

ENTREPRENEURSHIP DEVELOPMENT CENTRE

GOVERNMENT COLLEGE OF ENGINEERING DHARMAPURI

Action Taken Report 2022

Mission & Objective:

To develop a startup ecosystem that would impart the necessary skill development for product conceptualization to prototype development using additive manufacturing process.

Academic Appointments:

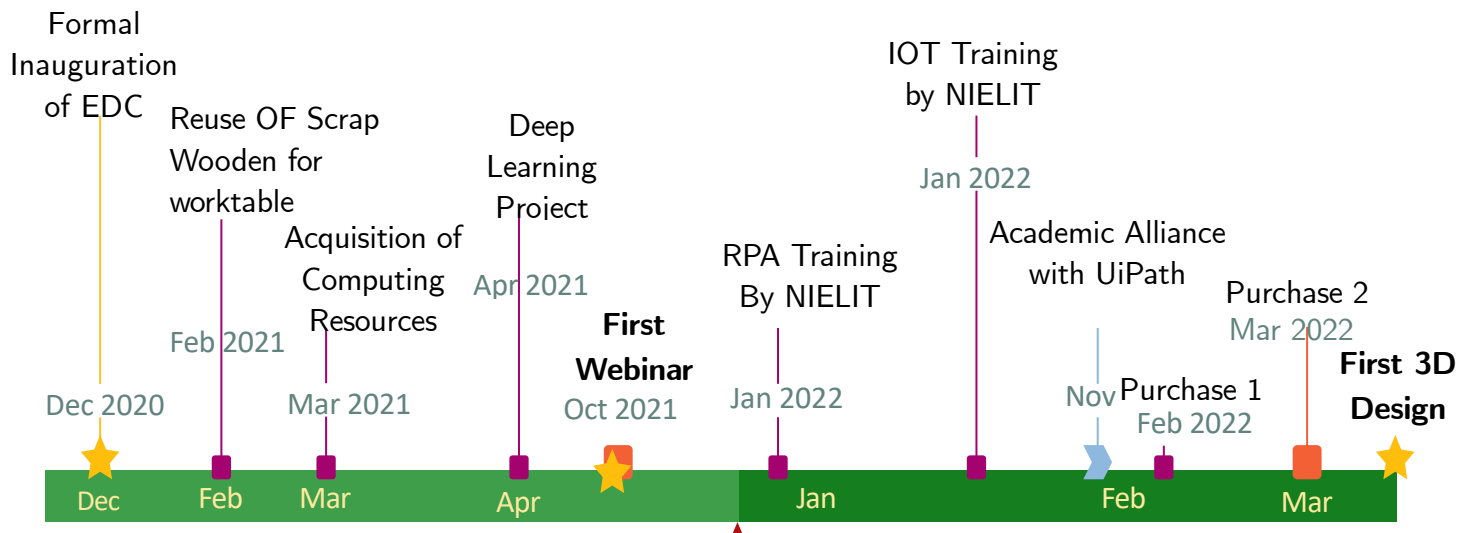
- Dr. Dinesh G. AP/ECE – Coordinator
- Prof. P. Nirmal AP/CIVIL
- Dr. Velmurugan ASP/MECH
- Prof. S. Nirmal Kumar AP/EEE
- Prof. Prakash AP/CSE

Proposed Thrust Areas:

Thrust areas proposed by respective department faculty in charge for EDC

- CIVIL : Development of drawing using AUTOCAD.
- MECH : Handling of CNC machines and Turning machines.
- CSE : Web Development, App Development, handling Cloud Services.
- EEE : Electrical Installation, basic repairing and inspection.
- ECE : PCB Layout Design, Development of DIY kit.

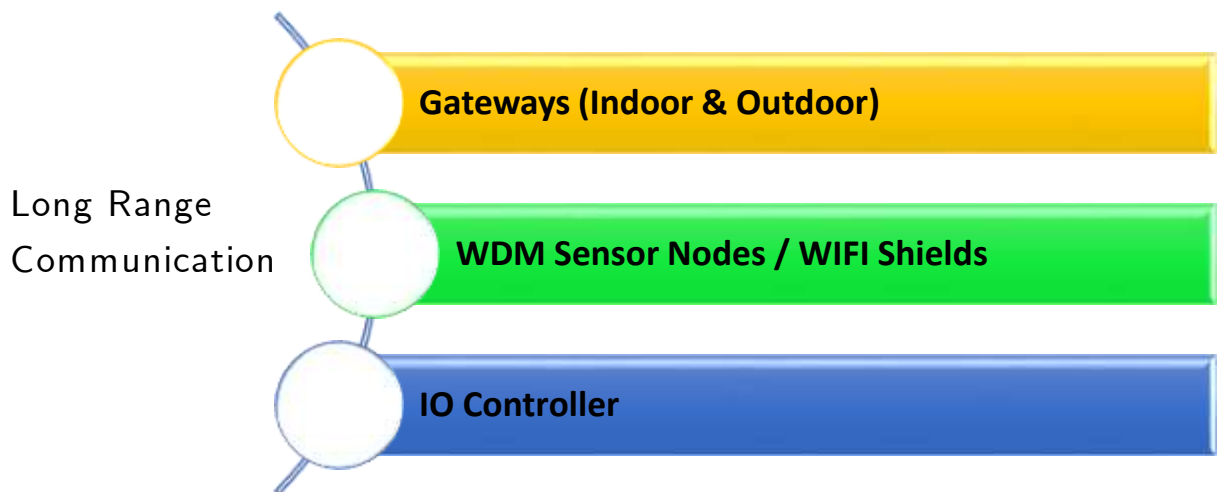
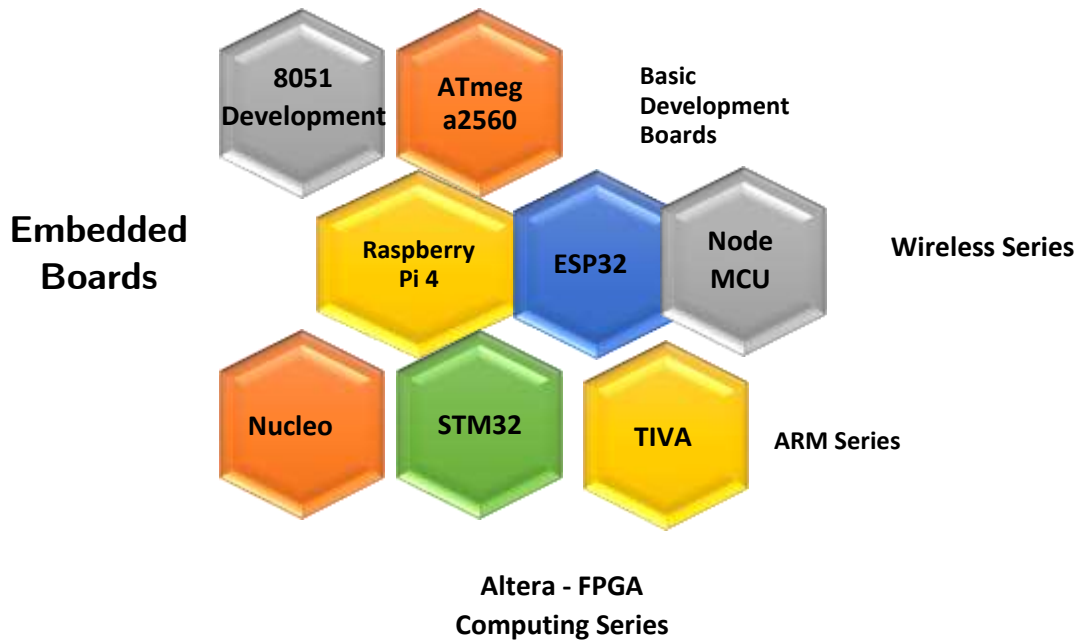
EDC Timeline



Resource Availability:



- Additive Manufacturing Facility:
 - **Creativity 3D Printer – 4 Nos**
- PCB Printing Machine



FIRST WEBINAR:

Title: "A GUIDE ON ENTREPRENEURSHIP"

Speaker: Mr. Arun Ganapathy, Director of 1-KNOT Pte Ltd. Singapore

Date: 21st October 2021 at 3.30 PM.

About Speaker:



- Over 23 years of experience in Engineering and Management.
 - Director at 1-KNOT Pte Ltd, Singapore
 - Strongly believe that Knowledge gained if unshared is vain
 - An MBA graduate from University of Western Australia.
 - Design expertise on systems engineering, instrument & controls solutions, flow measurement and desalination systems.
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- Gained global perspective by working with MNC's like Emerson, Yokogawa, Foster Wheeler and Business Development perspective from SME's like PEI, Consen & ISEP.
 - Certified Risk Management Professional.
 - Positive & Professional approach and good communication ability

Number of Participants: 35 (Online Mode)

Snapshots:



TRAINING:

The following are the details on the training programme undergone by the faculties organized by National Institute of Electronics & Information Technology (NIELIT), MeitY, Chennai under Future Prime Skills Initiative of NASSCOM

Robotic Process Automation:

Training Content: Introduction to RPA UiPath Studio Creating a basic process, Types of variables, Handling Data control and Workflows, Different Datatypes, Excel and Data Tables, PDF Automation, Email Automation, Recording and UI Interactions, Selectors, Exception Handling and Debugging.

Timeline: 03-Jan-2022 to 13-Jan-2022

Internet of Things (IOT):

Training Content: Introduction to IOT, Microprocessor and Microcontrollers, Sensors and Actuator for various IOT Applications, Wireless Technologies and Edge Computing.

Timeline: 17-Jan-2022 to 28-Jan-2022

Faculties Trained:

1. Dr. V. Sumathy, Principal
2. Dr. R. Thiyagarajan, ASP
3. Dr. M. Arivamudhan, ASP
4. Prof. T. Balamurugan, AP
5. Dr. Dinesh G. AP

Snapshots:



RAPID POTOTYPING LAB SET-UP:



PROPOSED VERTICALS:



EYANTRA, IIT BOMBAY:

Embedded System and Robotics lab under e-Yantra Lab Setup Initiative (eLSI)

e-Yantra Lab Setup Initiative (eLSI) is a holistic approach to

- Impart theoretical and programming knowledge to teachers (and students)
- Provide hands-on experience to teachers through an online training program
- Help colleges set up their own Robotics labs

Modus Operand:

1. eLSI enables colleges to teach Robotics and embedded systems in an effective manner by training a team of four (4) teachers and ten (10) students from colleges in basic embedded systems theory and microcontroller programming.
2. Colleges express their intent to participate in eLSI by nominating 4 teachers and 30 students (out of which e-Yantra shortlists 10 students based on a selection test) to be trained and creating an infrastructure - a robotics lab in their college by committing space and funds.

Stages of Approval:

1. **Proposal for establishing e-Yantra Lab at your institute**

2. **Equipment List for Lab Setup**

3. **Letter of Intent (LoI) format**

— Completed

— Pending