



Silicon Tech

Techno Entrepreneurship Development Program TEDP – 2021

12th Feb. – 26th Mar. 2021

- related activities
- + Business profile preparation, business plan formulation, assessing the viability of a business plan
 - + Basics of Embedded System
 - + Programming an Embedded System Different levels of programming
 - + Programming using SOCs and Arduino IDE, Digital Read and Analog Read
 - + Communication between Arduino and Basics of IOT
 - + Basics of IOT, Relevance with IoT, Raspberry Pi, Linux Basics
 - + Programming Basics, Operators of Python
 - + Sensor, Wireless Protocol, Wired Communication Protocol
 - + Cloud Computing, Node Red, Dashboard Node HTTP Node and RESTFUL API

Registration

Those who want to participate can register through the following link:

<http://bit.ly/2Kz8fEF>

Selection

Selection will be made on the basis of online interview. Only 25 participants will be selected for the training programme.

Fees

There is no registration fee

Mode of Conduction

Online (Zoom platform)*

** Inauguration and Valediction may be done through offline mode by following all the **COVID** guidelines.*

For more details please contact:

Dr. Mahendra Prasad Agasty

Mobile: +91-9861140921

e-mail: mahendra@silicon.ac.in

Organized by

Entrepreneurship Development Cell, Silicon Institute of Technology,
Bhubaneswar

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Rationale

Entrepreneurship plays an influential role in the economic growth and standard of living of the country. Entrepreneurs are frequently thought of as national assets to be cultivated, motivated, and remunerated to the greatest possible extent. In addition to creating wealth with entrepreneurial ventures, successful entrepreneurs also create jobs and contribute to a growing economy. A series of successful cases have proved that entrepreneurs can be created by educational endeavours involving teaching, training and counselling through structured interventions.

With the advent of Embedded Systems and the scope it has created for Engineers in the industry, it has become necessary to have hardware-based programming/product development skills for the engineering community at large. Having foreseen this, this training program on Embedded System and IoT with prototyping has been designed. In this course, we widely use the platform by hobbyist's engineers to solve problems and develop simple and effective low-cost applications. The training is intended for students/professors who are interested in implementing the basis of programming and learning the different electronics interfaces product. The training will be conducted using various platforms based on Microcontroller/RPi.

An electronics business provides a variety of mechanical products and parts to consumers, including mobile phones, multimedia gadgets, computers, peripherals, and components. If you are finding a new job and love electronics, then this training program will definitely help you. India's The Future of Electronics Manufacturing - India has the world's second largest population and one of the fastest growing economies in the world. India's electronics manufacturing sector is booming as a super power. In the last few years India has made rapid strides in the electronics sector especially in the Automation/Defence/Consumer Electronics services. Chain of programs like Digital India and Make in India have tremendously helped the electronics industry to grow.

Electronics is home to some of the most talented innovators in the world. From students to professors, some of these aspiring entrepreneurs take their ideas directly to market by creating start-ups.

Entrepreneurship Development Cell Silicon Institute of Technology, Bhubaneswar

The Silicon Entrepreneurship Development Cell was launched in March 2011 funded by AICTE, New Delhi, with a view to encourage students to consider self employment as a career option, provide training in Entrepreneurship through modular courses and increase the relevance of Management particularly in the non-corporate and under managed sectors. In the days of multinationals, small scale industry and first generation entrepreneur have to contribute significantly in the country's economic development. The main thrust of all the policies is on the

development of the new entrepreneurs. Motivational inputs and the infrastructure of the support system occupied a significant position in equipping “the first generation entrepreneurs”. The main focus of the cell is to develop entrepreneurial motivation, behavioural skills and competencies and enterprise management abilities among the students and the budding entrepreneurs.

Aim & Objective of the Program

The objectives of this program are:

- to motivate the youth to choose entrepreneurship as a career
- to prepare them to exploit the market opportunities for own business successfully
- to identify and train the potential entrepreneurs in the region
- ¶ to develop necessary knowledge and skills among the participants
- + to impart basis managerial knowledge and understanding
- + to help in selecting the right type of projects and products
- + to develop small and medium enterprises which are necessary for employment generation and wider dispersal of industrial ownership

Target Group

Interested participants having the following qualifications are eligible to apply for this program:

- + Science and Technical Graduates
- + Diploma Holders
- + Entrepreneurs having technical background

Methodology

- + Lectures, discussion, brain storming session, cases presentations and simulations exercises
- + Assignments
- + Exposure visit to institutions and small enterprises
- + Group work and practice sessions

Content

The content of the program is broadly classified as follows:

- + Skills and behavioural training: Entrepreneurial motivation and competence, problem solving, counselling and communication
- + Resources building: Procedures and formalities in setting up new enterprises, incentives and benefits for entrepreneurs
- + Self-directed attitudinal and behavioural changes resulting in confidence building for taking up and implementing entrepreneurship development