

**Criterion VII
Institutional Values and Best Practices**

**BEST PRACTICE 1
DIGITAL LEARNING**

1. Title of the Best Practice : Digital Learning

2. Objectives of the Practice

- HiCET provides the students the **latest trends in Digital Learning** to meet the updated global needs and through this, the students are largely benefitted.
- The core objective is to **bring students under digital era** and for this purpose the institution creates opportunities, awareness and motivates them towards self-learning practices.
- The institution also **facilitates online platforms** and equips the students to face challenges and to grab opportunities in the future with confidence.

3. The Context

The conventional education system is insufficient for the students to suit to the industrial requirements and match with their expectations. Hence, there is an urgent need for students to update their knowledge and upgrade their acumen for competency development. The world is moving towards technology beyond boundaries and knowledge sharing has become a way of life in the past few years. In this context, the institution has considered digital learning as one of the best practices in order to facilitate the students to show interest for acquiring knowledge through self-learning practice via online courses through **ICT Academy, NASSCOM, SWAYAM, Coursera, edX, AWS, Infosys Springboard, TCSion, IBM, Wipro, FDPs/STTPs, CTS, Nalaya Thiran, Nann Mudhalvan, NITTTR, UHV, VM Ware, Honeywell, DXC, AICTE LITE and AICTE KARMA.**

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4. The Practice

The concept of digital learning through **Online Courses began in the year 2018** in the institution. It is being implemented through the following practices.

- Facilitated Students and faculty members to take up **NPTEL courses**
- Received 5000 licenses from **COURSERA** to undergo free online courses
- Encouraged students to take up **ICT Academy Learnathon** courses
- Obtained 1000 licenses from **eDX** to learn free online courses
- For **Project Based Learning courses**, student teams with a maximum of 4 in each team were formed to complete projects using agile approaches under the guidance of faculty and industry mentors. The outstanding teams were identified and recognized
- Opportunity to learn through training is organized
- Online AICTE sponsored **FDPs and workshops** have been effectively utilized

5. Evidence of Success

Digital Learning has educated and enriched the learners on the new trends that are implemented in the technical world. **HiCET has effectively used this and the evidence of success in digital learning is as follows.**

HiCET has secured

- 54489 certificates in '**Learnathon**' conducted by ICT Academy
- **Academic Partner Excellence Award** from ICT Academy, 2016 and 2022

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- **Certificate of Excellence** from 'MathWorks' in 2021 for obtaining the maximum number of certifications on Image Processing Onramp using MATLAB
- **16 Gold medals, 85 Silver medals, 238 Elite** certificates and 668 certifications in NPTEL/SWAYAM
- **'The Best Project Award'** in the Intel-FICE Idea Innovation Camp in 2017 held at Bangalore
- **ARIIA Ranking:** Band – Performer in 2022
- **National Employability Award** from AMCAT, 2016 & 2020
- **Partner Excellence Award** by VMware IT Academy, 2017
- 10675 courses certifications in **Coursera** from 3855 enrolments
- 1689 certificates from **edX** (904 students and 35 faculty members)
- 11071 courses certification from **NASSCOM** have been completed
- **51 certifications from NITTTR and 44 certifications from AICTE Karma Scheme**

HiCET has made a mark in learning through training with

- **424 participations in Nalaya Thiran**
- **150 participations in Naan Mudhalvan**
- **38 students in IBM Hack Challenge**
- **300 participations in Infosys Springboard, 108 in Wipro, 49 in AWS and 200 in TCSion**
- **105 student beneficiaries in Honeywell**
- **99 student beneficiaries in DXC**
- **250 student beneficiaries in VMware**
- **6885 student beneficiaries in Examly**
- **687 student beneficiaries in Terv**
- **19 student beneficiaries in CTS (Digital Nurture 2.0)**

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- **538 student beneficiaries in IBM Integrated courses**
- **965 of the faculty members attended online FDPs and 32 have completed online UHV courses**

For the past 5 years, a total of 81,662 online certificates in the areas of new-era technology, skill development and real-time domain specific knowledge are obtained by the Students and Teachers.

6. Problems Encountered and Resources Required

- Psychological inconveniences while swapping from conventional method of learning to digital learning.
- Impact of socio-economic conditions of the students will have a bearing impact on the implementation of Digital Learning practice.
- The challenges faced by the faculty members in changing the perception of students towards Digital Learning.
- Issues connected with financial commitment of the management in providing the resources required for Digital Learning.

In spite of the problems and issues cited above, the institution is making best effort towards the effective implementation of Digital Learning to facilitate self-learning by the students.

7. Notes

*Digital Learning provides the use of new teaching pedagogy which is an essential part of **self-learning** in the educational system. To enhance Digital Learning the Institution has framed the '**Fast-Track System**' with credit transfer from MOOC.*