College of Engineering and Technology
Coimbatore 641 032

Criterion VII
Institutional Values and Best Practices

NAAC
SSR
Cycle 2

INDUSTRY-PARTNERED CENTRES

The goal of an industry-partnered centre is to provide students with a comprehensive education in their chosen field, as well as the practical skills and real-world experience they need to succeed in their careers. HiCET has established the following Industry-Partnered Centres in addition to Centres of Excellence and Competency Development Centres. The list with details (in URL) are given below:

1. **IBM Software Lab**

2. **Red Hat Academy**

3. **ORACLE Academy**

4. **VMware IT Academy**

5. **AWS Academy**

6. **ICT Academy**

7. **NASSCOM**

8. **TERV**

9. **Examly**

10. **Skill Rack**

Industry-Partnered Centres

- 2022 — AWS Academy — Beneficiary : 65
- 2021 — TERV — Beneficiary : 757 / NASSCOM — Beneficiary : 4000
- 2020 — IBM Software Lab — Beneficiary : 370
- 2019 — Red Hat Academy — Beneficiary : 44
- 2018 — Skill Rack — Beneficiary : 300 / Examly — Beneficiary : 4000
- 2017 — ORACLE Academy — Beneficiary : 300
- 2016 — VMware IT Academy — Beneficiary : 250
- 2014 — ICT Academy — Beneficiary : 8830
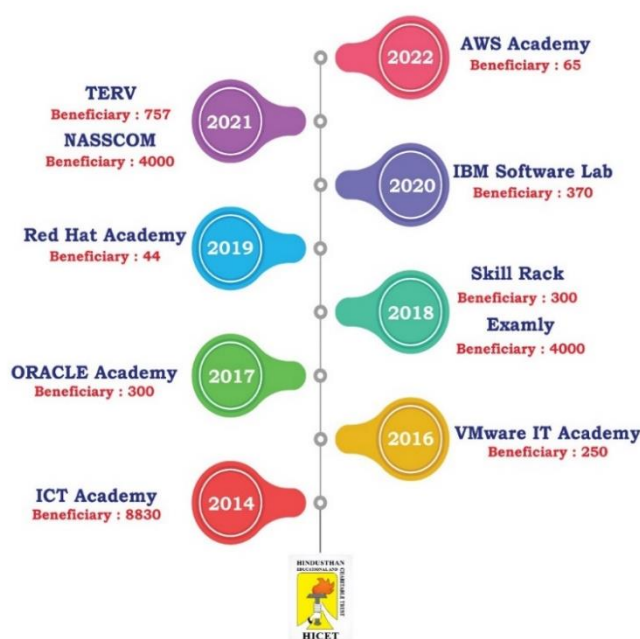
URL of the Industry-Partnered Centres
https://www.hicet.ac.in/explore-more#industry-partnered-centres

PROFESSIONAL SOCIETY PARTNERSHIPS AND ACTIVITIES

HiCET has collaborated with the following Professional Societies to provide students with opportunities to connect with professionals in their field, learn about the latest developments and trends, and gain valuable experience and exposure. **It supports webinars, internships, projects, joint conferences, workshops, symposiums, industrial trainings, guest lectures and also professional development activities.**

Hindusthan College of Engineering and Technology
Coimbatore 641 032

Criterion VII
Institutional Values and Best Practices

NAAC
SSR
Cycle 2

PROFESSIONAL SOCIETY PARTNERSHIPS AND ACTIVITIES

ACCE(I)-Association of Consulting Civil Engineers
ICI-Indian Concrete Institute

Civil Engineering — Activities : 30 Benefited : 1479

Activities : 14 Benefited : 916 — **Computer Science Engineering**

CSI-Computer Society of India

ISoI-Instrument Society of India

Electronics and Instrumentation Engg — Activities : 14 Benefited : 948

Activities : 14 Benefited : 911 — **Mechanical Engineering**

SAE-Society of Automotive Engineers

IE(I)-The Institution of Engineers (India)

Information Technology — Activities : 09 Benefited : 673

Activities : 14 Benefited : 911 — **Mechatronics Engineering**

TRS- The Robotics Society

IE(I)-The Institution of Engineers (India)

Aeronautical Engineering — Activities : 06 Benefited : 387

Activities : 04 Benefited : 546 — **Biomedical Engineering**

Biomedical Engineering Society of India

IIChE-Indian Institute of Chemical Engineers

Chemical Engineering — Activities : 03 Benefited : 338

Activities : 04 Benefited : 500 — **Electronics and Communication Engg.**

IE(I)-The Institution of Engineers (India)

IETE - Institute of Electronics and Tele-Communication Engineers

Electronics and Communication Engg. — Activities : 02 Benefited : 153

Activities : 02 Benefited : 154 — **Electrical and Electronics Engg.**

IE(I)-The Institution of Engineers (India)

CII-Confederation of Indian Industry
CMA-Coimbatore Management Association

Master of Business Administration — Activities : 03 Benefited : 190

Activities : 10 Benefited : 127 — **Institution**

IEEE – Institute of Electrical and Electronics Engineers

ISTE – Indian Society for Technical Education

Institution — Activities : 11 Benefited : 215

OUTCOMES OF INDUSTRY AND PROFESSIONAL SOCIETY PARTNERSHIPS

As a result of Industry-Integration and Professional Societies activities, the competency of the students and faculty members have improved gradually in the last 5 years, which are **evidenced by way of their employability, publications, campus students' strength, recognitions**, etc.

1. Progressive Growth

Academic Year	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Number of On-campus Students	5002	4889	4732	4895	5310	5488
Number of new Partnerships (MOUs)	03	08	17	32	52	On going
Number of Students Employed	773	690	765	845	931	On going
Number of Publications in Journals	73	92	113	171	359	On going
Number of Patents (Published + Granted)	0	10	22	86	328	On going

2. Notable Awards / Recognitions

- Awarded with **Most Preferred Engineering Institute** of the Year – South by **12th ASSOCHAM National Education Summit** 2019.
- Awarded with **Outstanding Engineering Institute for Promoting Industry Academia Interface** in Elets **17th World Education Summit**, 2021.
- **Dr K Karunakaran**, Professor of Chemistry & Chief Executive Officer has been provided with **LEAP at University of Pennsylvania** by MoE, GoI in 2021.
- **Dr K Siva**, Professor of Mechanical Engineering has been honoured with **SAEISS Leadership Award** from SAE International.
- **Dr M Mohanraj**, Professor of Mechanical Engineering has been listed consecutively by **Stanford University in Top 2% Scientists** in the World under Engineering and Technology / Energy Engineering category in 2020, 2021 & 2022.

- Dr S Shankar, Professor of CSE has been issued **Certificate of Appreciation** from SWAYAM-NPTEL for the role of SPOC, 2019, 2021 & 2022.
- **AICTE and Texas Instruments** appreciated with certificate to **Dr S Shankar** for being SPOC for the MOOC – Embedded System Design.
- Dr R Poornima, Associate Professor of Mathematics has been awarded with **Women Researcher Award** by VDGOOD Professional Association, 2020 and **Outstanding Doctoral Researcher Award** from Puducherry Academic Researcher Academy, 2022.
- Dr K Sekar, Professor of EEE has been honoured with **Best Emerging Technology Performer Award** by International Journal of MC Square Scientific Research, 2021 and **Award of Excellence in Research** by Novel Research Academy, 2022.
- Dr I Jasmine Selvakumari Jeya, Professor of IT has been honoured with **Longest Continuous SBC** by Computer Society of India, 2017-2019, **Inspiring Innovative Faculty Award** by Madras Journal Series Pvt Ltd, 2021 and **Top Performing Mentor** by NPTEL, 2020.
- **National Winner** in **Learnathon** 2021 & 2022 by ICT Academy.
- **Certificate of Excellence from MathWorks** in 2021 for being adjudged Top Campus with the maximum number of student certifications on Image Processing Onramp using MATLAB.
- **Academic Partner Excellence Award** from **ICT Academy**, 2016 and 2022.
- **Best Project Award** in the **Intel-FICE Idea Innovation Camp** during 2017 held at Bangalore.
- MoE's IIC has achieved **4 STAR Rating** in the Country, 2022.
- **ARIIA Ranking**: Band-Performer in 2022.
- **Best Accredited Student Branch** from Computer Society of India, 2017-2019.
- **National Employability Award** from AMCAT, 2016, 2022 & 2023
- **Partner Excellence Award** by VMware IT Academy, 2017.
- MSME supported **Business Incubation Centre has received 2 incubation projects** with 26.5 L as funding.
- In past 5 years, **38 Awards** including overall winner /runner-up championship were achieved by SAE in SAE Efficycle, SAE BAJA, SAE Supra, Hybrid Vehicle Challenges and Solar Vehicle Competitions.
- **16 Gold** medals, **85 Silver** medals and **238 Elite** certificates in NPTEL / SWAYAM.
- **Winner** in the Hardware Edition in **SIH2019**.
- **First Prize** in **TECHTRYDAN**, 2019.

- **Champion in Mapathon 2022** organized by IITB-AICTE.
- Best among Top 10 Teams Award in **Flipkart GRiD3.0**, 2021.
- Dr VT Gopinathan has been sanctioned with a **R&D Project** from **IE(I)**.
- Ms R Sakthi Shree, Student of Civil Engineering has been granted **CAV Dr GKD Memorial Award** in 2022 by **IE(I)**.
- Mr S Sri Balaji, Student of Aeronautical Engineering has received **Sri Sengoda Gounder Memorial Award** in 2021 by **IE(I)**.