



**INSTITUTION INNOVATION COUNCIL (IIC)**

**LIST OF VARIOUS EVENTS CONDUCTED IN CBIT (Quarter I, II, III & IV)**

**AY 2023-24**

**IIC Events**

S.No.	DATE	NAME OF THE EVENT	CONDUCTED BY DEPARTMENT	EVENT AS
1	15/09/2023	Engineer's Day Celebrations	Civil	Self Driven Activity
2	25/09/23 To 29/09/23	5 Day's workshop training program on LAB VIEW to IV EEE students	EEE	Self Driven Activity
3	09/10/23 To 14/10/23	5 Day's workshop on VLSI Design	ECE	Self Driven Activity
4	10/10/23	My Story – Motivational Session by Successful Innovator	IIC	IIC Calendar Activity
5	11/10/23	International Girl Child day	IIC & EDC	Self Driven Activity
6	16/10/23	"Innovation Day"	IIC & EDC	Celebration Activity
7	27/10/23 To 28/10/23	IOT & Robotics Programming	Mechanical	Self Driven Activity
8	30/10/23	Ideas Hackathon (Smart India Hackathon – 2023)	IIC	IIC Calendar Activity
9	2/11/23 To 3/11/23	2 days workshop on "Financial Education for Young Citizen"	MBA	Self Driven Activity
10	9/11/23	National Entrepreneurship Day-2023	IIC & EDC	Celebration Activity
11	10/11/23	Guest lecture on "Construction by Concrete 3D Printing"	Civil	Self Driven Activity
12	11/11/23	National Education Day - 2023	IIC	Celebration Activity
13	17/11/23	Problem solving and Ideation workshop	IIC	IIC Calendar Activity
14	25/11/23	National Entrepreneurs Day - 2023	IIC	IIC Calendar Activity
15	27/11/23	Project Expo-2023 by III B.Tech ECE students	ECE & IIC	IIC Calendar Activity
16	29/11/23 To 02/12/23	3D Printing and Drone Technology	Mechanical	Self Driven Activity
17	28/11/23	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	IIC	IIC Calendar Activity
18	30/11/23	My Story – Motivational Session by Successful Entrepreneur/Start-up founder	IIC	IIC Calendar Activity
19	01/12/23	Project Expo-2023 by IV B.Tech ECE students	ECE & IIC	IIC Calendar Activity
20	01/12/23	Exposure & Field Visit on Problem Identification	IIC	IIC Calendar Activity
21	02/12/23	National Pollution Control Day - 2023	IIC & NSS	Celebration Activity
22	04/12/23	Electrical Circuit Analysis and its Applications	EEE	Self Driven Activity



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23	08/12/23	Recommender System	CSE	Self Driven Activity
24	08/12/23	2 Days Hands on workshop on “Steel is Ductile” – Reinforcement Details	Civil	Self Driven Activity
25	11/12/23	Organise Viksit Bharat @2047 Utsav in Campus and Watching the Inaugural Address by Hon’ble PM of India.	IIC	MIC Activity
26	14/12/23	National Energy Conservation Day (India) - 2023	IIC	Celebration Activity
27	06/01/24	IIC regional meeting	IIC	MIC Activity
28	12/01/24	National Youth Day - 2024	IIC	Celebration Activity
29	18/01/24	National Startup Day - 2024	IIC & EDC	Celebration Activity
30	29/01/2024 to 03/02/2024	Workshop on CATIA – Product Design and Drafting	ME	Self Driven Activity
31	09/02/2024	Workshop on Design thinking - Innovation design - Critical thinking	IIC	IIC Calendar Activity
32	16/02/2024	Workshop on Entrepreneurship Skill, Attitude and Behaviour	IIC	IIC Calendar Activity
33	17/02/2024	A Seminar on “The effective ways to type the text and organize”	IQAC	Self Driven Activity
34	17/02/2024	A Seminar on “Use of End Note in Research Article”.	IQAC	Self Driven Activity
35	28/02/2024	One day Workshop on “ The Next Dimension: Emerging Trends and Future Directions in VR/AR Technology”	Civil & CSE	Self Driven Activity
36	20/02/2024	Achieving Problem - Solution fit & Product - Market fit - IIC - Q-2	IIC	IIC Calendar Activity
37	28/02/2024	National Science Day 2024	IIC	Celebration Activity
38	08/03/2024	International Women’s Day	IIC	Celebration Activity
39	11/03/2024	Workshop on Intellectual Property Rights (IPR) and IP Management for Startups.	IPR Cell & IIC	IIC Calendar Activity
40	25/04/2024	World Intellectual Property Rights Day-2024	IPR Cell & IIC	Celebration Activity
41	25/04/2024	An Orientation Program on Innovation, Intellectual Property Rights & Startup	IPR Cell & IIC	Self Driven Activity
42	20/05/2024	A Session on Business Model Canvas (BMC)	IIC	IIC Calendar Activity
43	25-05-2024	One day Workshop on Strategic Communication and Soft Skills Development	Dept. of H&S, CBIT & IIC	Self Driven Activity
44	25-05-2024	Awareness Program on Gender issues and Sensitization	Dept. of H&S, CBIT & IIC	Self Driven Activity
45	05/06/2024	An Awareness Program on ‘World Environmental Day-2024’	NSS & IIC	Self Driven Activity
46	10/06/2024	An Orientation Program on IIC	IIC	Self Driven Activity
47	21/06/2024	An Awareness Program on	NSS & IIC	Self Driven





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		‘International Yoga Day-2024’		Activity
48	22/07/2024	Personal Enrichment Program	<b>Dept. of ECE &amp; IIC</b>	Self Driven Activity
49	26/07/2024	Session on Angel Investment and VC Funding Opportunity for Early-Stage Entrepreneurs.	<b>IIC</b>	IIC Calendar Activity
50	27/07/2024	IIC Progress Monitoring and Impact Measurement.	<b>IIC</b>	Self Driven Activity
51	29/07/2024	Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs	<b>IIC</b>	<b>MIC Activity</b>
52	30/07/2024	A Session On Lean Start- up Minimum Viable Product Or Business	<b>IIC</b>	<b>IIC Calendar Activity</b>
53	31/07/2024	Strengthening IIC Linkages with ATLs and SICs in Schools and Framework for providing Mentorship Guidance.	<b>IIC</b>	<b>MIC Activity</b>
54	02/08/2024	Building the Pipeline of Quality Innovations and Start-ups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR).	<b>IIC</b>	<b>MIC Activity</b>
55	05/08/2024	Orientation cum Refreshers' Session on Institution's Innovation Council Objectives, Structure, Operation for IIC Institutions.	<b>IIC</b>	<b>MIC Activity</b>
56	13/08/2024	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up	<b>Dept. of MBA</b>	IIC Activity
57	19/08/2024	An Awareness Program on SIH-2024	<b>EDC &amp; IIC</b>	Self Driven Activity
58	23/08/2024	Session on Accelerators Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs	<b>IIC</b>	IIC Activity
59	24/08/2024	Innovation and Entrepreneurship Outreach Program in ATL School.	<b>IIC</b>	IIC Activity
60	27/08/2024	Organizing Intra Institutional Start-up contest	<b>Dept. of MBA , EDC &amp; IIC</b>	IIC Activity
61	28/08/2024	A seminar on “Basics of Intellectual Property Rights”.	<b>Dept. of MBA</b>	Self Driven Activity
62	28/08/2024	A seminar on “Generation and Management of IP at the Early Stage of Innovation”.	<b>Dept. of CE</b>	Self Driven Activity
63	29/08/2024	Session on Entrepreneurship and Innovations	<b>IIC</b>	Self Driven Activity
64	10/09/2024	Importance of Intellectual Property Rights	<b>Dept. of ECE</b>	Self Driven Activity



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VIDYA NAGAR, PALLAVOLU (V), PRODDATUR-516360, Y.S.R (Dt), A.P

## ENGINEERS DAY CELEBRATIONS



A REPORT ON ENGINEERS DAY CELEBRATIONS

LOCATION: CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

NUMBER OF PARTICIPANTS: 100

DATE: 15-09-2023

ACADEMIC YEAR 2023-24



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## **ENGINEERS DAY CELEBRATIONS**

India observes Engineer's Day on September 15 as a mark of remembrance and tribute to Mokshagundam Visvesvaraya, who is considered as one of the greatest engineers in the country. Vishveshvarya is also known as the father of Indian Engineering because of his enormous contributions and innovations in the field of engineering and development of society. India has been celebrating Visvesvaraya's birth anniversary as Engineer's Day since 1968. He went on to become India's most prolific civil engineer, dam builder, economist and statesman. He was one of the most prominent builders of India in the 20th century. When Visvesvaraya was the Divan of Mysore from 1912 to 1918, he transformed the state into what was then known as a 'model state'. For his numerous industrial, economic and social projects, he was called "Father of Modern Mysore"

Visvesvaraya was also the chief engineer responsible for the construction of the Krishna Raja Sagara Dam in Mysore, the biggest in Asia at that time. In 1909, when the city of Hyderabad was in danger of getting flooded, Visvesvaraya was appointed as special consultant engineer to make the city flood-proof. His inventive engineering work saved the Visakhapatnam port from sea erosion.



Visvesvaraya is credited with inventing the block system, automated doors that close the water overflows. He designed and patented the floodgates which were first installed at the Khadakwasla reservoir in Pune in 1903. Visvesvaraya established Government Engineering College in 1917 in Bengaluru which was later named University Visvesvaraya College of Engineering in his honor. Due to his outstanding contribution to the building of India, the government conferred 'Bharat Ratna' on him in 1955. He was also awarded the British knighthood by King George V, which put the honorific 'sir' before his name.



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We at CBIT Engineering College habituated to celebrate the birth celebrations of Sir Sri Mokshagundam Visvesvaraya as a token of gratitude to the legendary Engineer of the country.

Sir M Visvesvaraya was a divine gift to India. He knew his subject, was competent to do great designs of civil engineering structures, and executed what others might have avoided as risks. Present engineering professionals and researchers should follow his example and gain knowledge to minimize risks while launching mega projects.

Our Principal **Dr. G. Sreenivasulu** sir instructed all the faculty members to assemble for the celebrations of Sir M Visvesvaraya. All the heads of the departments along with their staff members assembled in the seminar hall. The photo of Sir M Visvesvaraya is respected with garland by the principal sir. Principal sir addressed the gathering with beautiful words of Sir Mokshagundam Visvesvaraya garu. As an engineering college principal, he wished every engineer should have some social responsibility towards the society for the betterment. Every engineer needs to identify the problems in the society and try to find the solutions for the problems.

Our Chairmen **Dr. V. Jaya Chandra Reddy** sir, urged the students to aim to be great engineers with technical skills as well as personal qualities. He remembered the importance of an engineer to the society. Engineer is the key position in building the nation in all areas.

Our Chief Guest **Mr. J. Gopala Krishna** has worked as Ex-General Manager in “SATISH DAWAN SPACE CENTRE SDSC SHAR ISRO” has shared his work experience and achievements to all participants and upcoming engineers. Later, the chief guest gave a Presentation on the ISRO.

**Mrs. S. Sruthi, HOD, CE** department added that career planning is an ongoing process during engineering and students need to be strong technically. Heads of various departments spoke on this occasion and remembered the importance of engineers to the society. They paid tribute to the India's most respected engineer Sir Mokshagundam Visvesvaraya garu.

On this occasion, Department of CIVIL Faculty members organized the Quiz competition, Project Expo, Poster Presentation, Paper Presentation and Treasure hunt at individual class level followed by group activity to inculcate competitive spirit among the budding engineers. Faculty coordinators played a major role in collection of topics.



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Topics included in the Quiz competition:

- i) General knowledge
- ii) Current affairs
- iii) Civil Engineering Topics

Topics included in the Project Expo:

- i) Proto Type model of ISRO
- ii) Multi storied Parking building Model
- iii) Waste Tyres used in Road Pavement Model
- iv) Pervious Road Model
- v) Drip Irrigation Model
- vi) Rotating Bridge Model
- vii) London lifting Bridge Model
- viii) Waste Water Treatment Model

Topics included in the Poster Presentation:

- i) Solid Waste & Improper Solid Waste Management
- ii) Green Building
- iii) Geo-Polymer Concrete
- iv) Mass Concrete
- v) Self -Healing Concrete

Topics included in the Paper Presentation:

- i) Usage of un-decomposed materials in roads
- ii) Ground Improvement Techniques
- iii) 3D Printing Technology in Construction
- iv) Plastic Bricks
- v) Cloud seeding





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vi) Sustainable Buildings

## **CE-III/IV –Quiz Competition**

**Winners:** S. Shaheen, R. Dilshad, G. Aparna, N. Kalyani, G. Sumanth

**Runners:** G. Surya Narayana, G. Sunil, O. Veera Reddy, Y. Sandhya, K. Chinnari

## **CE-III/IV- Paper Presentation**

**Winner:** G. Surya Narayana

**Runners:** Q. Fahim, S. Roshan Sait

## **CE-II/III- Poster Presentation**

**Winner:** K. Vyshnavi

**Runner:** S. Shaheen

## **CE-II/III/IV- Treasure Hunt**

**Winner:** Jayasree, Thanusha Reddy, Vineetha, G. Sumanth, J. Sandeep, G. Ganesh

**Runners:** Akhila, Chaitanya kumar Reddy, Y. Sandhya, Chinnari, O. Veera Reddy, G. Surya Narayana

More than 100 students participated in this event. At last the Prizes are distributed to the winners and runners on the hands of Chief Guest, Chairmen of CBIT and Principal Of CBIT. At the end of the event the Chief Guest was Felicistated by the Chairmen and Principal of CBIT

The initiative taken by CE department at CBIT was highly appreciated by all the staff members and the students. It was an open opportunity to all the BTech II/IV and III/IV CE students to showcase their talents. Students with the remarkable performances were awarded with attractive gifts.

**“To the optimist, the glass is half full. To the pessimist, the glass is half empty. To the engineer, the glass is twice as big as it needs to be.”**



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Welcoming to the Chief Guest , Principal & Chairmen Sir for the Project Expo visit



Students explaining their Projects to the Chief Guest



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Students with their Projects







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Students with their Projects



Students with their Projects



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Students with their Projects



Students explaining their projects to the other Department HOD's





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**Collecting the Signatures of the chief Guest and all members participated in the event**



**Jyothi Prajvalana by the Chairmen, Principal and Chief Guest**



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

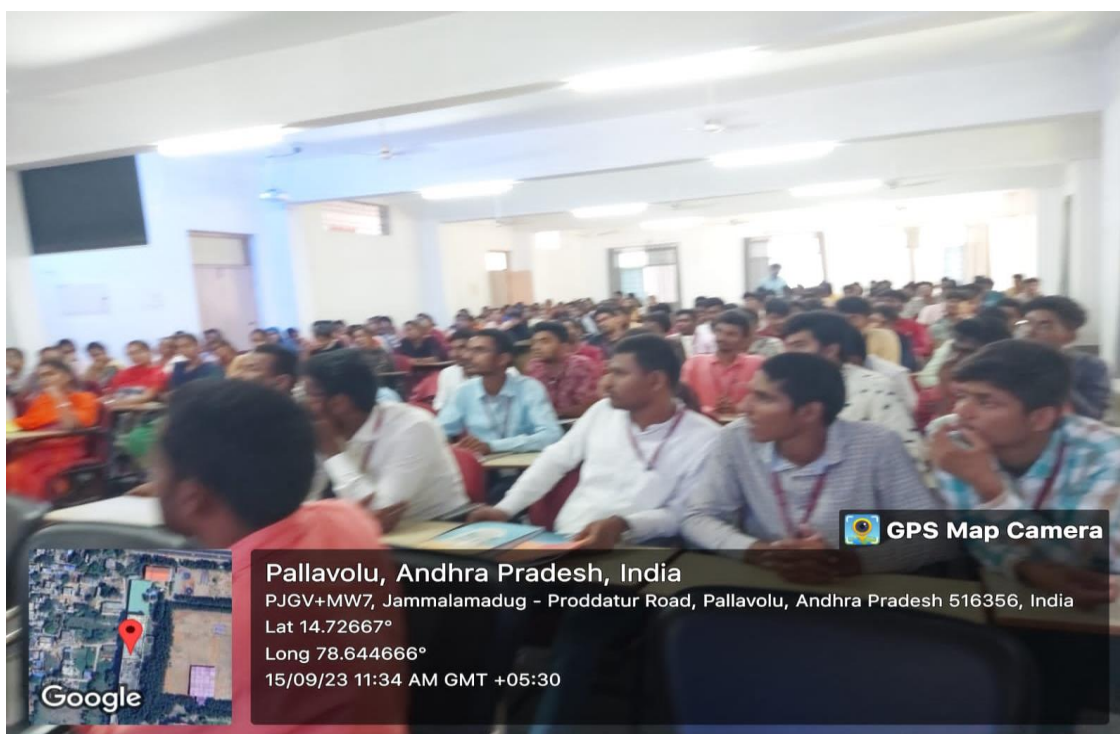
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Chief Guest Sharing his knowledge about the ISRO to all the participants who attended the event



Participants are listening the valuable information given by the Mr. J. Gopala Krishna garu





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**Students are taking the Prizes on the hands of Chief Guest and Honorable Chairmen sir**



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Vidya Nagar, Pallavolu(v), Proddatur-516362(A.P) India

## Activity Report

Name of the Activity	: Workshop
Title of the Workshop	: Exploring “LABVIEW SOFTWARE” Tools & Techniques for Engineering Applications
Date of the Event	: 25/09/2023 TO 29/09/2023
Scheduled Time	: 9:15 AM to 04.00 PM
Keynote Speakers	: 1.Dr. Suresh Kumar, Manager Training, 2. Mr. M. Dhilip, Senior Executive Training
Target Audience	: IV EEE Students
No. of Participants	: 65
Co-coordinator(s)	: Mr.Y.Sreedhhar, Mr.Nagarjuna.P
Venue of the Event	: Placement Lab

### Workshop Report:

A LabVIEW workshop was conducted in CBIT, Proddatur conducted by Department of EEE in association with “TVS Training & Services Ltd”. This workshop was conducted to IV EEE students from 25/09/2023 to 29/09/2023 with the two trainers. The entire programme was divided in to five days of theoretical and practical classes. There is a schedule shown below of five days below.

S.No.	Date.of.Training	Topics Covered
1	25/09/2023	Introduction to LAB VIEW, Basic concepts: Numeric, Boolean controls, etc.,
2	26/09/2023	Tank filling program, Reverse tank filling program through LAB VIEW.
3	27/09/2023	Boolean controls, Traffic Light Mechanism through LAB VIEW
4	28/09/2023	Introduction to Arduino, Arduino based Blinking LED program, Signal generation (sine, square, triangle...) through LAB VIEW.
5	29/09/2023	Final project submission, demo of the Project, presentation of the project



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**HOD of EEE Dept with Training Members**



**Tainer giving introduction about programme**





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**Students are getting clarifications from trainer**



**Hands on training to the students**

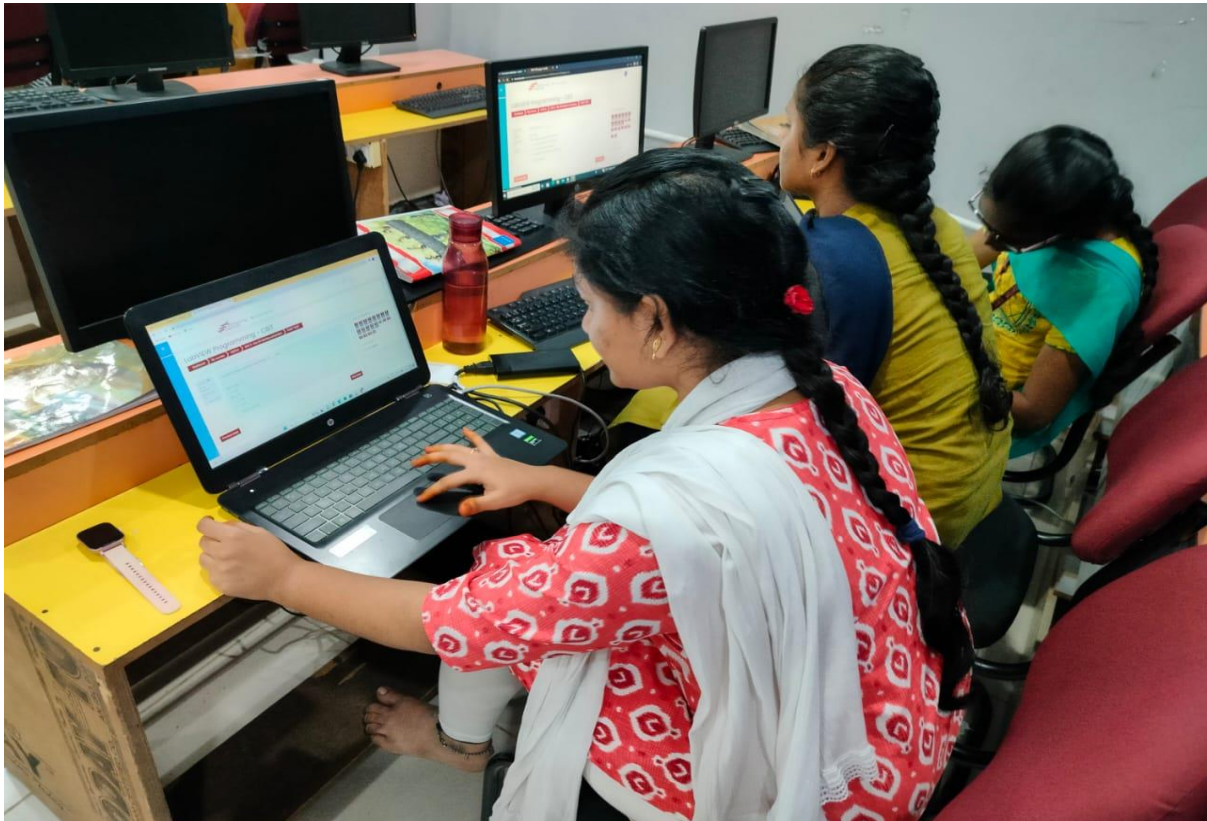




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**Students are practicing the modules**





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### Students are practicing LabVIEW modules in laboratory



A glimpse of Photo with trainers and girls and boys students





## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### **Workshop** **On** **VLSI DESIGN**

*Date: 09 OCT 2023*



### **Report** **On** **Workshop**

## Report

A workshop has been organized by Department of Electronics & Communication Engineering for the IV year I semester students by the CRANES VARSITY. The Main objective of the workshop is to transfer the knowledge on industrial VLSI DESIGN. Totally 57 students attended the workshop. The students were accompanied by a faculty member. The workshop on “five days workshop on VLSI DESIGN” was organized at Chaitanya Bharathi Institute of Technology from 09<sup>th</sup> October 2023 to 13<sup>th</sup> February 2023. The workshop is started with the hands of our Head of the Department Dr.M.Lakshmi Kiran garu.





## Poster:

**A 5 DAY WORKSHOP**  
**ON**  
**VLSI Design**

From 09-10-2023 to 13-10-2023

Conducted by: Department of ECE and Placement Cell

in Association with

**Cranes Varsity**  
Where Technology Meets Excellence

The workshop content is as follows:

### **DAY 1**

**Essentials of FPGA** Introduction to FPGA Architecture of FPGA ASIC v/s  
FPGA v/s CPLD Types of FPGA Applications of FPGA Xilinx Tools  
Introduction

Isim/Vivado Simulation Tool

Xilinx ISE FPGA Development Tool Briefing on Project design and Flow using FPGA.

Introduction to ARTY 7 FPGA

### **DAY 2**

**Introduction to Verilog Language** Introduction to Verilog – Basic Concepts Concurrency,  
delta delay, sensitivity list Data Types/Objects

Operators and Operands Modules, ports and parameters

Blocking/non-blocking assignments System tasks, compiler directives Constructs (if, case,  
loop, generate)

## **Modules and Ports**

### **Modules Ports**

Port connection rules (inputs, outputs, in outs, width matching, unconnected ports)

Connecting ports to external signals (connected by ordered list, connecting ports by name)

## **Gate Level Modeling**

Gate types (and/or gates, buf /net gates, array of instances)

Gate delays (rise, fall, turnoff, min/type/max values)

## **Programming Task/Examples/Testbench (Simulations/Implementation)**

### **DAY 3**

## **Dataflow Modeling**

Continuous assignments (implicit continuous assignment, implicit net declaration)

Delays (regular assignment delay, implicit continuous assignment delay, net declaration delay)

Expressions, operators and operands Operator types (arithmetic, logical, relational, equality, bitwise, reduction, shift, concatenation, replication, conditional, operator precedence)

## **Behavioral Modeling**

Initial statement

Always statement (always block) Blocking assignments

Non-blocking assignments Timing controls Conditional statements

Sequential and parallel blocks Generate blocks

## **Tasks and Functions**

Differences between tasks and functions Tasks (task declaration and invocation, task examples, automatic tasks)

Functions (function declaration and invocation, function examples, recursive functions, constant functions, signed functions)

## **Programming Task/Examples/Testbench (Simulations/Implementation)**

### **DAY 4**

## **Implementing State**

### **Machines State Machine**

Introduction Designing of  
State Machines

## **Integrating IP Core**

IP core generation and integration into Verilog Code.

IP core-based design on FPGA.

## **FPGA Debugging using VIO and ILA**

**Programming**  
**Task/Examples/Testbench**  
**(Simulations/Implementation)**

## **DAY 5**

### **Communication Protocols & Interfacing**

UART, SPI, I2C, AXI4

Examples on FPGA Hardware design with interfacing peripherals using digital communication protocols.


**Micro Blaze Softcore Processor**  
Designing soft-core processor Micro Blaze on ARTY 7 FPGA.

**Project Discussions and Designing**  
Project Design.

Project Implementation.

**Programming**  
**Task/Examples/Testbench**  
**(Simulations/Implementation)**



 **GPS Map Camera**



Pallavolu, Andhra Pradesh, India  
PJGV+JV2, Pallavolu, Andhra Pradesh 516356, India  
Lat 14.725298°  
Long 78.644807°  
10/10/23 09:39 AM GMT +05:30

The overall experience was enthralling and inspiring. We, students of ECE Department, CBIT , Proddatur are thankful to HOD DR.M.Lakshmi Kiran garu, Placement Officer Y.Sreedhar garu and Principal Dr.G.Srinivasulu sir for the workshop on VLSI DESIGN which was conducted with help of cranes varsity member .Mr.Mohsin khan.



## Photos :





Hod

Tpo

Principal



**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 10/10/2023

**Sub: A report on My Story – Motivational Session by Successful Innovator (online mode).**

**Description about the Program:**

Ideation Club conducted a session on My Story – Motivational Session by Successful Startup Founder on 10/10/2023. **Mr. Vishrut Goswami** – Founder & CEO, Aojal Technology startup, has participated as a resource person for the awareness program to the students of Ideation club.

**Brief Description about his Startup:**

There is a growing need for desalination of water. The desalination industry is mostly dominated by Reverse Osmosis (RO), multistage flash distillation (MSF) and other thermal distillation processes which include multi-effect evaporation (MEE) and mechanical vapour compression (MVC).

The current processes are less efficient, hereby there is a need to improve the desalination techniques to cope with the demand. Therefore, we are building an efficient way to improve the existing desalination technique using Membrane filtration technology, Customized membrane properties help manipulate the filtration process exactly as per the situation at hand.

Aojal Technology was mentored by TBI NITC as a Techo start-up. They worked on producing potable water from saline water referred to as Aojal Desalination System.



Fig. 1: Aojal Water Purifier





**INSTITUTION INNOVATION COUNCIL (IIC)**

The team fabricated a hybrid process for water desalination, employing tailored membrane composition and conditions. Aiming to relieve water of the excess salts and microbes, they also designed a packed bed filter containing human friendly tubes which traps harmful microbes. There is a polymer that is used to hold the membrane in place. The polymer offers control over certain other properties like ion content and the metals.

Manipulation of physical states of water can improve the efficiency, which produces potable water economically & effectively.

**Awards Received by Mr. Vishrut Goswami:**

- Funded by IEDC for building up our primary prototype of Aojal Water Purifier, July 2019.
- Selected by IIC-MHRD Innovation cell for National level boot camp and exhibition, held between 9th -11th of Sep 2019 at AICTE Headquarters, Delhi.
- Recognized as Technopreneurs & National MIC Ambassadors by IIC MHRD-AICTE, Funded with 3 lakhs to develop Aojal Desalination System
- Winners of Interface'19 by Tathva'19, one of South Indian's biggest techno-management fest Oct 2019.
- Winner of YIP 2019-22, by KDISC-KSUM, Kerala, Jan 2020 and are amongst top 102 teams in that, Funding, mentoring, and other related supports promised for next three years.
- Mentoring and Incubation in TBI NIT Calicut, Feb 2020, as budding start-up from NITC to develop Aojal Desalination System.

**As IIC – Activity :**

On 10/10/2023, In our college (Chaitanya Bharathi Institute of Technology, Proddatur) IIC activity **“Motivational Session by Successful Innovator - Mr. Vishrut Goswami** – Founder & CEO, Aojal Technology startup” has conducted. The students of Ideation Club members **58 No.s (from ECE, EEE, ME, CE and CSE)** along with **04 faculty members** have attended the program.

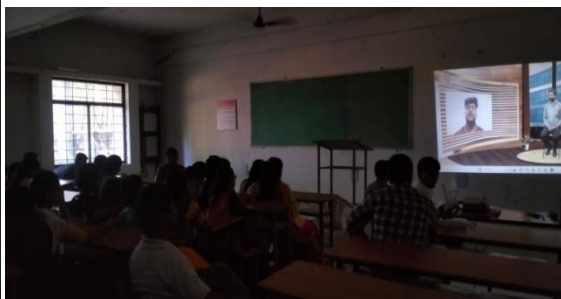


# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



## INSTITUTION INNOVATION COUNCIL (IIC)





**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 11/10/2023**

**Self Driven Activity**  
**‘International Girl Child Day’**

**Date:** 11-10-2023

**Place:** CBIT Seminar Hall.

**Time:** 1:30 PM – 2:30 PM

**Targeted Students:** All Girls students from all Engineering Branches.

**About ‘International Girl Child Day’:**

The International Day of the Girl Child focuses attention on the need to address the challenges girls face and to promote girls’ empowerment and the fulfilment of their human rights.

Adolescent girls have the right to a safe, educated, and healthy life, not only during these critical formative years, but also as they mature into women. If effectively supported during the adolescent years, girls have the potential to change the world – both as the empowered girls of today and as tomorrow’s workers, mothers, entrepreneurs, mentors, household heads, and political leaders. An investment in realising the power of adolescent girls upholds their rights today and promises a more equitable and prosperous future, one in which half of humanity is an equal partner in solving the problems of climate change, political conflict, economic growth, disease prevention, and global sustainability.

Girls are breaking boundaries and barriers posed by stereotypes and exclusion, including those directed at children with disabilities and those living in marginalized communities. As entrepreneurs, innovators and initiators of global movements, girls are creating a world that is relevant for them and future generations.

The 2030 Agenda for Sustainable Development and its 17 Sustainable Development Goals (SDGs) adopted by world leaders in 2015, embody a roadmap for progress that is sustainable and leaves no one behind.





## INSTITUTION INNOVATION COUNCIL (IIC)

Achieving gender equality and women's empowerment is integral to each of the 17 goals. Only by ensuring the rights of women and girls across all the goals will we get to justice and inclusion, economies that work for all, and sustaining our shared environment now and for future generations.

The program was organized by **IIC of the Institute (CBIT)**. Speaking on this occasion, **The Principal and Woman Faculty members** advised girls towards Achieving gender equality and women's empowerment is integral to each of the 17 goals. Only by ensuring the rights of women and girls across all the goals will we get to justice and inclusion, economies that work for all, and sustaining our shared environment now and for future generations. The total number of students attended was **207** and **13** faculty members were present during the program. The entire session held in **CBIT Seminar Hall**, Chaitanya Bharathi Institute of Technology on **11-10-2023**.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)





**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 16/10/2023**

**'Innovation Day' Celebrated by**

**Theme 2023:** "Expanding Horizons"

**Date:** 16-10-2023

**Place:** CBIT Seminar Hall.

**Time:** 10:30 AM – 12:30 PM

**Targeted Students:** III B.Tech CSE & ECE students.

**About 'Innovation Day':**

**'Innovation Day'** is to celebrate the birth anniversary of a visionary scientist, a brilliant educator, and an exceptional leader, **Dr. A.P.J Abdul Kalam**. On this special occasion, we remembered and paid tribute to the **"People's President"** of India, Dr. A. P. J Abdul Kalam life and legacy continue to inspire us in countless ways.

Dr. A.P.J Abdul Kalam was a man of immense knowledge, unwavering dedication, and an undying spirit to serve his country. He was born on **October 15, 1931**, in a small town in Tamil Nadu, and his journey from being a humble paperboy to becoming the **"Missile Man of India"** is a testament to the power of dreams and hard work.

Dr. Kalam's contributions to India's scientific and technological advancements are immeasurable. He played a pivotal role in India's space and missile programs, including the successful launch of India's first satellite, Rohini. He was the driving force behind the development of the Agni and Prithvi missiles, which bolstered India's defense capabilities. His achievements in these fields not only brought India recognition on the global stage but also enhanced our national security.

On this auspicious day, all staff and students paid our heartfelt tributes to the man who became an icon of inspiration, innovation, and integrity. Dr. A.P.J Abdul Kalam's life exemplifies the idea that with unwavering determination, resilience, and the right values, anyone can rise from the humblest beginnings to achieve greatness.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



## INSTITUTION INNOVATION COUNCIL (IIC)

### About the Program:

The program was organized by **IIC of the Institute (CBIT), Entrepreneurship Development Cell and IEEE student Chapter – CBIT**. Speaking on this occasion, **The Principal and IIC convener** shared the contributions of Dr. Kalam to the nation with the participants. Also, the chief guest of the program **Shri. Palem Gurumurthy Reddy**, HOD (Civil) – Govt. Polytechnic College, Proddatur & OSD, Principal, Govt. Polytechnic College, Mydukur, has motivated the students in the field of innovations and stressed that the innovation is key to success of any nation and need to cultivate idea of innovations among the students. The total number of students attended was **215** and **10** faculty members were present during the program. The entire session held in **CBIT Seminar Hall**, Chaitanya Bharathi Institute of Technology on **16-10-2023**.

Also, an **online Quiz – Competition** was conducted on **14-10-2023** for all III B.Tech students, and the **best three prizes** were given to the students during the program.

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INSTITUTION'S INNOVATION COUNCIL  
(Ministry of HRD Initiative)

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY  
-PRODDATUR-

**Innovation Day**  
on  
16-10-2023

  
**Mr. Palem Gurumurthy Reddy**  
HOD (Civil) - Govt. Polytechnic, Proddatur & OSD, Principal, Govt. Polytechnic, Mydukur.

Organized by

CBIT - EDC

INSTITUTION'S INNOVATION COUNCIL  
(Ministry of HRD Initiative)

IEEE

Student Branch  
CBIT, PRODDATUR

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Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)





## DEPARTMENT OF MECHANICAL ENGINEERING

# **Work shop** **On** **IOT & ROBOTICS PROGRAMMING**

*Date: 27<sup>th</sup> OCTOBER 2023*



## **Report** **On** **Workshop**

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## Report

A workshop has been organized by Department of Mechanical Engineering for the IV,III & II years I semester students by the “3D PRINT Technologies”. The Main objective of the workshop is to transfer the knowledge on “IOT & ROBOTIC Programming”. Totally 59 students attended the workshop. The students were accompanied by a faculty member. The workshop on “Two days workshop on “IOT & ROBOTIC Programming” was organized at Chaitanya Bharathi Institute of Technology from 27<sup>th</sup> October 2023 & 28<sup>th</sup> October 2023 .. The workshop is started with the hands of our Head of the Department Dr.M.ukesh Y.B garu and Faculty members.



## Poster:



### **The workshop content is as follows:**

**Day 1:** 9 to 12pm: Introduction to IOT & Programming Arduino IDE software. Analog and Digital functions.

**Day 1:** 1pm to 4pm: Sample programs on Traffic signal systems, Toll gate, customized panels, Application of built in libraries in Arduino IDE.

**Day 2:** 9 to 4pm: Interfacing sensors and actuators. Programming Bluetooth controlled Robots by Serial Port, Direction and speed control of Robot, Obstacle Avoiding Robot. Home Automation by using LID, PIR, BLUETOOTH APPS..

### **Applications of IOT**

The Internet of Things (IoT) refers to the network of physical objects or "things" embedded with sensors, software, and other technologies that enable these objects to connect and exchange data with other systems and devices over the internet. These connected devices can range from simple household appliances and wearable devices to complex industrial machines and smart city infrastructure.

IoT technology allows these devices to collect and exchange data, enabling them to be remotely monitored, controlled, and even optimized. This interconnectivity provides numerous benefits, such as

improved efficiency, enhanced data collection, automation, and the ability to make more informed decisions.

Some common applications of IOT include:

1. **Smart home systems:** IoT devices can control and monitor various aspects of a home, such as lighting, security, and temperature.
2. **Industrial IoT (IIoT):** IoT is extensively used in industries for predictive maintenance, supply chain monitoring, and overall process optimization.
3. **Wearable devices:** These include fitness trackers, smartwatches, and other devices that collect and transmit data about an individual's health and fitness.
4. **Smart cities:** IoT is leveraged to manage and optimize various aspects of urban living, such as transportation, energy usage, and public safety.
5. **Healthcare:** IoT devices can be used for remote patient monitoring, medication management, and improving overall healthcare delivery.

Despite the numerous benefits, IoT also presents challenges related to security, privacy, and the vast amounts of data generated. Security concerns arise due to the potential vulnerabilities in the interconnected devices, which can be exploited by malicious actors. Ensuring data privacy and maintaining the integrity of the data collected by these devices are also critical concerns in the IoT ecosystem.

Overall, the continued development and integration of IoT technologies are expected to play a significant role in shaping various aspects of modern life, from homes and businesses to entire cities and industries.

## Applications of Robotics

Robotic applications have significantly impacted various fields, including manufacturing, healthcare, exploration, entertainment, and more. Here are some key areas where robotics has found extensive application:

1. **Manufacturing and Industrial Automation:** Robotic arms and automated systems are widely used in manufacturing processes, especially in tasks that are repetitive, dangerous, or require high precision. These robots can increase efficiency, reduce errors, and improve overall production rates.
2. **Healthcare:** Robotics has made significant contributions in healthcare, including surgical robots that assist surgeons in performing intricate procedures with greater precision, resulting in reduced invasiveness and faster recovery times. Additionally, robots are being used for tasks such as patient lifting and transportation, as well as in rehabilitation and physical therapy.



3. **Exploration and Research:** Robots are used in various exploration activities, including space exploration, deep-sea exploration, and archaeological research. These robots are equipped with sensors and cameras to collect data and images from environments that are difficult or dangerous for humans to access.
4. **Service and Hospitality:** Service robots are increasingly being used in various hospitality and service industries, including hotels, restaurants, and customer service centers, to assist with tasks such as customer guidance, room service, and information provision. They are also employed in tasks like cleaning and maintenance.
5. **Agriculture:** Agricultural robots, also known as agribots, are used for tasks like planting, harvesting, and monitoring crop health. These robots can help improve efficiency, reduce labor costs, and optimize the use of resources.
6. **Military and Defense:** Robotics is extensively used in the military for tasks such as bomb disposal, reconnaissance, and surveillance. Unmanned aerial vehicles (UAVs) and unmanned ground vehicles (UGVs) are increasingly being used for various military operations.
7. **Education and Entertainment:** Robotics is used in educational settings to teach programming and engineering concepts. In the entertainment industry, robots are employed for various purposes, such as theme park attractions, interactive exhibits, and performances.

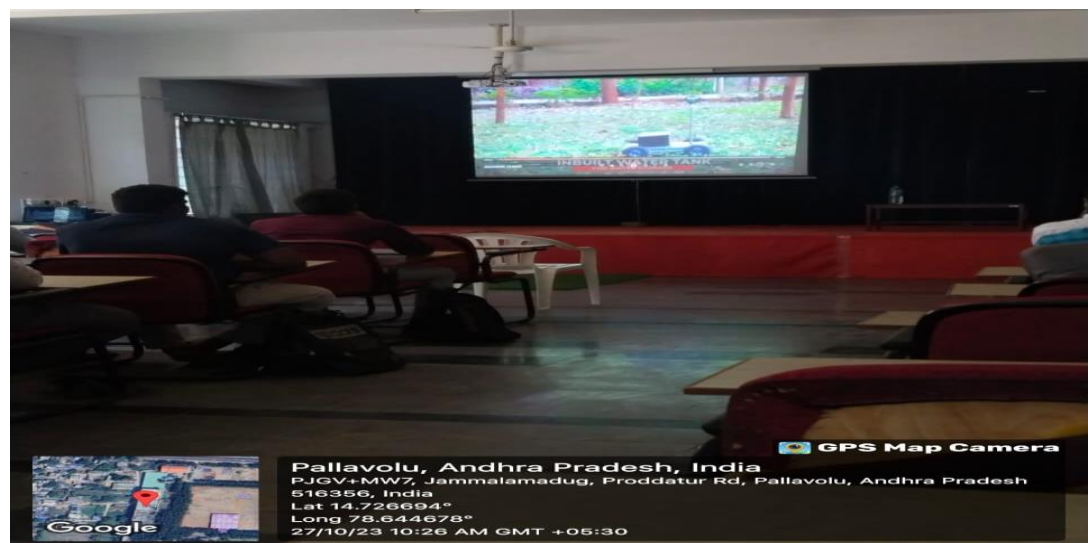
As technology continues to advance, the applications of robotics are expected to expand further, leading to increased automation, efficiency, and improved safety in various industries and everyday life.



The overall experience was and inspiring. We, students of ME Department, CBIT , Proddatur are thankful to Principal Dr.G.Srinivasula Reddy garu, HOD Dr.Mukesh Y.B garu and and Placement Officer Y.Sreedhar garu for the workshop on IOT & ROBOTIC Programming which was conducted with help of “PRINT 3D Technologies,Tirupati” member Dr.B.K.C Ganesh garu.

## **Photos :**











**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 30/10/2023

**Sub: A report on “Internal Hackathon” of Ideas - nominating teams for SIH-2023 – Chaitanya Bharathi Institute of Technology, Proddatur.**

**Description about the Program:**

Chaitanya Bharathi Institute of Technology's IIC conducted an Internal Hackathon on the ideas by the student to all years of B.Tech, CBIT, Proddatur. The event “The Internal Hackathon” of Chaitanya Bharathi Institute of Technology, Proddatur was organized on 30th October, 2023. The program began with the introduction of jury members –

S.No.	Name of the Jury	Designation	E-mail ID
1	Dr.Shaik Aslam	Associate Professor, Department of EEE. CBIT	draslamshaik@cbit.edu.in
2	Dr. P. Naresh	Associate Professor, Department of ME. CBIT	pnaresh.mech@cbit.edu.in
3	Dr. H. Suresh Babu Rao	Associate Professor, Department of ME. CBIT	sureshbabu.mech@cbit.edu.in

Also, the single point of contact (SPOC) for Smart India Hackathon-2023 **Mr. G. Manoj Kumar**, Assistant Professor, Department of EEE. They explained the selection criteria/Judging Process to the teams. The program continued with the presentation of all teams. Each team was given 15 minutes for each problem statement. The presentation was divided into 3 parts,

- Team introduction
- Problem statement and solution explanation
- Counters and suggestions by the jury members.

The teams were energetic and enthusiastic for the hackathon they came up with innovative and interesting solutions for the problem statements. The presentation of some teams showed the research and time they spent on the solutions. The Nominated letters were distributed to the selected teams during the session.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



## INSTITUTION INNOVATION COUNCIL (IIC)

The Nominated Top Teams are:

1. Team “Electric SC Agni vipath Raksha”
2. Team “ResQ Beacon”
3. Team “Edu Wave Explorers”
4. Team “Path Pioneer Proddatur”
5. Team “Garuda Medical Marvels”
6. Team “Taranga Naisargika Urja”
7. Team “Tech Trolleys–Crusaders”
8. Team “Beyond Tech”
9. Team “Team Jaiv Eendhan”

This model works best in scenarios where not all the project requirements are known in detail ahead of time. It is an iterative, trial-and-error process that takes place between the developers and the users.

### As IIC – Activity :

On **30/10/2023**, In our college (Chaitanya Bharathi Institute of Technology, Proddatur) IIC activity “**Internal Hackathon**” of ideas has conducted successfully. The students participated in this event are 90 No.s from all branches of Engineering along with 03 faculty members as Jury have attended the program.



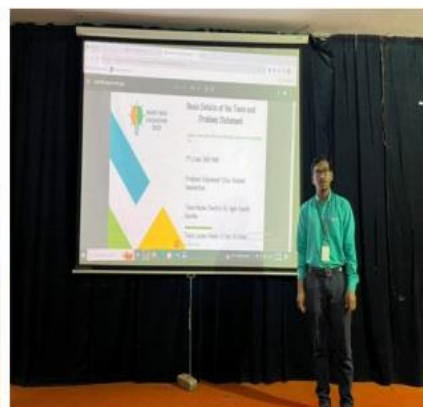


# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)



Date: 03/11/2023

## WORKSHOP

**Event :** Two days workshop on “Financial Education for Young Citizen” by

Dr. K. Prabhakaran conducted on 2<sup>nd</sup> & 3<sup>rd</sup> Nov 2023

**Participants :** Ist & II MBA Students

**Venue :** Seminar Hall

The banner is for a two-day workshop organized by the Department of MBA at Chaitanya Bharathi Institute of Technology. It is sponsored by NISM and Kotak Securities. The resource person is Dr. K. Prabhakaran, SEBI & NISM Trainer. The event is held on November 2<sup>nd</sup> & 3<sup>rd</sup> 2023 at the Seminar Hall. The banner lists the Chief Patron (Dr. V. Jayachandra Reddy), Patron (Prof. G.D.K. Prasanna Venkatesan and Dr. G. Sreenivasula Reddy), and Convener (Dr. R. Uma Devi). It also features logos for NISM, Kotak, and CBIT-EDC, along with contact information.

**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**  
Department of MBA  
Organizes  
NISM and KOTAK SECURITIES jointly sponsored a  
Two Day Workshop  
on  
“Financial Education for Young Citizen”  
**RESOURCE PERSON**  
**Dr. K. PRABHAKARAN**  
SEBI & NISM TRAINER  
**DATE**  
November, 2<sup>nd</sup> & 3<sup>rd</sup> - 2023  
**VENUE**  
SEMINAR HALL  
**Chief Patron**  
Dr. V. Jayachandra Reddy  
Chairman  
**Mr. V. Lohit Reddy**  
Director, Bharathi Educational Society  
**Patron**  
Prof. G.D.K. Prasanna Venkatesan  
Director (R&D and Academic)  
Dr. G. Sreenivasula Reddy  
Principal  
**CONVENOR**  
Dr. R. Uma Devi  
HOD, MBA  
**NISM**  
National Institute of Securities Markets  
**KOTAK**  
KOTAK SECURITIES  
CBIT - EDC  
website: www.cbit.edu.in Mail id: cbitpdtr@gmail.com Cell: 9640606099



The Main Motto about this Programme is for the primary reasons why financial literacy is education is that it provides students with a solid understanding of personal finance. From Budgeting and Saving to managing debt and understanding credit, these concepts from the building blocks of financial well-being .



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



CBIT - EDC



The Dr. K. Prabhakaran Was the chief guest and Conducted Two days workshop on “Financial Education for Young Citizen” by Dr.k.Prabhakaran conducted on Nov 2 & 3. Moreover, Financial Literacy is important because it helps individuals participate actively in the economy, encouraging investment and entrepreneurship. Financially literate individuals are more likely to create new business and jobs, generate wealth themselves and others, and contribute to economic prosperity.



The Students got many information from Dr.K.Prabhakaran regarding Financial Education regarding Young Citizen and provide students practical experience that will eventually help them solve problems in the future and become more responsible for their financial decisions. Budgeting helps one understand how much money is coming and how much is going out. Thus concluded the session with a vote of thanks by Dr. G.Sreenivasula Reddy, Principal, and Principal Sir Presented a gift to chief guest.

The total number of students attended was **210** and **35** faculty members were present during the program. The entire session held in Seminar Hall, Chaitanya Bharathi Institute of Technology on 02-11-2023 & 03-11-20.





**DEPARTMENT OF CIVIL ENGINEERING**

**GUEST LECTURE**

**On**

**Construction by Concrete 3D Printing:**

**Possibilities and Challenges**

*Date: 10<sup>th</sup> NOVEMBER 2023*



# **CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**

**(AUTONOMOUS)**

**DEPARTMENT OF CIVIL ENGINEERING**


## **GUEST LECTURE REPORT**

Guest Lecture was conducted by the department of CIVIL, CBIT College, Proddatur on 10.11.2023 from 10.00 am to 03.30 pm. The chief guest Dr. A. V. Rahul, working as Assistant Professor in the Department of Civil and Environmental Engineering at IIT Tirupathi, has taken a lecture on topic “Construction by Concrete 3D Printing: Possibilities and Challenges” for final year, third year and second year students in Training Room. He did his PhD from IIT Madras on the mixture development of concrete mixtures for extrusion-based 3D printing. Before joining IIT Tirupati, he was a postdoctoral researcher at Magnel-Vandepitte Laboratory for Concrete Research, Gent University, Belgium. At Ghent University, he was involved in the 3D2BGreen project, which focused on the construction of breakwater units in Dubai and Belgium ports using concrete 3D printing technology. His primary research areas include concrete 3D printing, rheology of cement-based materials, cement hydration, and thermodynamics-based constitutive modelling. He has over 20 publications in reputed international journals. Dr. A. V. Rahul is also a member of the newly formed BIS committee, CED 32, which is working on formulating recommendations for construction by concrete 3D printing. Total of around 60 students and staff participated in this programme.


The speaker explains the Basics of 3D Concrete Printing, Materials requirement for 3D Printing, Comparison with conventional 3D Printing, Reinforcement Details, Possibilities, and Challenges in material selection and Design. After his lecture the students were given time to interact with him. Students felt that the session was more informative and interactive. At the end of the guest lecture, students gave their feedback, and explained how they were benefited.

## Photo Gallery of Guest lecture

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**INSTITUTION'S**  
**INNOVATION**  
**COUNCIL**  
(Ministry of HRD Initiatives)

**GUEST LECTURE**  
on  
**Construction by Concrete 3D Printing: Possibilities and Challenges**



**Dr. A. V. Rahul**  
Assistant Professor, Department of Civil and Environmental Engineering,  
IIT Tirupati.

**Date: 10-November-2023**

**Organized by**  
**Department of Civil Engineering**

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## Banner for Guest Lecture

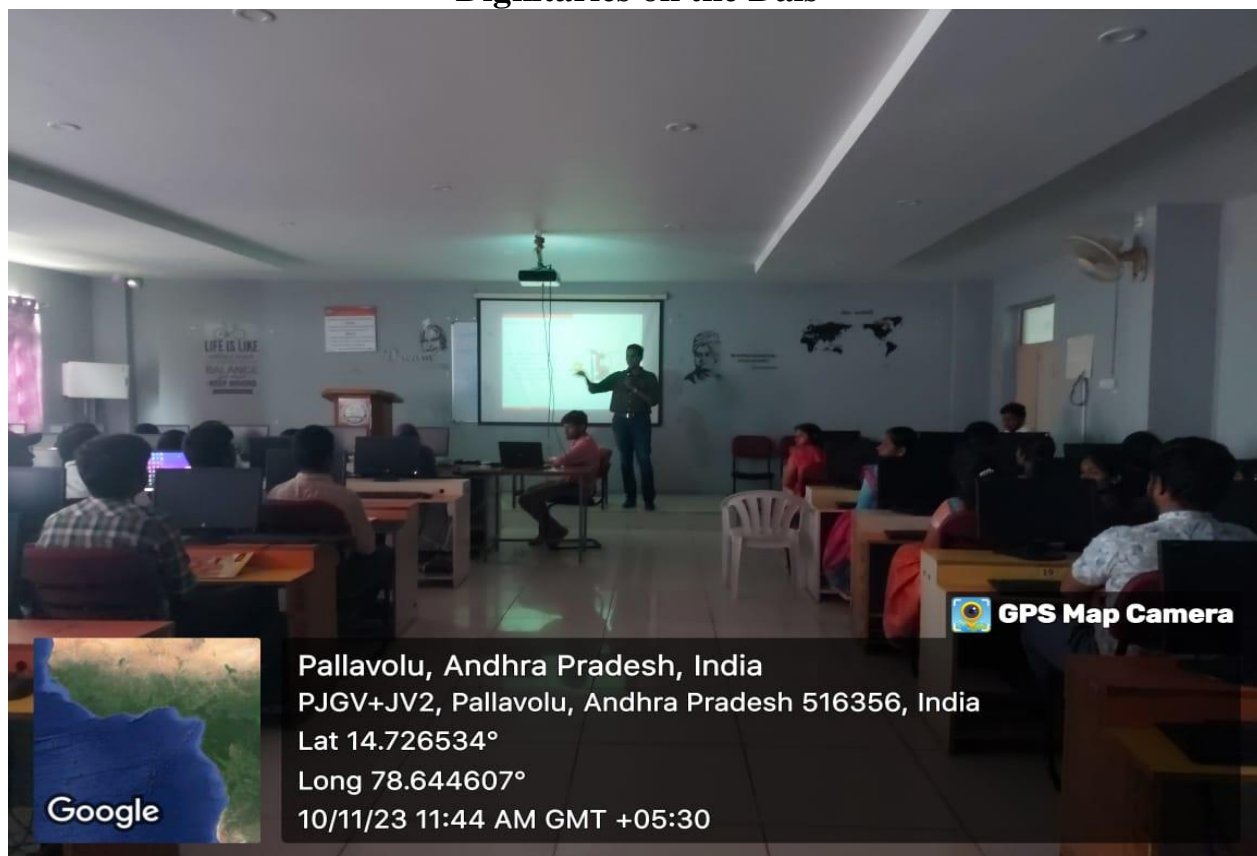


**Inviting the Guest on to the Dais with the flower bouquet**

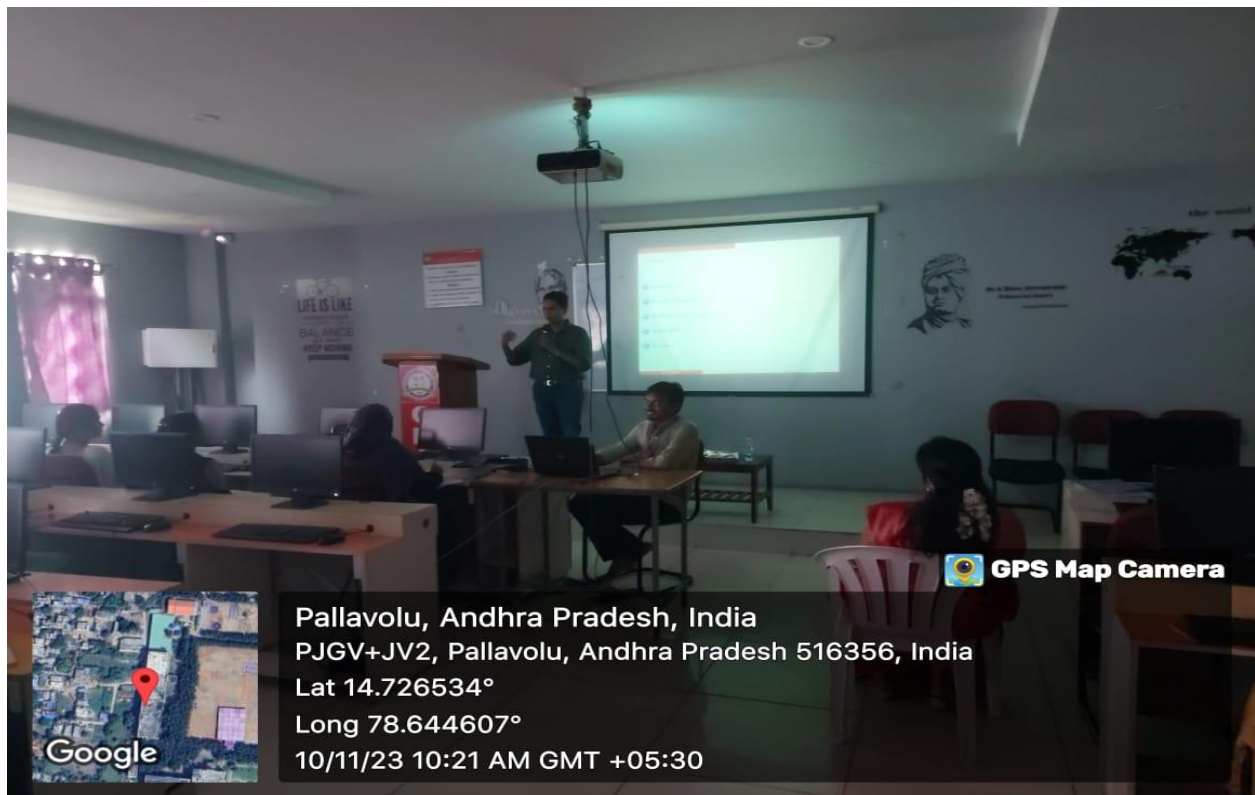




**Dignitaries on the Dais**



**Chief Guest Dr. A. V. Rahul Started the session with a nice Presentation**

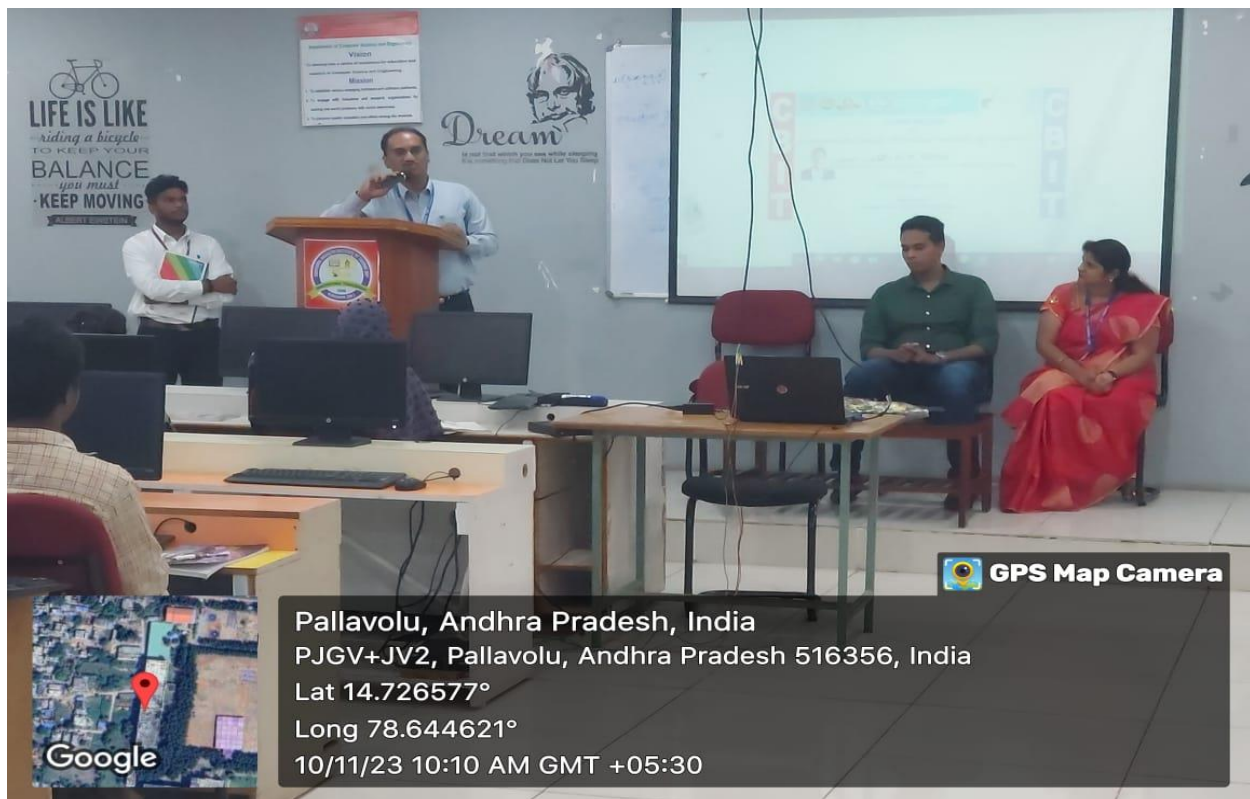


**Chief Guest Dr. A. V. Rahul explaining the topic to the students**



**Students attended for the guest lecture**



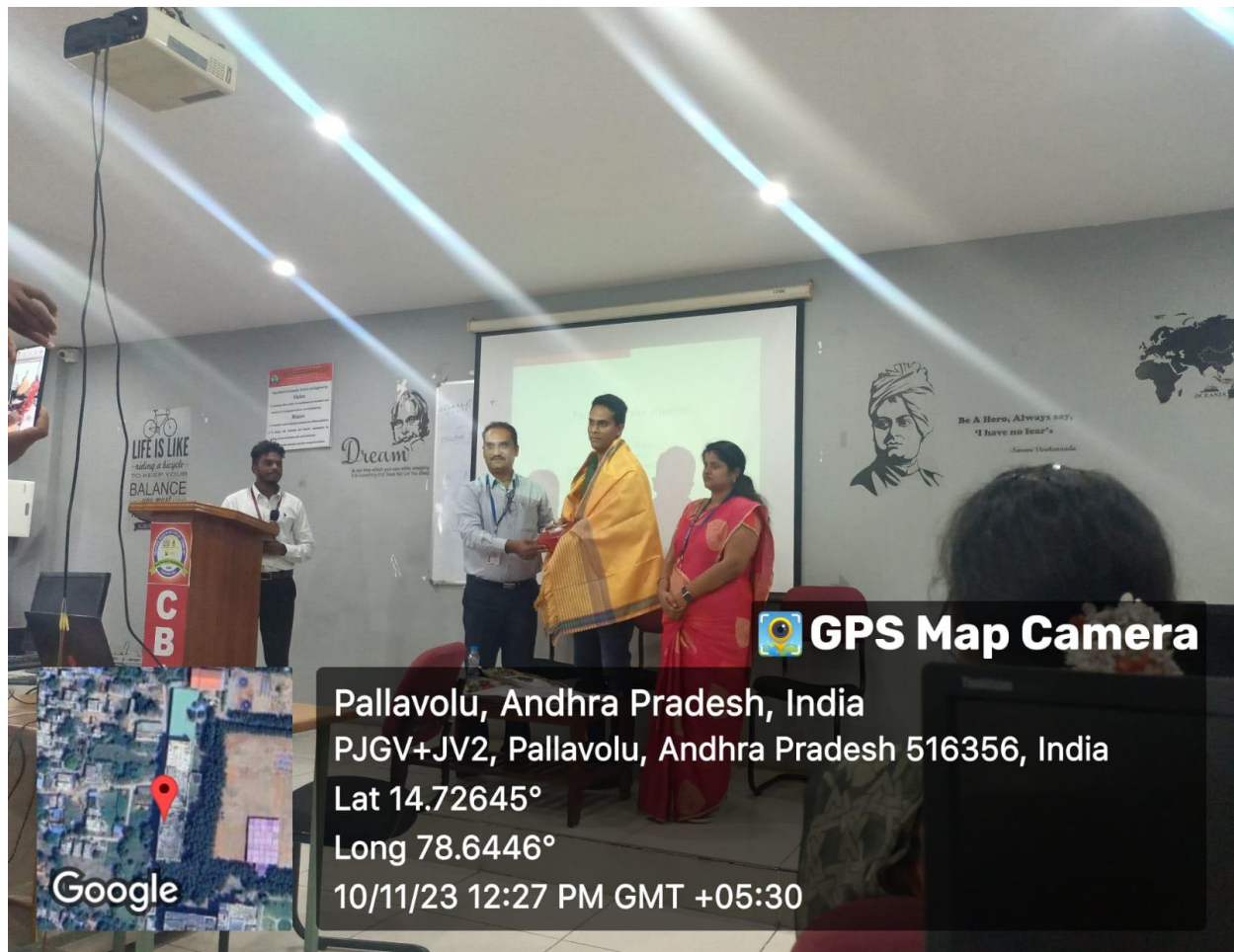


**Principal sir sharing his valuable words about the session**



**HOD of Civil sharing her experience about the session**





**Felicitation done by the Principal and HOD of Civil for the Chief Guest**



**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 11/11/2023**

**'National Education Day' Celebrated by CBIT Students**

**Theme 2023:** "Embracing Innovations"

**Date:** 11-11-2023

**Place:** CBIT Seminar Hall.

**Time:** 11:30 AM – 1:30 PM

**Targeted Students:** III B.Tech CSE, ECE, EEE students.

**About 'National Education Day':**

**'National Education Day'** is to celebrate the birth anniversary of a brilliant educator, and an exceptional leader, **Maulana Abul Kalam Azad**.

National Education Day is celebrated on 11th November. It is a day dedicated to celebrating the power of knowledge and learning, has a rich history and profound significance in our society. Education serves as the bedrock for individual growth, societal advancement, and national development.

On National Education Day 2023 celebrations includes discussing the history of this special day, its significance, the chosen theme for this year, and how to celebrate it. Join us on a journey to delve into the profound impact of education as we commemorate this special occasion, National Education Day, which promotes knowledge, awareness, and the pursuit of learning.

National Education Day in India holds a unique and profound significance, reflecting the nation's commitment to education and its potential for transformation. Here, we outline the key reasons why celebrating National Education Day in India is of utmost importance, emphasizing its role in the country's educational and societal landscape.

**1. Honoring Maulana Abul Kalam Azad's Legacy:**

National Education Day in India serves as a tribute to Maulana Abul Kalam Azad, an iconic leader who played an instrumental role in shaping the nation's education system. His vision,



**INSTITUTION INNOVATION COUNCIL (IIC)**

dedication, and tireless efforts are celebrated, inspiring the nation to carry forward his educational legacy.

**2. Advocating Universal Access to Education:**

Celebrating National Education Day in India reinforces the nation's commitment to providing education to all, emphasizing the importance of equitable, inclusive, and high-quality educational opportunities. This celebration serves as a reminder of the government's obligation to eliminate educational disparities and ensure that every child has access to education.

**3. Promoting a Knowledge-Based Society:**

In India, the celebration of National Education Day highlights the pivotal role of education in fostering a knowledge-based society. Knowledge and innovation are instrumental to the nation's overall development. This observance encourages investment in education, research, and innovation as vital contributors to India's economic and social progress.

**4. Empowering Individuals for a Brighter Future:**

Education empowers individuals, equipping them with skills and knowledge for personal development and self-reliance. National Education Day in India emphasizes the transformative power of education in creating a brighter future for its citizens.

**5. Preserving Cultural Heritage and National Identity:**

Education is not just about academics but also about instilling values and preserving cultural heritage. In India, this day underscores the role of education in nurturing a sense of national identity and promoting cultural diversity.





**INSTITUTION INNOVATION COUNCIL (IIC)**

**6. Lifelong Learning in India:**

National Education Day in India encourages lifelong learning, emphasizing that education is an ongoing journey. People of all ages are encouraged to continue seeking knowledge, adapting to change, and fostering a culture of continuous learning.

**7. Addressing Educational Challenges in India:**

This observance provides a platform to highlight the educational challenges in India, including issues related to access, quality, and relevance. It encourages dialogue and action to improve the educational system in the country.

**8. Aligning with Global Educational Goals:**

Celebrating National Education Day in India aligns with global initiatives, such as the United Nations Sustainable Development Goals, particularly Goal 4, which focuses on ensuring inclusive and equitable quality education.

National Education Day in India is more than a commemoration; it is a rallying point for advancing education, ensuring equal opportunities, and building a brighter future for the nation's citizens. It underscores the pivotal role of education in India's growth and development.

**About the Program:**

The program was organized by **IIC of the Institute (CBIT)**,. Speaking on this occasion, **The Principal and IIC convener** shared the contributions of **Dr. Maulana Abul Kalam Azad** to the nation with the participants. The total number of students attended was **212** and **10** faculty members were present during the program. The entire session held in **CBIT Seminar Hall**, Chaitanya Bharathi Institute of Technology on **11-11-2023**.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 17/11/2023**

**Sub: A report on Problem Solving & Ideation Workshop.**

**IIC Activity**

**PROBLEM SOLVING AND IDEATION WORKSHOP**

**Date:** 17-11-2023

**Place:** Seminar Hall, CBIT

**Time:** 03:00 PM to 5:00 PM

**Resource Person:** Dr. H. Suresh Babu Rao,  
Innovation Ambassador,  
Assoc. Professor, CBIT, Proddatur,  
Kadapa Dist., A.P., India.

**Targeted Students:** Members of Ideation Club (B. Tech students of all branches)

A Half Day Seminar on “Problem Solving and Ideation Workshop”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 17<sup>th</sup> November, 2023. The Programme aims to provide opportunities to Undergraduate Students of Students Innovation Club to augment Knowledge & skills in key areas involved in Problem Solving and Ideation process.

The Expert Speaker Dr. H. Suresh Babu Rao, Innovation Ambassador, IIC, shared his knowledge & experience on the multiple aspects and the many steps involved in problem solving and ideation process. He further elaborated on Good idea Vs Bad idea and Best Student Entrepreneurship Practices that can be adopted to enhance the student’s abilities in solving critical problems.

Speaker highlighted on Ideation is the third step in the design-thinking process, which is a user-focused method of solving problems. In his seminar, 10 steps, of an effective ideation like Brain storming, Worst idea, Story boarding, Mind mapping, Brain writing, Questioning assumption, Sketching, Analogies, SCAMPER and Body storm, to create a structured process in which a facilitator can guide participants through exercises to come up with ideas for the situation they want to solve or the product they want to develop. People often use ideation



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## INSTITUTION INNOVATION COUNCIL (IIC)


techniques to create a list of as many solutions as possible, which they can then narrow to the most viable options.

The total number of students attended was **207** and **08** faculty members were present during the program. The entire session held in Seminar Hall, Chaitanya Bharathi Institute of Technology on 17-11-2023.

**Institution's  
Innovation Council**  
(Ministry of Education Initiative)

**Chaitanya Bharathi Institute of Technology**  
(Autonomous)  
NAAC, NBA (CSE, ECE, EEE, CE)

## Seminar on "Problem Solving and Ideation Workshop"



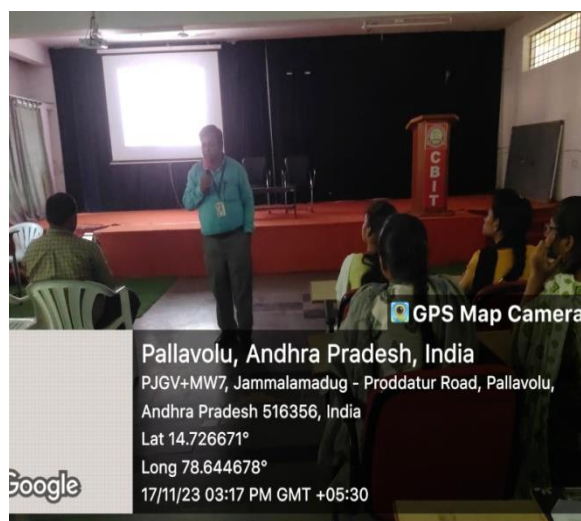
### Resource Person:

### **Dr. H. Suresh Babu Rao**

**Associate Professor, CBIT, Proddatur**

Date & Time: 17/11/2023 At 3:00 PM

Venue: CBIT Seminar Hall





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 09/11/2023**

**'National Entrepreneurship Day-2023'**

Theme 2023: **"Bring Your Idea to Life."**

**Date:** 09-11-2023

**Place:** CBIT Seminar Hall.

**Time:** 11:00 AM

**Targeted Students:** II & III B. Tech students

**About National Entrepreneurship Day-2023**

- At its core, Entrepreneurs' Day is a day dedicated to recognise the risk-takers and trailblazers who transform ideas into reality, propelling economies forward and creating jobs.
- Entrepreneurship's importance lies in the following: Drives economic growth and creates new job. Encourages innovation by bringing new ideas, products, and services to the market. Contributes to social change by developing products or services that reduce people's dependence on outdated technologies.
- Early entrepreneurs in India were Dwarkanath Tagore, Jamsetjee Nusserwanjee Tata and Seth Hukumchand. The industries in India were established in the 19th century by businessmen who earned fortunes through trading activity. 1) Dwarkanath Tagore: He belonged to Bengal.
- Entrepreneurship is frequently credited as a major driver of economic growth, spurring transformation, the creation of new markets, innovation, and building wealth. Entrepreneurs are often key to developing ideas and solutions to problems while creating new products.
- Entrepreneurship is the pursuit of starting, managing, and scaling a business. It involves combining innovation, skills, and vision to develop new products, services, or ideas that meet market demand and create value for a target audience.
- Entrepreneurship education is about teaching students how to think like an entrepreneur so that they can take the skills and knowledge gained in school or college and apply



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## INSTITUTION INNOVATION COUNCIL (IIC)

them to real-world challenges. Entrepreneurship education is not just about learning how to start a business.

### About the Program:

On **09/11/2023**, The total number of students attended was **154** and **04** faculty members were present during the program. The entire session held in CBIT Seminar Hall, Chaitanya Bharathi Institute of Technology. The Principal, Dr. G. Sreenivasula Reddy and IIC Council member, HOD MBA, Dr. R. Uma Devi spoken about growth of start-ups in our country and highlighted its importance of Entrepreneurs to our country.

**C**  
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**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**  
-PRODDATUR-

**NATIONAL ENTREPRENEURSHIP DAY**  
9th November 2023

Theme 2023: "Bring Your Idea to Life."

**Organized by**  
Date: 09-11-2023  
Place: CBIT Seminar Hall.  
Time: 11:00 AM

**Student Branch**  
CBIT, PRODDATUR

**C**  
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# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### PROJECT EXPO

*Date: 22 NOV 2023*



Report

On

PROJECT EXPO

## Report

A PROJECT EXPO has been organized by Department of Electronics and Communication Engineering for the ECE students on 27<sup>nd</sup> Nov 2023. The Main objective of the expo is to encourage students to do innovative projects and transfer the knowledge about project to the other students. Totally 24-batches of III ECE students exhibited their projects in PROJECT EXPO.



## **Project Exhibition:**

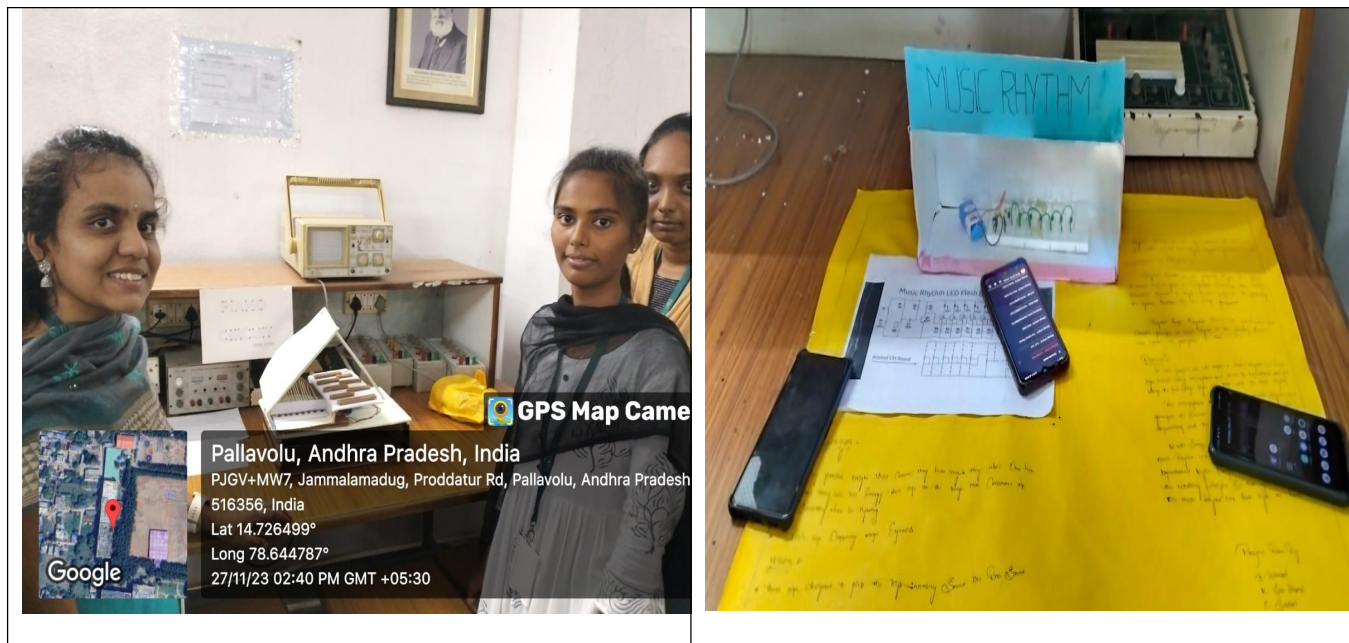
Date and Time: 22<sup>nd</sup> Nov 2023, 1:00 PM to 4:00 PM

Venue: EDC Lab.

Curiosity is the basis of any discovery. It is one of those things which is infinite, the other being the universe. To provide students the right platform in order to turn their curiosity into geniuses, ECE Department organized "Project Expo" for the ECE on 22<sup>nd</sup> Nov 2023. The Honorable Chairman Sir, Principal of college, Dr .G. Sreenivasulu Reddy and HoD of ECE, Dr.M.Lakshmi Kiran, graced the event with their presence. Other HODs, Officers and faculty attended this and given their constructive feedback to the students.


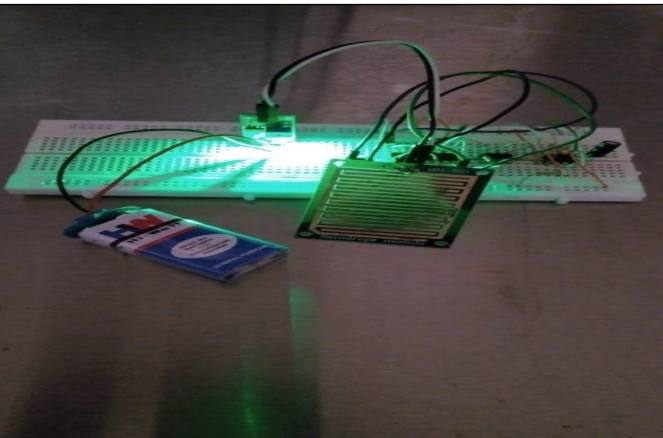

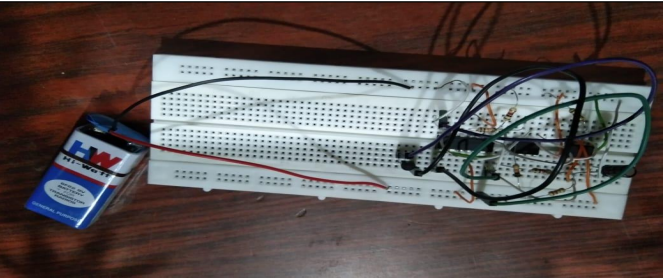









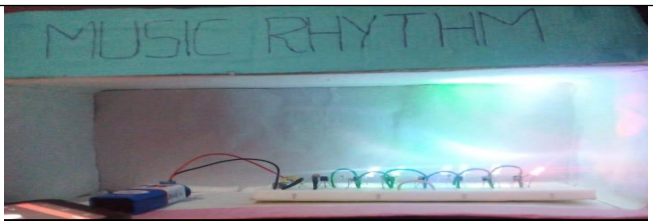
The participated project batches in this Project Expo and their projects given below.

Batch No.	Project Title	Project Associates	Photo
1	Home LASER Security Alarm Using IC555	212P1A0458 212P1A0454 212P1A0452 212P1A0424 212P1A0412 212P1A0423	

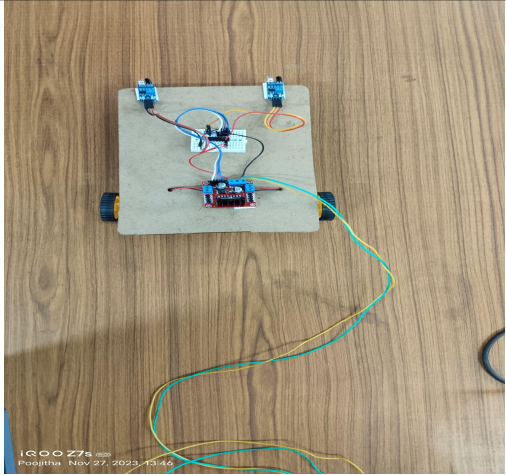
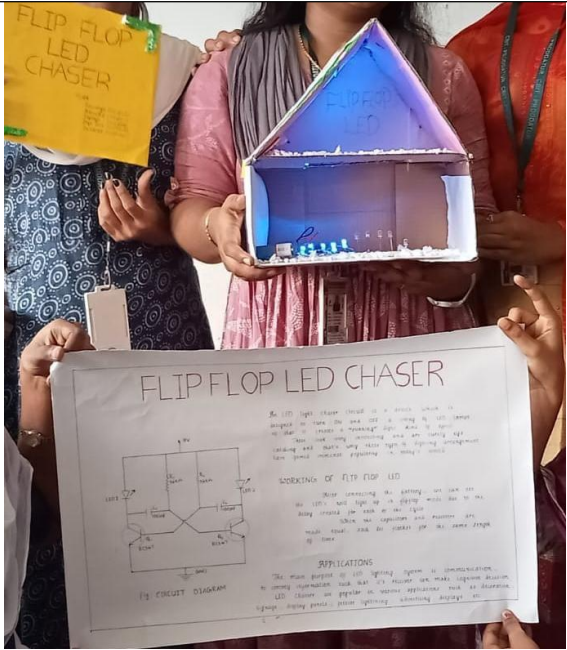

2	Operation Vinayaka	212P1A0407 212P1A0416 212P1A0470 212P1A0440 212P1A0464 212P1A0457	
3	Rain Sensing To Protect Harvested Crop	212P1A0411 212P1A0406 212P1A0417 212P1A0431 212P1A0439 212P1A0471	
4	Night Stick	212P1A0420 212P1A0428 212P1A0429 212P1A0434 212P1A0461 212P1A0468	
5	Power Bank	212P1A0403 212P1A0438 212P1A0433 212P1A0419	

6	Police Siren Circuit Using IC555	212P1A0449 212P1A0402 212P1A0455 212P1A0418 212P1A0460	
7	Laser Sound And Flash Light Using IC555 Timer	212P1A0445 212P1A0421 212P1A0435 212P1A0441	
8	Fastest Finger First	212P1A0405 212P1A0409 212P1A0437 212P1A0450	
9	Piano Using IC555	212P1A0408 212P1A0413 212P1A0443 212P1A0446 212P1A0448	

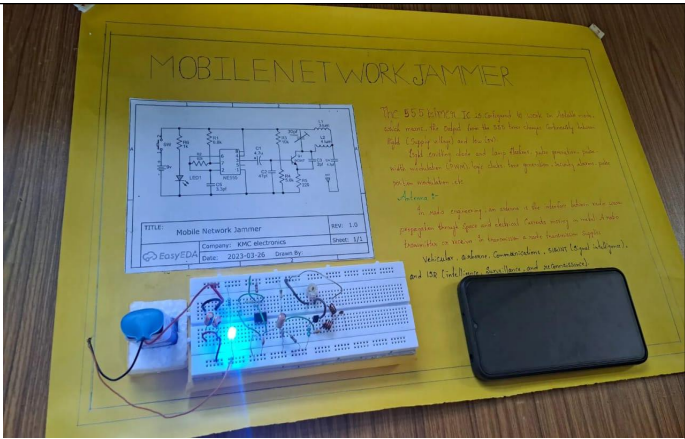




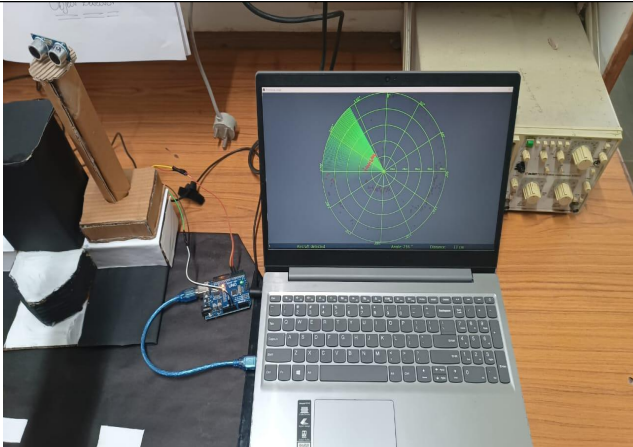
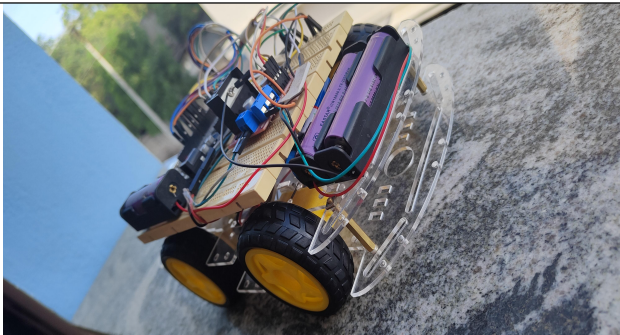
10	Magnetic Coil Energy Generator With Dc Motor	212P1A0463 212P1A0462 212P1A0465 212P1A0466 212P1A0467 212P1A0469	
11	Led Charger Using 555 And 4017/Dancing LED	212P1A0444 212P1A0451 212P1A0432 212P1A0430 212P1A0447  212P1A0472	
12	Automatic Solar Tracker	212P1A0401 212P1A0404  212P1A0459	
13	Music Rhym Using LED/Water Level Indicator	212P1A0442 212P1A0414  212P1A0436 212P1A0456	

14	Mobile Detector	212P1A0427 212P1A0425 212P1A0426 212P1A0415	
15	Smart Glasses For Blind	212P1A0475 212P1A0493 212P1A0499 212P1A04A6 222P5A0401 212P1A04A5	
16	Automatic Street Light	222P5A0410 222P5A0412 222P5A0407 222P5A0408 222P5A0409 222P5A0415	

17	Automatic Obstacle Avoiding Vehicle	212P1A0476 212P1A0479 212P1A04A9 212P1A04B2 222P5A0404 212P1A04B3	
18	Flip Flop LED Chaser Circuit	212P1A0474 212P1A0477 212P1A0490 222P5A0417 222P5A0498	
19	Traffic Light	222P5A0406 222P5A0411 222P5A0421 222P5A0423	



20	Mobile Network Jammer	<p>212PA0482</p> <p>212PA0484</p> <p>212PA0485</p> <p>212PA0489</p> <p>212PA0494</p>	
21	Non - Contact Voltage Tester	<p>222P5A0414</p> <p>222P5A0418</p> <p>212P1A04A7</p> <p>222P5A0402</p>	
22	Wireless Fire Alarm	<p>222P5A0405</p> <p>212P1A0487</p> <p>222P5A0416</p> <p>212P1A0486</p> <p>222P5A0425</p>	

23	RADAR	222P5A0420 222P5A024 222P5A0403 222P5A0422 222P5A0413	
24	Gesture Control Car	212P1A04A1 212P1A0492 212P1A0495 212P1A04A4 212P1A04A2 212P1A0478	

First Diploma (ECE), Second Diploma (ECE), I.B.Tech (ECE), II B.Tech (ECE) students were attended this and shared their experiences. Other department HoDs, Officers and faculty & students attended and provided their valuable inputs to project exhibitors.

Prizes distributed to the three best projects which are evaluated by team. Principal, Ideation Club coordinator and ECE faculty members involved in distribution prizes to the best teams. Principal motivated the students to take these projects forwarded to the next level and hinted them to apply for seed fund which is provided by the college.

The photos of Prize distribution are shown below.











# PRINT3D



**DEPARTMENT OF MECHANICAL ENGINEERING**

**Work shop**  
**On**  
**3DPRINTING & DRONE TECHNOLOGIES**

*From 29-11-2023 to 2-12-2023.*



**Report**  
**On**  
**Workshop**

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## Report:

A workshop has been organized by Department of Mechanical Engineering for the IV,III & II years I semester students by the “3D PRINT Technologies”. The Main objective of the workshop is to transfer the knowledge on “3D Printing & Drone Technologies”. Totally 59 students attended the workshop. The students were accompanied by a faculty member. The Four days workshop on “3D Printing & Drone Technologies” was organized at Chaitanya Bharathi Institute of Technology from 29<sup>th</sup> November 2023 to 2<sup>nd</sup> December 2023 . The workshop is started with the hands of our Principal Dr.G Srinivasula Reddy garu, Head of the Department Dr.M.ukesh Y.B garu and Faculty members.



## Poster:

The poster is framed by a large 'CBIT' logo on the left (red background) and right (blue background). The top banner features accreditation logos (UGC Autonomous, NBA, NAAC A), the institute's name 'CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY -PRODDATUR-' with the tagline 'Innovating Tomorrow', and the 'INSTITUTION'S INNOVATION COUNCIL' logo. The central text reads: 'WORKSHOP on 3D Printing and Drone Technologies From 29-11-2023 to 02-12-2023 by Dr. B. K. C. Ganesh Print3D Technologies, Tirupati'. Below this, it states 'Organized by: Department of Mechanical Engineering & Placement Cell'. The bottom section, 'in Association with:', includes logos for 'PRINT3D Tirupati', 'IEEE', and the 'Student Branch CBIT, PRODDATUR'.

**CBIT**

UGC AUTONOMOUS NBA NAAC A CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY -PRODDATUR- Innovating Tomorrow INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

**WORKSHOP**  
on  
**3D Printing and Drone Technologies**  
From 29-11-2023 to 02-12-2023  
by  
**Dr. B. K. C. Ganesh**  
Print3D Technologies, Tirupati

Organized by: Department of Mechanical Engineering & Placement Cell

in Association with: **PRINT3D** Tirupati IEEE Student Branch CBIT, PRODDATUR

**CBIT**

### The workshop content is as follows:

**Day 1 :** Introduction to 3D Printing. keychain, Penstands, Manufacturing. User interface of 3ds Max software: 2d to 3d conversion ,Application of glass lathe ,extrude, cloth modifiers.

**Day 2:** Download models from Thingiverse & My mini factory. Slicing software Programming for optimal product manufacturing. Development of custom products like Gears, Bolts and Nuts, Towers

**Day 3:** Animation by 3ds Max. 3D Models editing and animation. 3D scanning and Reengineering.

**Day 4:** Introduction to flight control and Aerodynamics. Drone components and construction. Regulations for Drone operations. Live Practice on Drone operation. ChatGpt and AI solutions for IOT ROBOTICS 3D PRINTING and Drone technology.

## **Applications of 3D Printing:**

Some common applications 3D Printing include:

### **Healthcare:**

**Prosthetics and Orthotics:** Customized prosthetic limbs and orthotic devices can be designed and produced based on individual patient needs.

**Surgical Planning and Training:** 3D models of organs or body parts help in pre-operative planning and simulation for complex surgeries. Surgeons can practice on these models, enhancing their skills and precision.

**Bioprinting:** Involves creating living tissues and organs using 3D printers. This field holds promise for tissue engineering, drug testing, and potentially organ transplants in the future.

### **Aerospace and Automotive:**

**Prototyping:** Rapid prototyping of parts and components for testing and evaluation in aerospace and automotive industries.

**Customized Parts:** Manufacturing of lightweight and complex parts that are otherwise difficult or expensive to produce using traditional methods.

### **Architecture and Construction:**

**Modeling and Prototyping:** Architects use 3D printing to create intricate models of buildings or structures for visualization and presentation purposes.

**On-Site Construction:** Some projects experiment with 3D printing entire structures or elements of buildings, potentially reducing construction time and material waste.

### **Education:**

**STEM Learning:** 3D printing is used in educational settings to teach students about design, engineering, and manufacturing processes.

**Prototyping for Projects:** Students can bring their ideas to life by creating prototypes using 3D printers, enhancing their learning experience.



## **Consumer Goods:**

**Customization:** Personalized consumer products such as jewelry, fashion accessories, phone cases, etc., can be easily made through 3D printing.

**Home Appliances:** Some small household items and tools are manufactured using 3D printing techniques.

## **Entertainment and Art:**

**Props and Set Design:** Movie studios and theaters utilize 3D printing to create intricate props and set pieces for films, plays, and exhibitions.

**Artistic Creations:** Artists use 3D printing as a medium for creating unique sculptures and artwork.

## **Industrial Manufacturing:**

**Tooling and Fixtures:** Creating custom tools, jigs, and fixtures used in manufacturing processes.

**Mass Customization:** Some companies explore 3D printing for producing customized products at scale without incurring high additional costs.

These applications demonstrate the wide-ranging potential of 3D printing technology, and its continued advancements are likely to expand its usage across even more industries in the future.

## **Applications of Drones:**

Drone technology has evolved significantly and is utilized across numerous sectors due to its versatility, maneuverability, and accessibility. Here are some of its prominent applications:

### **Aerial Photography and Videography:**

**Film and Entertainment:** Drones equipped with high-resolution cameras capture breathtaking aerial shots for movies, documentaries, and commercials.

Real Estate and Tourism: Used to showcase properties, landscapes, and tourist destinations from unique aerial perspectives, aiding in marketing and promotion.

### **Agriculture:**

Crop Monitoring: Drones equipped with sensors and cameras assist in assessing crop health, detecting diseases, and optimizing irrigation and pesticide use.

Precision Agriculture: Enables targeted and efficient application of fertilizers and pesticides based on data collected from drone surveys.

### **Emergency Services and Public Safety:**

Search and Rescue: Drones equipped with thermal imaging and high-resolution cameras aid in locating missing persons or assessing disaster areas.

Surveillance and Law Enforcement: Used for monitoring crowds, traffic control, and enhancing overall public safety.

Infrastructure Inspection:

**Utility and Pipeline Inspection:** Drones inspect power lines, pipelines, and other infrastructure for maintenance and early detection of issues.

**Construction Site Monitoring:** Provides regular aerial surveys of construction sites to track progress and ensure adherence to plans.

Environmental Conservation:

**Wildlife Monitoring:** Drones are used to observe and track wildlife, helping conservationists study behavior and protect endangered species.

**Forest and Environmental Monitoring:** Enables efficient monitoring of deforestation, illegal logging, and environmental changes in remote areas.

Delivery and Logistics:

**Last-Mile Delivery:** Some companies are exploring drone delivery services for small packages to remote or hard-to-reach areas.

**Inventory Management:** Drones aid in warehouse management by conducting inventory checks and tracking stock levels.

Mapping and Surveying:

**Land Surveying:** Drones equipped with mapping software create accurate 3D maps and models for urban planning and land surveying.

**Disaster Mapping:** Quickly assesses and maps disaster-stricken areas to aid in disaster response and recovery efforts.

Scientific Research:

**Weather Forecasting:** Drones collect atmospheric data for improved weather predictions and climate research.

**Oceanographic Research:** Used for marine life observation, water quality analysis, and studying ocean ecosystems.

The overall experience was and inspiring. We, students of ME Department, CBIT , Proddatur are thankful to Principal Dr.G.Srinivasula Reddy garu, HOD Dr.Mukesh Y.B garu and and Placement Officer Y.Sreedhar garu for the workshop on IOT & ROBOTIC Programming which was conducted with help of “PRINT 3D Technologies,Tirupati” member Dr.B.K.C Ganesh garu.

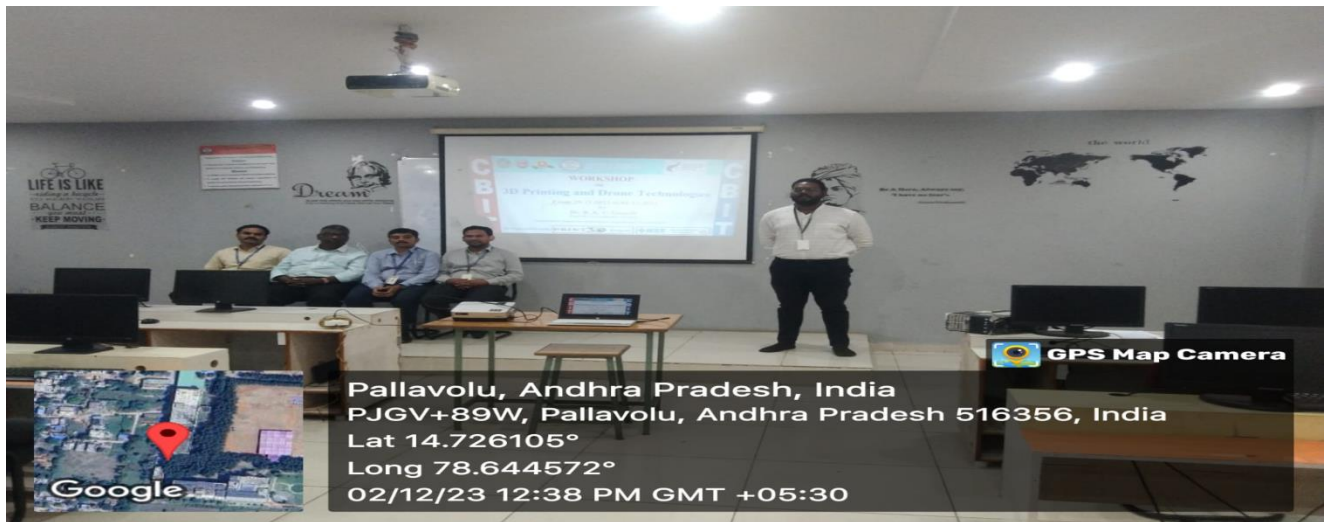


## Photos :











**Trainer Profile:**

Dr.B.K.C.Ganesh completed his BE from Amravati University ,Maharastra in Production in 1996.He completed his Masters from BITS PILANI in Robotics & Automation in 1998 and PhD from Andhra University in 2014. He was in Teaching profession until 2020 and worked at various prestigious engineering colleges. Recently in 2022, he had visited University of Basel ,Switzerland for Advanced Training in Automation & Digital manufacturing. Now he founded his own company named Print3D Technologies at Tirupati which offers Internships,Workshops and Training in Robotics and IOT Progammig for all branches of Engineering and\_Science.



**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 18/10/2023

**IIC Activity**

**ENTREPRENEURSHIP AND INNOVATION AS CAREER OPPORTUNITY**

**Date: 17-10-2023**

**Place:** ME Department Seminar Hall, CBIT – Proddatur.

**Time:** 10:30 AM to 12:00 PM

**Targeted Students:** Ideation Club students

A Half Day Seminar on “**Entrepreneurship and Innovation as Career Opportunity**”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 17<sup>th</sup> October, 2023. The Programme aims to provide opportunities to Undergraduate Students of Students Innovation Club to augment Knowledge & skills in key areas involved in Entrepreneurship and Innovations.

The Expert Speaker Mr. T. Siva Prasad, shared his knowledge & experience on the multiple aspects and the many steps involved in Entrepreneurship and Innovation. He further elaborated on Good idea Vs Bad idea and Best Student Entrepreneurship Practices that can be adopted to enhance the student’s abilities in solving critical problems.

Speaker highlighted on the individual ability and readiness to develop, organize and run a business enterprise, along with any of its uncertainties in order to make a profit. The most prominent example of entrepreneurship is the starting of new businesses. And introduced concept of innovation as about successfully implementing a new idea and creating value for your customers and stakeholders. Innovation starts with a new idea. It could be a plan for an improved product or service; it could be an updated method for running your operations; it could also be a new business model. Innovation is often necessary for companies to adapt and overcome the challenges of change. It fosters growth: Stagnation can be extremely detrimental to your business. Achieving organizational and economic growth through innovation is key to staying afloat in today's highly competitive world.

The total number of students attended was **58** and **04** faculty members were present during the program. The entire session held in ME Department Seminal Hall, Chaitanya Bharathi Institute of Technology on 17-10-2023.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 30/11/2023

**Sub: A report on My Story – Motivational Session by Successful Entrepreneur/Start-up Founder. (Online Session)**

**Description about the Program:**

Ideation Club conducted a session on My Story – Motivational Session by Successful Startup Founder on 30/11/2023. Mr. Karanam Bala Siva Tarun Kumar, CEO- Hydro Tribe Private Limited, Prathipadu, East Godavari Dist, A.P. has participated as a resource person for the awareness program to the students of Ideation club.

**Brief Description about his Startup:**

Dream of a world where food is free of poisonous chemicals, where everyone has access to clean food and air. The dream of a nation sparkling with a massive tribe of home farmers. Hydro Tribe provides A to Z assistance in growing easy to maintain food gardens and air pockets using context- apt technology and services.

Technologies Used are:

**Hydroponics:**

It is a method of growing plants without soil. Roots of plants absorb nutrients from water instead of soil. Required nutrients are added to the system from time to time. Surprisingly, the process is very basic. One can grow exotic varieties too using Hydroponics; no need of adding any herbicides or pesticides.

We will provide all the guidance about what to add when. This works wonders for spaces where there is no soil to grow plants. It needs less water than conventional gardening methods. Using Hydroponics, one can get five times the yield of a same sized conventional agriculture farm.

**Aquaponics:**

For the sake of better understanding, think of Aquaponics as a hybrid between Aquaculture (Fish Cultivation) and Hydroponics. In Aquaponics, the fertilizer that the crops need comes from a fish tank. The excreta of fish is highly nutritious for plants so it is circulated to the plant systems. When the plants absorb the nutrition, the water in turn becomes filtered and



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



## INSTITUTION INNOVATION COUNCIL (IIC)

clean. The cleaned water is then circulated back into the fish tank. The same process repeats over and over again. One can harvest the crops and the fish. Thus, without adding fertilizers, the two systems are looped for multiple yields.

### **Awards Received & Achievements by Mr. Mr. K Bala Siva Tarun Kumar:**

<b>Young Agropreneur Award from NFED</b>	Endorsed with Young Agropreneur Award for my contribution to Organic farming & Sustainable Development.	<b>Nov 2023</b>
<b>Young Innovator Award from NIT AP</b>	Recognized as the Best Innovator in the Startup Expo 2.0 Organized by NIT Andhra Pradesh	<b>NOV 2023</b>
<b>30 lakhs Seed Fund AGBI</b>	Got 30 Lakhs Seed fund from Aditya Global Business Incubator to Hydro Tribe Pvt.Ltd	<b>Aug 2022</b>
<b>2<sup>nd</sup> position in Startup Competitions by APSCH</b>	Secured 2 <sup>nd</sup> position in State level Startup Competitions organized by APSCH	<b>Aug 2022</b>
<b>4 lakhs MEITY EIR Startup Grant</b>	Got 4 Lakhs Entrepreneur in Residence (EIR) MEITY Startup grant from Gyan Circle Ventures IIIT - Sri city	<b>2021</b>
<b>National Solvathon</b>	Secured 1 <sup>st</sup> place in National Level Solvathon for presenting Smart Agri Innovation for growing medicinal Plants with the supervision or Robotics.	<b>2021</b>
<b>12 Lakhs Prototype fund from APPS</b>	Received 12 Lack prototype fund from Aditya College of Engineering Under Aditya Project Proposal Scheme (APPS) to develop my startup Minimum Viable product.	<b>2019</b>
<b>Demo Day APSSDC</b>	Secured 3rd position in demo day organized by APSSDC associated with i2E – NU USA	<b>2018</b>
<b>NU-Idea USA</b>	Represented Hydro Tribe (Karanam Tech) Startup In NU-Idea Demo Day organized by Northeastern University USA. Which was fully funded by Government of Andhra Pradesh.	<b>2018</b>

### **As IIC – Activity :**

On 30/11/2023, In our college (Chaitanya Bharathi Institute of Technology, Proddatur) IIC activity “**Motivational Session by Successful Entrepreneur/Start-up Founder**” – Mr. Karanam Bala Siva Tarun Kumar, CEO- Hydro Tribe Private Limited, Prathipadu, East Godavari Dist, A.P. The students of Ideation Club members 95 No.s (from ECE, EEE, ME, CE and CSE) along with 04 faculty members have attended the program in online.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)

Online Session

**My Story - Motivational Session by  
Successful Entrepreneur/Start-up founder**  
Thursday 30<sup>th</sup> November, 2023: Time: 3:00 PM  
by  
**Mr. K. Bala Siva Tarun Kumar**  
CEO - Hydro Tribe Private Limited,  
Prathipadu, E.G. Dist., A.P, India.

**Problem**

- Usage of pesticides for better yield which results in chemically coated and adulterated vegetables
- It raises lot of health issues.
  - Nervous system related problems
  - Endocrine disruption
  - Liver dysfunction
  - Convulsion
  - Cancer
  - Enzyme
  - Kidney malfunction

<https://timesofindia.indiatimes.com/city/hyderabad/chemical-coaction-pesticides-in-vegetables-and-fruits-harm-hyderabad-citizens-says-ec-expert/articleshow/7846727.cms>  
<https://www.tribuneindia.com/news/india/pesticides-coated-on-vegetables-raises-health-concerns-1064848.html>  
<https://www.tribuneindia.com/news/india/pesticides-coated-on-vegetables-raises-health-concerns-1064848.html>

**Benefits of this solution**

- Zero soil
- 95% - 80% less water
- Nutrient efficiency
- 2x growth rate
- No weeds

**Time Line**

Participated in husky startup challenge

HT Inception

APSSDC Demo day

Boston - USA

Incubation with recognition from APIS

Commercial Product

Dec 2017

July 2018

Nov 2018

Mar 2019

Nov 2019

May 2018

Aug 2018

Dec 2018

May 2019

1<sup>st</sup> Commercial prototype

ADITYA ENGINEERING COLLEGE

Best innovation award from JNTUK

Mentor support from IB Hubs Startup School

6:20

Close Participants (100)

P	212P1A0501	
2	212P1A0502	
2	212P1A0503	
2	212P1A0505	
C	212P1A0512	
2	212P1A0516	
2	212P1A0522	
2	212P1A0526	
2	212P1A0529	
2	212P1A0530	
	212P1A0532	
2	212P1A0533	

Invite Mute All ...

6:21

Close Participants (100)

V	Vasavi(584)	
VV	Vishnu vardhan Reddy	
V	VUTUKURU SAI NEERAJA CBIT	
2	212P1A0552	
2	212P1A0557	
2	212P1A0594	
2	212P1A05A1	
2	212P1A05B3	
C	Chaithanya	
GB	Gangadhar Bairagani	
JA	Jangam Arun	
V	Vijay(222P5A0522)	

Invite Mute All ...

6:20

Close Participants (99)

Search

	Gurrampati Sreenivasu... (Host, me)	
KB	Karanam Bala Siva Taru... (Co-host)	
GN	Guru Naga Prasanth	
(	(212P1A05E9)	
1S	192P1A0545 Suneela	
2	212p1a0424	
2	212P1A0430	
2	212P1A0448	
2	212P1A04B1	
P	212P1A0501	
2	212P1A0502	

Invite Mute All ...





## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### **FINAL YEAR STUDENTS PROJECT EXPO-2K23**

*Date: 1 December 2023*



**Report**

**On**

**PROJECT EXPO-2K23**

**Report**

A PROJECT EXPO-2K23 has been organized by Department of Electronics and Communication Engineering for the ECE students on 1<sup>st</sup> December 2023. The Main objective of the expo is to encourage students to do innovative projects and transfer the knowledge about project to the other students. Totally 18-batches (64students) presented their projects in PROJECT EXPO. The PROJECT EXPO-2K23 started with the hands of Honorable Principal Sir, Dr.G.Sreenivasula Reddy Garu.





### **Project Exhibition:**

Date and Time: 1<sup>st</sup> December 2023, 9:00 AM to 4:00 PM

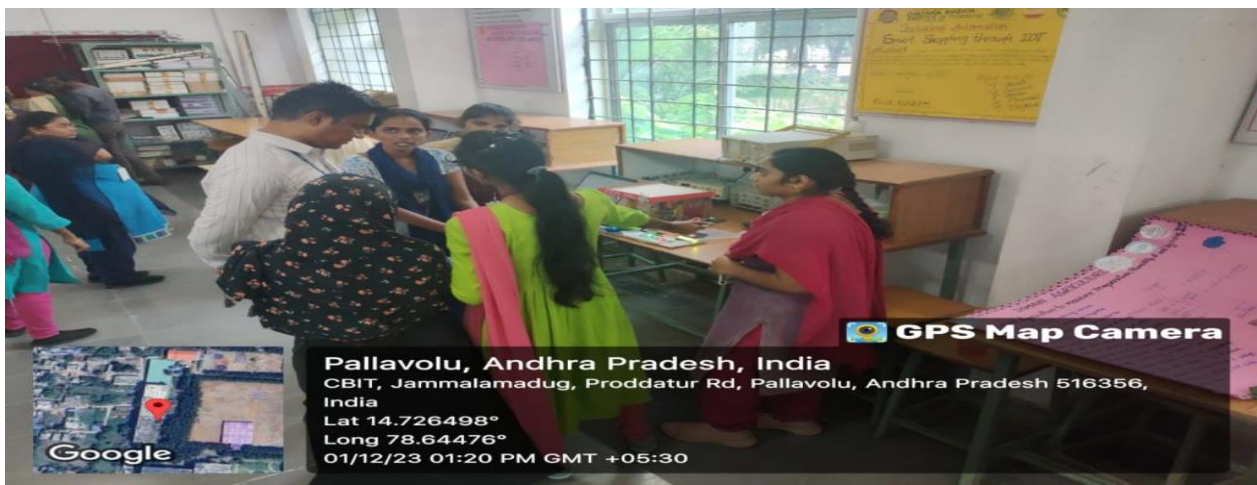
Venue: Electronics and Communication Lab.

Curiosity is the basis of any discovery. It is one of those things which is infinite, the other being the universe. To provide students the right platform in order to turn their curiosity into geniuses, ECE Department organized "Project Expo-2K23" for the ECE on 1<sup>st</sup> December 2023. The Honorable, Principal of college, Dr .G. Sreenivasulu Reddy and HOD of ECE, Dr.M.Lakshmi Kiran, graced the event with their presence.









After the expo best 3 projects were selected from section A and section B as a token of encouragement. On the hands of Principal sir, HOD sir, all the faculty members the prize distribution was done. MBA HOD Dr.R.Uma Devi madam also participated in the event as a Co-ordinator of Ideation club to collect ideas from the students and file them. Madam explained about the club and its importance and asked students to submit their ideas. In this occasion Principal sir Promised that funding will be provided if the idea is selected on behalf of Chairman sir.





## Prize Distribution to Winners:



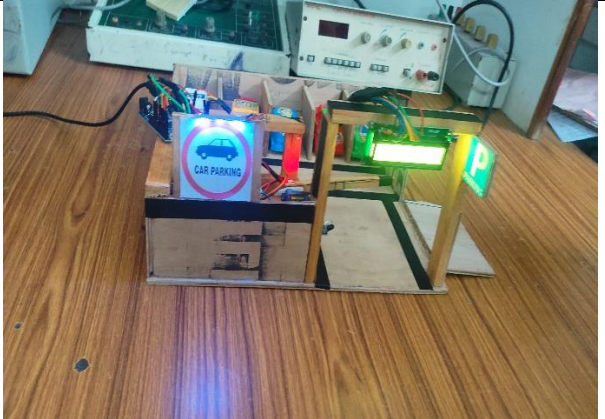
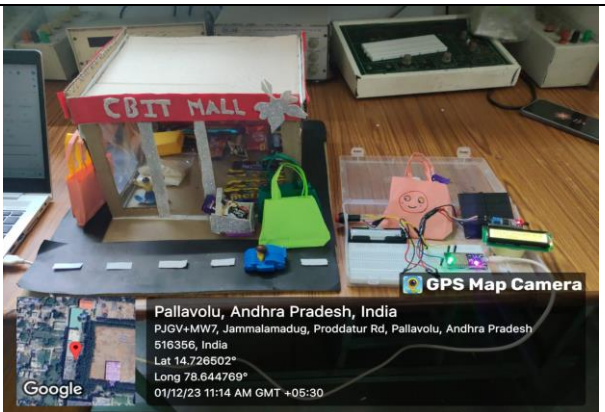





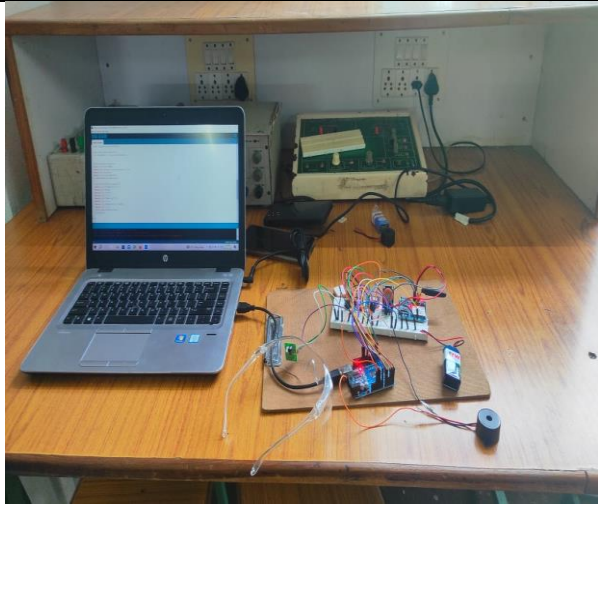

The participated project batches in this Project Expo and their projects given below.

S.NO	Project Batch	Project Output Photos
1	<p><b>AUTOMATIC WATER DISPENSER USING ARDUINO</b></p> <p>1) B. GURU BHARATHI – 202P1A0410  2) C. SUNITHA –202P1A0415  3) D. VARA LAKSHMI – 202P1A0421  4) D. LALITHANJALI – 202P1A0423  5) M. VIJAYA LAKSHMI – 202P1A0451  6) M. RAMA DEVI – 202P1A0454</p>	
2	<p><b>AUTOMATIC PLANT WATERING SYSTEM USING ARDUINO UNO</b></p> <p>1) A. KUSUMA GANGA – 202P1A0401  2) A. JAHNAVI –202P1A0402  3) B. BABY –202P1A0412  4) G. KAVYA - 202P1A0428  5) G. SAI LAKSHMI – 202P1A0431  6) G. MANVITHA – 202P1A0432</p>	
3	<p><b>PATIENT HEALTH MONITORING SYSTEM USING ARDUINO</b></p> <p>1) B. NAGA JYOTHI – 202P1A0414  2) K. GURU KAVYA –202P1A0444  3) M. SUJITHA – 202P1A0449  4) M. PAVANI– 202P1A0452  5) M. SREEVANI – 202P1A0453</p>	

4	<p><b>AN AUTOMATIC SMART ZEBRA CROSSING USING ARDUINO UNO</b></p> <p>1) C. SUMITHRA –202P1A0416  2) G. SWARUPA–202P1A0426  3) K. DIVYANJALI –202P1A0439  4) K. THANUSHA – 202P1A0443  5) M. LAVANYA– 202P1A0450  6) N. SUSHMA– 202P1A0458</p>	
5	<p><b>MOTION SENSEOR LIGHT BLINKING &amp; REPORTING SYSTEM USING ARDUINO</b></p> <p>1) B. RAJ KUMAR–202P1A0403  2)B. CHAITANYA KRISHNA – 202P1A0405  3) C. SALEEM–202P1A0418  4) D. SIVA TEJA– 202P1A0420  5) G. SREE VASU– 202P1A0429  6) K. KRISHNA SAI– 202P1A0446</p>	
6	<p><b>SMART WASTE MANAGEMENT SYSTEM USING ARDUINO</b></p> <p>1) B. SOWJANYA KUMAR REDDY– 202P1A0411  2)B. CHARAN KUMAR REDDY – 202P1A0406  3) G. THARUN–202P1A0430  4)K. RAVI KUMAR – 202P1A0438  5)M. GANESH – 202P1A0448</p>	

7	<b>GAS LEAKGE DETECTOR</b> 1)B. SUDARSHAN REDDY – 202P1A0408 2)D. PAVAN KUMAR REDDY– 202P1A0424 3) G. KIRAN KUMAR GIRIDHAR– 202P1A0427 4)J. KALYAN KUMAR – 202P1A0434 5)N. HARI KUMAR – 202P1A0457 6) N/ DHARMA TEJA– 202P1A0459	
8	<b>AN AUTOMATIC PARKING SYSTEM</b> 1) J. PAVAN –202P1A0435 2) J. NEERAJ –202P1A0437 3) K. SUDRASHAN REDDY– 202P1A0442 4) K. BHANU PRAKASH REDDY – 202P1A045 5) N. GANESH KUMAR REDDY– 202P1A0455	
8	<b>AN AUTOMATIC PARKING SYSTEM</b> 1) J. PAVAN 2) J. NEERAJ 3) K. SUDRASHAN REDDY 4) K. BHANU PRAKASH REDDY 5) N. GANESH KUMAR REDDY	
9	<b>THE SMART SHOPPING THROUGH IOT</b> 1)V. SUHASINI 2)P. AIESHA 3)T. VASAVI 4)T. PUJITHA 5) S. MOUNAVI	



10	<p>SMART AGRICULTURE TO MEASURE HUMIDITY, TEMPERATURE, MOISTURE OF THE SOIL USING IOT</p> <hr/> <p>P.JEEVANI</p>	
11	<p>ACCIDENT PREVENTION, DETECTION AND REPORTING SYSTEM USING ARDUINO</p> <hr/> <p>1)P.SRI VENKATA RUKMINI 2)P.NAGA JYOTHI 3)V.SARTHIKA 4)V.MANEESHA 5)S.AHALYA</p>	
12	<p>SOLAR POWER MONITORING SYSTEM</p> <hr/> <p>1)P.NAVARATNALU, 2)P.SUCHARITHA 3)T.KAVITHA, U.V.SUBBAMMA 4)Y.VIJAYASREE 5)B.SWARUPA</p>	

Finally our principal, HOD sir congratulated all the participants to their participation in the project expo and wished them ALL THE BEST for their bright future and encouraged them to grab the opportunity provide by ideation club to develop the projects and get the patents for their project.HOD sir also said to involve their juniors in their project so that after the completion of their engineering the juniors can take over the project . And 3 prizes were given to the winners of the competition.



**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 01/12/2023

**Sub: A report on Exposure & Field Visit on Problem Identification.**

**IIC Activity**

**EXPOSURE & FIELD VISIT ON PROBLEM IDENTIFICATION**

**Dates:** Between 20-11-2023 to 30-11-2023

MHRD'S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 18<sup>th</sup> November, 2023 issued a circular and instructed students to go for field visit and expose to various entrepreneurs, village and other environments in order to identifying the problems faced by the people and where a technological solution can be given to them. The students noted the problems and submitted in Ideation club.

.The total number of students attended the field visit were **115**. The visit took place between **20-11-2023 to 30-11-2023**.



**Fig: A group of students noted the farmer's problems.**



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)



**Fig: A group of students noted the traffic problems in Proddatur & Kadapa towns.**



**Fig: A group of students noted the problems in the local schools (both Govt. & Pvt. Schools).**



## INSTITUTION INNOVATION COUNCIL (IIC)



**Fig: A group of students noted the women's empowerment & related problems.**



**Fig: A group of students noted the pollution problems facing by people near cement industries at Yerraguntla town.**



# **CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)**

Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



## **INSTITUTION INNOVATION COUNCIL (IIC)**



**Fig: A group of students noted the problems in the local hospitals (both Govt. & Pvt.).**



# ITANYA BHARATHI INSTITUTE OF TECHNOLOGY

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Accredited by NBA, Accredited by NAAC with 'A' Grade)  
Vidya Nagar, Pallavolu(v), Proddatur-516362(A.P) India

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## Activity Report

Name of the Activity	: <b>Workshop</b>
Title of the Workshop	: <b>Electrical circuits analysis and its applications</b>
Date of the Event	: <b>05-12-2023 (Monday)</b>
Scheduled Time	: <b>9:15 AM to 04.00 PM</b>
Keynote Speaker	: <b>Sri. Dr. Luke .John Baktha Singh,</b> <b>Professor,</b> <b>Department of EEE</b> <b>VVIT COLLEGE, Guntur.</b>
Target Audience	: <b>II Year Students</b>
No. of Participants	: <b>70</b>
Co-coordinator(s)	: <b>Mr. C.V.Narasimhulu</b>
Venue of the Event	: <b>Seminar hall</b>

### WorkshopReport:

The workshop started with Inauguration. Dr. V Jaya Chandra Reddy, The Chairman of CBIT, Dr G Sreenivasula Reddy, The Principal of CBIT, Dr Luke .John Baktha Singh, The Speaker, Mr N Vara Prasad, HODEEE, Heads of other department, staff and Students were attended the Inauguration.

In the morning session, the speaker has given a detail lecture on electric circuit analysis in Electrical Engineering and highlighted the electrical circuits usage in application point of view. Later, the speaker gave a hands-on session by giving application point of view of circuit analysis to the students.

The glimpses of Hands-on session are as follows:

1. Lecturing on locus diagrams and its concepts
2. Lecturing on two port networks.

In the afternoon session, the speaker explained the usage of electrical circuits for any application and also explained transient analysis concepts and its applications.





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The programme was concluded with a valedictory function by Mr.P.Nagarjuna, who gave thanks to The Management, The Principal, the HOD EEE, and the teaching and non-teaching staff of the department for permitting and for smooth conduction of the event. Finally, the feedback forms were collected from the participants.

### Photo gallery of the Event



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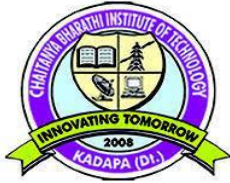
**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**  
-PRODDATUR-

**ONE DAY WORK SHOP**  
on  
**ELECTRICAL CIRCUIT ANALYSIS AND ITS APPLICATIONS**  
Date: 04-12-2023  
by  
**Dr. I. Luke John Baktha Singh**  
Prof. in EEE Department, VVIT, Guntur

Organized by : Department of Electrical and Electronics Engineering

in Association with :

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**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 08/12/2023**

**Sub: A report for One day Workshop on Recommended Systems.**

**Self Driven Activity**

**A ONE DAY WORKSHOP ON RECOMMENDED SYSEMS**

**Date:**08-12-2023

**Place:** Seminar Hall, CBIT

**Time:** 9:30 AM to 4:30 PM

**Targeted Students:** Members of II B.Tech (CSE, CSE(DS), CSE(AI), CSE(AIML) & III B.Tech (CSE) students

A One Day Workshop on “Recommended Systems”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 08<sup>th</sup> December, 2023. The Programme aims to provide opportunities to Undergraduate Students of CSE and its aligned branches to augment Knowledge & skills in key areas involved in the area of Recommended Systems.

The Expert Speaker Dr. K. Sathya Babu, Professor & HOD, IIIT-DM, Kurnool, A.P., shared his knowledge & experience on the multiple aspects and the many steps involved in the area of Recommended System. Speaker highlighted on recommender system is a sub-category of an information extraction system that helps to find the ranking or user preference for a particular item. Recommendation systems are dedicated software and methods that give ideas related to things that are used by different users. A recommendation engine is an AI-driven system that generates personalized suggestions to users based on collected data. The recommendation process consists of 4 main steps: collecting, analyzing, and filtering data, and then generating recommendations using machine learning techniques.

The total number of students attended was **225** and **21** faculty members were present during the program. The entire session held in Seminar Hall, Chaitanya Bharathi Institute of Technology on 08-12-2023.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

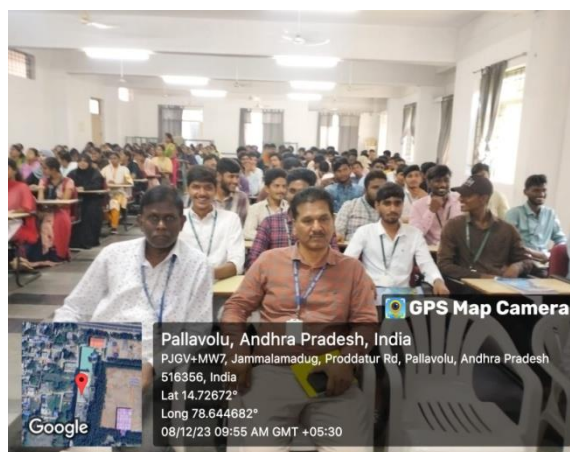
## INSTITUTION INNOVATION COUNCIL (IIC)

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Innovating Tomorrow  
**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY**  
-PRODDATUR-

**WORKSHOP**  
ON  
**RECOMMENDER SYSTEMS**  
by  
**Dr. K. Sathya Babu, Ph.D**  
PROFESSOR & HOD  
Indian Institute of Information Technology, design and manufacturing KURNOOL.  
Date : 08-12-2023  
Organized by : **Department of Computer Science and Engineering**

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# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



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## INSTITUTION INNOVATION COUNCIL (IIC)





**DEPARTMENT OF CIVIL ENGINEERING**

**HANDS ON WORKSHOP**

**IN**

**“STEEL IS DUCTILE” – REINFORCEMENT**

**DETAILING**

*Date: 08<sup>th</sup> DECEMBER 2023 & 09<sup>th</sup> DECEMBER 2023*



**A REPORT**

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## Report

The workshop on “Two days workshop on “Steel is ductile”-Reinforcement detailing” was organized at Chaitanya Bharathi Institute of Technology from 08<sup>th</sup> December 2023 & 09<sup>th</sup> December 2023. The workshop is started with the hands of our Principal, Dr. G. Srinivasula Reddy, Head of the Department, Mrs. S. Sruthi and Faculty members. The Main objective of the workshop is to transfer the practical knowledge on “Bending of steel for footings, columns, beams & slabs” through the hands of experience by the students.

## Poster:

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Innovating Tomorrow . . .

**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY**  
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INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

**TWO DAYS HANDS ON WORKSHOP**  
in  
**"Steel is ductile" - Reinforcement detailing**  
by  


**Er. K.Sri Pranap, M.E, (Ph.D.)**  
Structural Engineer,  
4 wall Construction, Coimbatore & Visiting Faculty,  
McGAN's Ooty School of Architecture, Ooty

Date: 08<sup>th</sup> and 09<sup>th</sup> December 2023

Organized by : Department of Civil Engineering

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## **The two-days workshop content is as follows:**

**Day 1:** An introduction session about steel and given explanation on the steel advantages & its chemical compositions. Also explained in detail about the arrangement of steel in footing, columns, beams, slabs.

The practical session was started after the introduction session in Civil department labs. The making of prototype using steel for footing, columns, beams & slabs, as per bar bending schedule were done by the students.

**Day 2:** The same practical workshop was conducted for the second day of workshop by bending steel as per bar bending schedule shape & size. The bars were placed as per drawing of footing, beam, column & slabs and tied up the bars using binding wire with hook. After that painting was done for footing, beam, column & slab prototype model. Finally the expert explained about the functions of main reinforcement, distribution reinforcement & stirrups in Footing, Beam, Column & Slabs. The valedictory function was conducted and the expert was felicitated by our Principal.

## **Applications of Reinforcement detailing :**

- Reinforcement detailing is a very important step in structural design. It is the structural detailing that will convey your intended structural design to site. If your structural detailing of members is not good enough to convey what your design is, then there is no much use of the design. Many students focus on structural analysis and tools needed for it like ETABS and STAAD Pro.
- Reinforcing steel bar is a regular steel bar that is hot rolled and is used by and large as a piece of the advancement business, especially for solid help.
- Hot rolled deformed bars are most usually utilized for steel support for R.C.C structures. As the name says, the hot moving of the support is experienced leaving certain deformations on its surface in the form of ribs.
- The reinforced steel structure is planned on the standard that steel and strong act together to withstand actuated powers. The properties of thermal development for both steel and concrete are generally proportionate. This alongside phenomenal bendability property makes steel the best material for reinforcement help of structures. Support steel is strong in strain at the same time being adaptable enough to be shaped or bent.
- Steel reinforcing should be used as a piece of the essential erosion zones. There are no consequent dangers of galvanic corrosion of reinforced-bar, when canvassed in concrete a long way from the apparent consumption zones. Joining among impeccable and carbon steel can be cultivated with couplers or lapping.
- Reinforcement steel has a high modulus of flexibility, for instance, 200gpa ( $200 \times 10^9$  n/m<sup>2</sup>). This makes the steel stretch out in tension (up to 200gpa) without breaking and recover its shape on the expulsion of burden.
- Reinforcing steel is produced and created under controlled conditions utilizing current quality affirmation forms. The last quality of the material is checked at the purpose of

creation, not after the material is as of now set in the edge of the structure. Basic steel is shop manufactured to close resilience's outlandish for site cast materials.

- Structural steel industry has enough creation ability to fulfill the needs of the development business and is accessible calm for any construction.
- Reinforcement steel can be effortlessly created and delivered hugely. This spares time and expands the proficiency of the general development process.
- Reinforcement steel has figured out how to catch the trust of designers and modelers over the world. With respect to the prompt future is concerned, steel isn't going anywhere, late upgrades to the steel producing process has even decreased the wastage to zero. As steel turns out to be all the more naturally inviting, its effect and acknowledgment are just going ahead.
- The construction of steel plates reinforced is practical and reasonable. As a result of the quick development, the development time is avoided or diminished, and the support material is saved. Differentiated and other support strategies, the expense of fortification of shaft and stick steel is gigantically saved and the monetary favorable position is particularly high.
- Reinforcing structural steel structures can be altered later on for new applications, stacking conditions, vertical developments and changes in proprietor wants in manners that other surrounding frameworks can never achieve.
- The structural reinforcement steel industry has enough creation capacity to fulfill the necessities of the advancement business and is available calm for any house development.
- Reinforcement steel rebar is valuable as a result of its capacity to grow and contract with evolving temperatures. Regardless of whether it is presented to warmth or chilly, solid will remain fundamentally stable. The rebar and cement are good since they grow and contract at nearly a similar rate, ensuring a level of cohesiveness.



The overall experience was and inspiring. We, students of CE Department, CBIT , Proddatur are thankful to Principal Dr.G.Srinivasula Reddy garu, HOD Mrs. Sruthi garu and our Department faculty members for the workshop on “Steel is ductile”-Reinforcement detailing” which was conducted by the resource person, Mr. K. Sri Pranap M.E, (Ph.D.) Garu. 4 Wall construction , Coimbatore& Visiting Faculty ,McGAN’S Ooty School of Architecture.

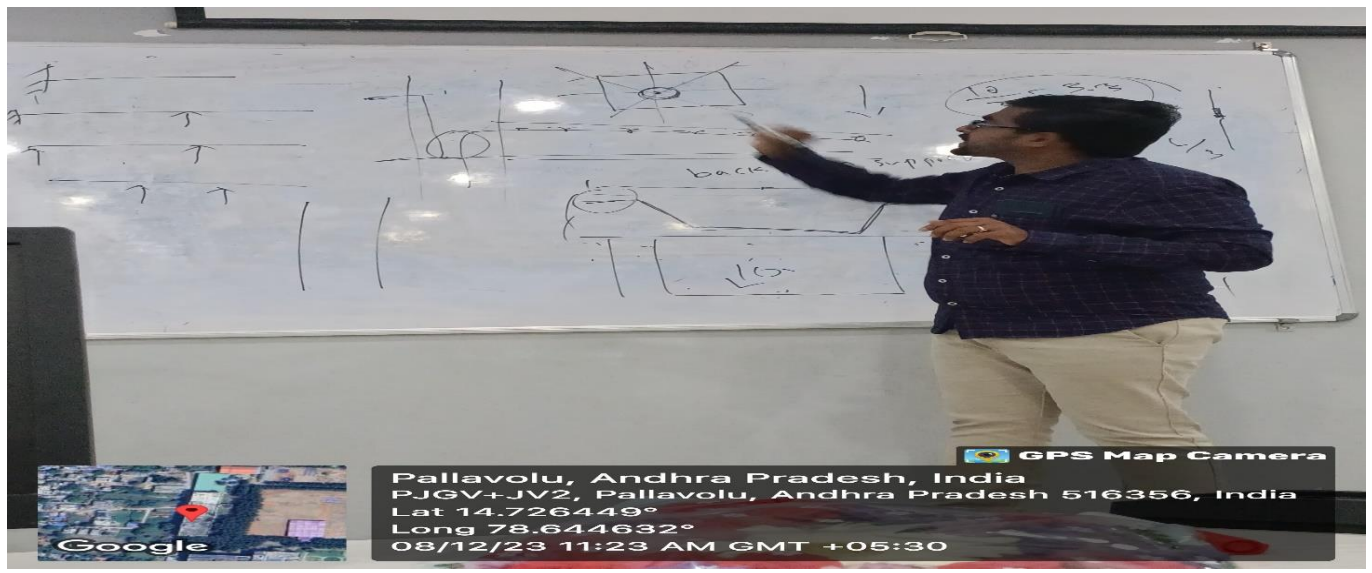
### **List of participated students in work shop**

S.NO.	YEAR	ROLL NUMBERS	NAME OF THE STUDENT
1	IV - I	202P1A0101	G. REVATHI
2	IV - I	202P1A0102	G. RAJESH
3	IV - I	202P1A0103	K. JAYA SREE
4	IV - I	202P1A0104	K. VENUGOPALA SWAMY
5	IV - I	202P1A0105	K. MAHENDRA
6	IV - I	202P1A0106	K.V. PREM CHAND
7	IV - I	202P1A0107	M. JOSHI ENOSH
8	IV - I	202P1A0108	M. MALLESWARI
9	IV - I	202P1A0109	N. VINEETHA
10	IV - I	202P1A0110	R. VENKATA PHANEENDRA
11	IV - I	212P5A0101	B. SANDEEP
12	IV - I	212P5A0102	C. SURYA NARAYANA
13	IV - I	212P5A0103	G. SUMANTH KUMAR
14	IV - I	212P5A0104	G. ARAVIND
15	IV - I	212P5A0105	G. SUNIL
16	IV - I	212P5A0106	G. GANESH
17	IV - I	212P5A0107	J. SANDEEP
18	IV - I	212P5A0108	J. ANUSHA
19	IV - I	212P5A0109	K. RAMA SAI KUMAR
20	IV - I	212P5A0111	M. VENKATA SREEKANTH

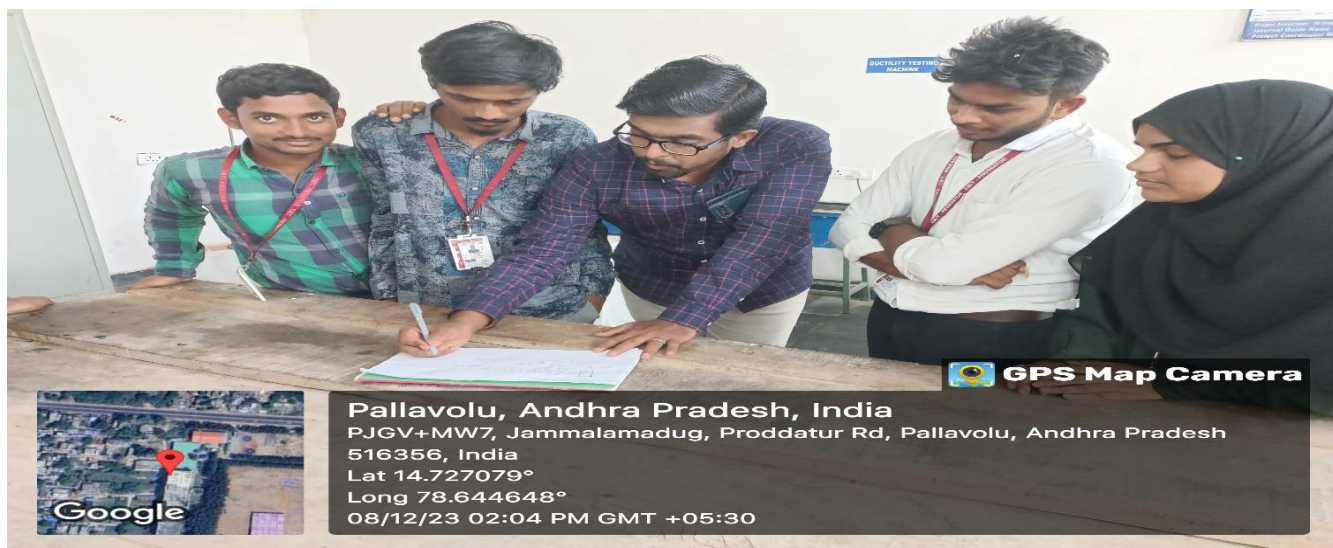


21	IV - I	202P1A0112	M. SIVA NARAYANA
22	IV - I	202P1A0113	M. SUBBARAYUDU
23	IV - I	202P1A0114	M. DHAVANEESWAR REDDY
24	IV - I	202P1A0115	M. CHANDRA KISHORE
25	IV - I	202P1A0116	N. KALYANI
26	IV - I	202P1A0117	O. VEERA REDDY
27	IV - I	202P1A0118	P. SIVA KRISHNA
28	IV - I	202P1A0119	P. ERUGUL REDDY
29	IV - I	202P1A0120	R. DILSHAD
30	IV - I	202P1A0121	S. CHAITANYA KUMAR
31	IV - I	202P1A0122	S. ARSHIYA
32	IV - I	202P1A0123	T. IRFAN BASHA
33	IV - I	202P1A0124	Y. SANDHYA
34	IV - I	192P1A0105	C. SURENDRA
35	IV - I	203N1A0196	N. RAJA THANUSHA REDDY
36	IV - I	182P5A0107	G. PRIYANKA
37	IV - I	182P5A0122	S. GOWTHAMI
38	III- I	222P5A0101	B. AKHILA
39	III- I	222P5A0102	B. SAKETH REDDY
40	III- I	222P5A0103	E. VENKATA SUNANDA REDDY
41	III- I	222P5A0104	G. APARNA
42	III- I	222P5A0105	K.CHINAARI
43	III- I	222P5A0106	M. SAMEER
44	III- I	222P5A0107	Q.MD. FAHIM
45	III- I	222P5A0108	S.M. ROSHAN SAIT
46	III- I	222P5A0109	S. SHAHEEN
47	III- I	222P5A0110	M. LAKSHMI DEVI
48	II-I	232P5A0101	G. VARSHITHA
49	II-I	232P5A0102	G. HARINATH REDDY
50	II-I	232P5A0103	K. HEMANTH
51	II-I	232P5A0104	K. VYSHNAVI
52	II-I	232P5A0105	M. GOURI SHANKAR
53	II-I	232P5A0106	N. RAM CHARAN
54	II-I	232P5A0107	P. VENKATA CHALAPATHI REDDY
55	II-I	232P5A0108	P. CHAITANYA KUMAR
56	II-I	232P5A0109	S. NARASIMHA DATTA
57	II-I	232P5A0110	T. VASANH KUMAR
58	II-I	232P5A0111	T VENKATA PAVAN KUMAR
59	II-I	232P5A0112	Y. JAHNAVI

## Photos :











**HOD**

**PRINCIPAL**



**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 11/12/2023

**MIC – Activity**

**PM OF INDIA launches ‘Viksit Bharat @2047’**

**Description about ‘Viksit Bharat @2047’:**

Viksit Bharat @2047 is the vision to make India a developed nation by 2047, the 100<sup>th</sup> year of independence. The vision encompasses various aspects of development, including economic growth, social progress, environmental sustainability, and good governance.

The Prime Minister, Shri Narendra Modi launched ‘Viksit Bharat @2047: Voice of Youth’ via video conferencing today. During the program, Prime Minister Modi addressed the Vice Chancellors of Universities, Heads of Institutes and faculty members in workshops organized at Raj Bhawans across the country to mark the beginning of this initiative.

The Prime Minister began his address by extending a huge thank you to all the Governors for organizing today’s workshop for the development of Viksit Bharat and said that today is a special occasion regarding this resolution. He lauded their contributions of bringing together all the stakeholders who hold the responsibility of guiding the youth of the nation in accomplishing the goal of Viksit Bharat 2047. Prime Minister Modi highlighted the role of educational institutions in the personality development of an individual and said that a nation becomes developed only with the development of its people. Underlining the importance of personality development in the present era, the Prime Minister extended his wishes for the success of the Voice of Youth workshop.

The Prime Minister said that in the life of any nation, history provides a time period when the nation can make exponential strides in its development journey. For India, “This Amrit Kaal is ongoing” and “this is the period in the history of India when the country is going to take a quantum leap”. He gave examples of many nearby countries that took such a quantum jump in a set timeframe and turned into developed nations. “ For India, this is the time, right time (Yahi Samay hai, Sahi Samay hai)”, he said, adding that each and every moment of this Amrit Kaal should be utilized.



**INSTITUTION INNOVATION COUNCIL (IIC)**

The Prime Minister reiterated the glorious struggle for freedom as a source of motivation. He said each endeavour such as Satyagrah, revolutionary path, non-cooperation, swadeshi, and social and educational reforms during that time were geared towards freedom. This period saw Universities like Kashi, Lucknow, Vishwa Bharti, Gujarat Vidyapeeth, Nagpur University, Annamalai, Andhra and University of Kerala strengthen the consciousness of the nation. An entire generation of youth dedicated to the freedom of the nation came into being whose every effort was directed toward the goal of Independence. “Today, every institution and every individual should move with a resolution that every effort and act will be for Viksit Bharat. The aim of your goals, your resolutions should be only one – Developed India”. The Prime Minister emphasized that teachers and universities ponder about finding ways to make India a developed country at a faster pace and also identify specific sectors for improvement towards becoming a developed nation.

Prime Minister Modi underlined the need to channel the energy of the students and the youth of every university towards achieving the common goal of ‘Viksit Bharat’. Noting the diversity of ideas, the Prime Minister stressed linking all the streams towards building a developed India. Shri Modi urged everyone to go beyond their limits to contribute to the vision of Viksit Bharat@2047. He suggested running special campaigns in every college and university in the country to connect more and more youth with this campaign. The Prime Minister mentioned the launch of Ideas Portal related to Viksit Bharat and informed that suggestions can be given on 5 different themes. “A prize has also been arranged for the best 10 suggestions. You can also give your suggestions on MyGov”, he added. “Idea starts with an ‘I’ just like India begins with an ‘I’”, the Prime Minister remarked as he underlined that the idea of development can only begin with the ‘I’ of the self.

**As MIC – Activity :**

**Today, i.e., on 11/12/2022, In our college (Chaitanya Bharathi Institute of Technology, Proddatur) has conducted this activity. The students of all departments along with all faculty members have attended the live telecast streaming of the program.**





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



## INSTITUTION INNOVATION COUNCIL (IIC)





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)

Date: 07/01/2024

### MIC – Activity

### IIC – Regional Meeting @ 06-01-2024

#### As MIC – Activity :

On 06/01/2024, Dr. H. Suresh Babu Rao, Assoc. Prof., Chaitanya Bharathi Institute of Technology, Proddatur has participated in the IIC – Regional meeting conducted at Koneru Lakshmiah Education Foundation, Vijayawada. Also, presented CBIT's Institution IIC poster on the same day during the event. The participation certificate is also submitted in the report below.







# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 12/01/2024

**'National Youth Day' Celebrated by**

Theme 2024: **"Arise, Awake, and Realise the Power You Hold"**

**About 'National Youth Day':**

National Youth Day 2024, celebrated on January 12<sup>th</sup> is an event that honours the birth anniversary of Swami Vivekananda. The theme for National Youth Day 2024 is "Arise, Awake, and Realise the Power You Hold."

- India celebrates the National Youth Day, on 12th January every year on the occasion of Swami Vivekananda's birth anniversary. Since 1984, the nation has marked the day by urging the youth to live up to the values, principles and beliefs that Vivekananda embraced.
- As a part of National Youth Day celebrations, India organizes an annual National Youth **Festival** from January 12 to 16.
- The theme of this year's festival is **"Viksit Bharat@ 2047: Yuva ke liye, yuva ke dwara"**. **Swami Vivekananda** is considered one of the **great Indian monks** who enlightened the Western world about Hinduism. As a disciple of **Sri Ramakrishna Paramahansa**, he pushed for **national integration** in colonial India and is credited with **reviving Hinduism** in the nation.

The National Youth Day marks the birth anniversary of a great Indian Saint, Spiritual Leader, and philosopher – **Swami Vivekananda**. Vivekananda was Ramakrishna Paramhansa's chief disciple in the 19<sup>th</sup> century. He founded the Ramakrishna Math, a monastic order in Kolkata based on his guru's teachings, and the Ramakrishna Mission, a global spiritual movement based on Vedanta, an ancient Hindu philosophy.

In India, his birthday is celebrated as National Youth Day to honour one of the greatest spiritual and philosophical leaders of all time and to recollect his ideas on how young people should take part in the modern world while upholding their values.



## **INSTITUTION INNOVATION COUNCIL (IIC)**

### **National Youth Day 2024: Theme**

National Youth Day 2024 is marked every year on January 12th. It is an occasion that celebrates the birth anniversary of Swami Vivekananda. “Arise, Awake, and Realise the Power You Hold” is the theme for National Youth Day 2024.

### **National Youth Day: History and Importance**

In 1984, the government of India chose to observe Swami Vivekananda's birth anniversary to the world as the National Youth Day. Since then, the day has been observed annually to promote Swami Vivekananda's ideas, teachings, and way of life among young people.

On this day, many programmes are coordinated in various parts of the nation, including at the centres of the Ramakrishna Math and Ramakrishna Mission. At schools, universities, and other educational foundations, occasions like competitions, debates, and seminars are held on this day.

### **National Youth Day 2024: Celebration**

The celebrations of National Youth Day take different forms across the nation – from meaningful speeches and musical performances to meaningful seminars and dynamic youth shows.

Educational discussions and rivalries, including yoga practice, introductions, and writing competitions, further connect with youthful personalities and promote consciousness of individuals' rights.

This year, Prime Minister Narendra Modi will introduce the 27th National Youth Festival in Nashik, Maharashtra on January 12 and address the young people of the country.

### **About the Program:**

On 08/01/2024, an elocution competition was conducted on occasion of National Youth Day-2024, celebrated on January 12<sup>th</sup> is an event that honours the birth anniversary of Swami Vivekananda in association with NYK (Nehru Yuva Kendra – Kadapa for the students and total number of participants (including external participants) were **145** and the total CBIT students participated were **29**. After completion, the winners were awarded with the prizes and participants with the certificates.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)



		
<b>NEHRU YUVA KENDRA - KADAPA</b> (An Autonomous organization under Ministry of Youth Affairs & Sports, Govt. of India)		
<b>Certificate</b>		
This is to certify that Mr. / Miss / Mrs. <u>Khushi</u>		
S/o., D/o. W/o. <u>Chitranshan kumar</u> Resident of Village <u>Proddatur</u>		
District <u>Kadapa</u> State <u>ANDHRA PRADESH</u> has Participated in <b>Declaration Competition</b> on		
<b>MYBharat - Viksit Bharat @2047</b> held at <u>NYK, Kadapa</u>		
Date of Issue : <u>08-01-2024</u>		
Place : <u>Kadapa</u>		
		 <b>K. MANIKANTA</b> District Youth Officer NEHRUYUVA KENDRA KADAPA, AP



**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 18/01/2024**

**‘National Startup Day’ Celebrated by**

Theme 2024: "Startups Unlocking Infinite Potential."

**Date:** 18-01-2024

**Place:** CBIT Seminar Hall.

**Time:** 10:00 AM

**Targeted Students:** III B. Tech students.

As Prime Minister Narendra Modi had declared 16<sup>th</sup> January as 'National Startup Day' which recognizes the extraordinary growth and contributions of the startup community to the Indian economy.

**'Challenges for startups in India'**

Startups in India grapple with several challenges, including the critical issues of talent acquisition and retention as they strive to build and scale their teams.

Investor caution, spurred by governance lapses, underscores the imperative for transparent governance and robust risk mitigation strategies. Regulatory complexities add another layer of difficulty, demanding ongoing vigilance and impacting operational efficiency.

However, most of entrepreneurs believes that every obstacle encountered is a chance to innovate. "In the vast realm of dropshipping and B2B import, startups face challenges like finding reliable suppliers, limited categories, inventory management, low-profit margin, and delayed fulfillment.

Many urged Entrepreneurs to embrace these challenges by not viewing them as obstacles but as golden opportunities to revolutionize. And Startups tackle challenges with a commitment to addressing accessibility issues and developing sustainable solutions through technology, driven by creativity and positive change.

He said managing startups involves adapting to tight budgets, limited resources, and intense competition, with success relying on continuous innovation, customer engagement, and cautious approaches to AI investments.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

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## INSTITUTION INNOVATION COUNCIL (IIC)

Many challenges, like navigating regulations and nurturing talent, persist but require a collaborative approach. "Despite hurdles, optimism prevails as India's demographic advantage, coupled with a government focus on digital transformation, sets the stage for entrepreneurial success."

### **‘Opportunities for startups in India’**

Within these challenges, many opportunities lie to revolutionize traditional models, leverage cutting-edge technology, and forge partnerships that redefine efficiency, adding that D2C startups have the unique opportunity to not only meet the nation's increasing demand for trending products at competitive rates but to also lead in the D2C segment.

India remains a robust economy, projected to grow at 6.3 percent in 2023–24 despite these challenges. The government's unwavering support through initiatives like Startup India and Atal Innovation Mission provides startups with essential resources, mentorship, and favorable policies.

The program was organised at CBIT Seminar Hall and the Principal and IIC Convener spoken about growth of start-ups in our country and highlighted its importance. The total number of students attended the program were **212** and **06** faculty members were present during the program. The entire session held in Seminar Hall, Chaitanya Bharathi Institute of Technology on 18-01-2024.

The banner is for National Startup Day at CBIT Proddatur. It features a central map of India with the text 'NATIONAL STARTUP DAY' and the theme 'Theme 2024: "Startups Unlocking Infinite Potential."'. The date is 'Date: 18-01-2024' and the place is 'Place: CBIT Seminar Hall.'.

**Logos and Text on the banner:**

- UGC AUTONOMOUS
- NBA
- NAAC
- CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY -PRODDATUR-
- INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
- CBIT - EDC
- INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
- IEEE
- Student Branch CBIT, PRODDATUR





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)





**DEPARTMENT OF MECHANICAL ENGINEERING**

**One Week Work shop**  
**On**  
**CATIA- PRODUCT DESIGN & DRAFTING**

*Date: 29<sup>th</sup> January 2024 to 3<sup>rd</sup> February 2024*



**Report**  
**On**  
**Workshop**

## Report

A workshop has been organized by Department of Mechanical Engineering for the II & III year II semester students on “CATIA-PRODUCT DESIGN & DRAFTING”. The Main objective of the workshop is to transfer the practical knowledge on “CATIA-PRODUCT DESIGN & DRAFTING”. Totally 41 students attended the workshop. The workshop was handled by the APSSDC trainer Mr. Rambabu garu. The six days workshop on “CATIA-PRODUCT DESIGN & DRAFTING” was organized at Chaitanya Bharathi Institute of Technology from 29<sup>th</sup> January 2024 to 3<sup>rd</sup> February 2024 with the association of APSSDC. The workshop is started with the hands of our honorable Principal Dr. G. Sreenivasula Reddy garu along with department of mechanical engineering Faculty members.

## Poster:

**C**  
**B**  
**I**  
**T**

  **ANDHRA PRADESH STATE**  
Skill Development Corporation

 **INSTITUTION'S**  
**INNOVATION**  
**COUNCIL**  
(Ministry of Education Initiative)

**ONE WEEK WORKSHOP**

**29-01-2024 to 03-02-2024**

**on**

**CATIA - PRODUCT DESIGN & DRAFTING**

**Organized by : Department of Mechanical Engineering**

    **CHAITANYA BHARATHI**  
**INSTITUTE OF TECHNOLOGY**  
**-PRODDATUR-**

*Innovating Tomorrow . . .*

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Approved by S.B.T.E. Andhra Pradesh  
Vidya Nagar, Proddatur, 516360, Kadapa (Dist.)  
Ph. 08564-278000, Fax: 08564-278444

**C**  
**B**  
**I**  
**T**



The workshop content is as follows:

Product Design and Drafting by CATIA Course Contents 2023-24

- ❖ *Sketcher*
- ❖ *Part Design*
- ❖ *Assembly*
- ❖ *Drafting*

*Duration: 36 Hrs.*

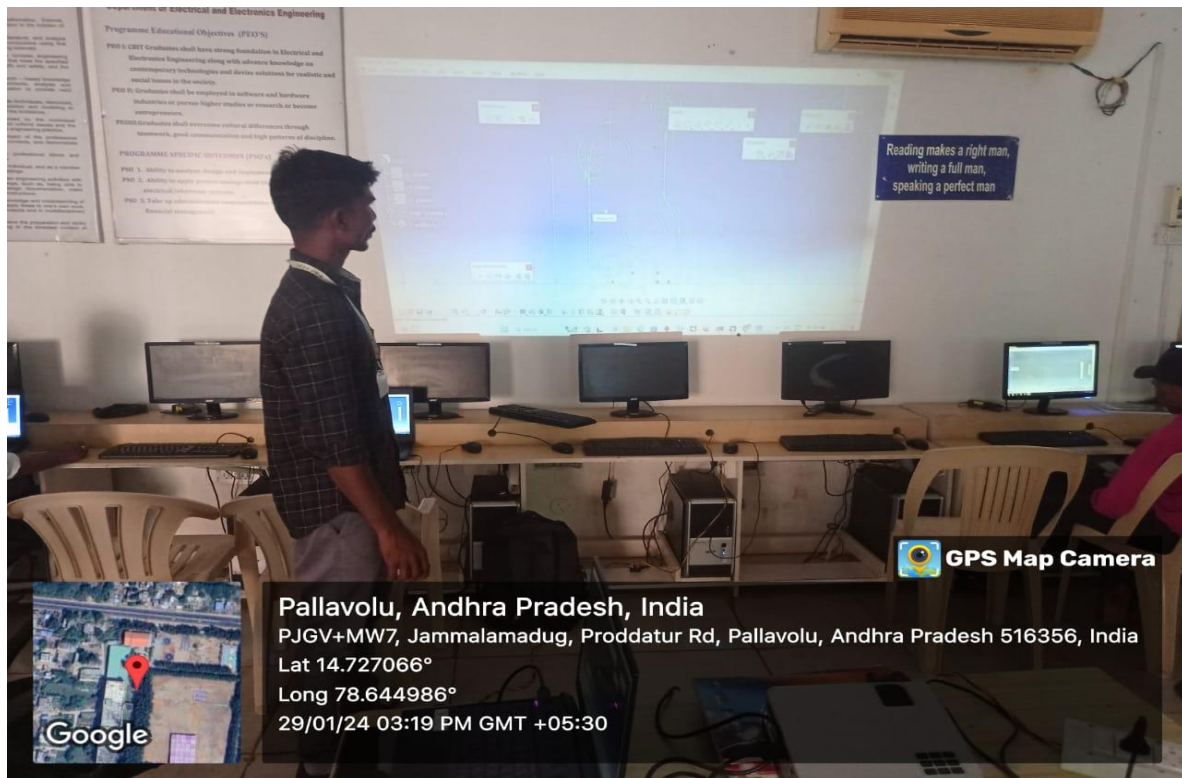
DAY	CONCEPT	CONTENT HIGHLIGHTS & TOPICS TO BE DELIVERED
Day- 1	Introduction to CATIA software & Interface of the software	<ul style="list-style-type: none"><li>● Basic engineering drawings</li><li>● Introduction to software and application criteria in industries</li><li>● Introduction to various domains in Catia Software</li><li>● Software interface and drawing considerations</li><li>● Steps to be considered for designing a product</li></ul>
Day- 2	Introduction to sketcher workbench, sketch creation, modifications, constraining	<ul style="list-style-type: none"><li>● Creating a normal sketch by considering the given dimensions</li><li>● Creating axis systems and sorting out the required toolbars for sketching</li><li>● Options to be set before drawing a sketch i.e for increasing the performance</li><li>● Settings up Views and cube operations for views</li><li>● Creating profiles by using lines, Circles, Rectangles, Splines, and arcs.</li><li>● Modifying profiles by using Trims, Extend, Mirror, Move, Copy, Rotate</li><li>● Simplifying sketch by using pattern operations</li><li>● About Sketch Constraints and making a sketch fully constrained closed sketch</li><li>● Dimensional Constraints &amp; Geometrical Constraints</li><li>● Sketch grids &amp; snap grid along with Sketch tools &amp; Visualization tools</li><li>● Sketch visibility colors, Sketch analysis</li></ul>
Day- 3	Introduction to part design, creating 3d models from 2d sketches	<ul style="list-style-type: none"><li>● Importance of 3d modeling and views associated with 3d models</li><li>● Conversion of Sketches to 3d models by Material Add and Remove.</li><li>● Associating views and drawing sketch to obtain the final 3d models</li><li>● Make use of reference elements like point, Line, Plane</li><li>● Sketch-based features like Extrude, Revolve, Sweep, Multi-section solids</li><li>● Dress-up features like Fillets, Chamfers, Patterns</li><li>● Transformation features like Move, Copy, Rotate, Mirror, Symmetry e.t.c</li></ul>

Day- 4	Creating 3d models by following correct tree structure, boolean operations, Applying the draft analysis to created models	<ul style="list-style-type: none"> <li>● Adding materials properties for 3d models</li> <li>● Using dynamic sectioning features and output features</li> <li>● Draft analysis for created models and measure the inertia and weight</li> <li>● Following proper tree structure for creating the products</li> </ul> <p>Boolean operations</p>
Day- 5	Introduction to assembly, Creating assembly for the 3dmodels	<ul style="list-style-type: none"> <li>● Introduction to assembly interface</li> <li>● Explanation of basic assembly constraints</li> <li>● Applying modification to the assembly constraint by using a manipulation tool</li> <li>● Explanation of Bottom-Up and Top-Down Assembly</li> <li>● Creating complete Bottom-Up Assembly</li> <li>● Creating complete Top Assembly</li> <li>● Benefits Bottom Up and Top Down assemblies</li> <li>● Exploded view for the created assembly</li> </ul>
Day- 6	Introduction to drafting, creating drafting to the 3d models	<ul style="list-style-type: none"> <li>● Creating views of the final assembly on drafting sheet</li> <li>● Creating front view side view and top view &amp; Isometric view of Assembly</li> <li>● Creating dimensions, part numbers, Bill of materials</li> <li>● Title block creation and Broken, auxiliary views creation</li> <li>● Review of all previous sessions followed by a test.</li> </ul>

## Product Design and Drafting using CATIA

CATIA (Computer-Aided Three dimensional Interactive Application) software is a complete multi-platform solution for computer-aided design, manufacturing, engineering, 3D and PLM. Marketed by manufacturer Dassault Systems, in this software the creating solids, surfaces, assemblies, drawings, fabrication and analysis is explained and demonstrated. Like SolidWorks, the program features powerful parametric modeling and photorealistic rendering tools. However, CATIA offers more advanced functionality for surfaces and modules for different industries.

**Design and Drafting:** CATIA is a powerful tool for designing complex parts and assemblies. It allows mechanical engineers to create 3D models and generate 2D drawings with accuracy and precision. It provides tools for sketching, modelling, and drafting that enable the design of components with intricate details.











## Photos :







Pallavolu, Andhra Pradesh Jan 29, 2024, 09:56



GPS Map Camera



Pallavolu, Andhra Pradesh, India  
PJGV+JV2, Pallavolu, Andhra Pradesh 516356, India  
Lat 14.725245°  
Long 78.644841°  
29/01/24 09:52 AM GMT +05:30





HOD

PRINCIPAL



**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 09/02/2024**

**Sub: A report on Workshop on Design thinking - Innovation design -  
Critical thinking.**

**IIC Activity**

**WORKSHOP ON DESIGN THINKING - INNOVATION DESIGN - CRITICAL  
THINKING**

**Date:**09-02-2024

**Place:** CBIT Seminar Hall.

**Time:** 10:00 AM to 4:00 PM

**Targeted Students:** Final Year B.Tech Students.

A Full Day Workshop on “**Design thinking - Innovation design - Critical thinking**”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 09<sup>th</sup> February, 2024. The Programme aims to provide opportunities to Undergraduate Students of Students Innovation Club to augment Knowledge & skills in key areas involved in Design thinking, innovation design & Critical thinking.

The Expert Speaker **Mr. Ambujakshan Nair, Delivery Manager, TCS**, shared his knowledge on the multiple aspects and about Design thinking is a problem-solving and innovation mindset that's based on designers' workflows for mapping out stages of design. It's a non-linear cycle that involves developing a deep understanding of users' needs, questioning assumptions, exploring different perspectives, and generating creative ideas.

**Ms Harshitha, Lead YEP, Bangalore** other Speaker also described the meaning of the Innovative design is something that is new and original. It can also refer to the process of using design methods to address consumer needs. This process can involve creating and applying new ideas, processes, and solutions to improve functionality, enhance user experiences, and address challenges.

**Mr K.Keerthan, State Impact lead, Karnataka** other Speaker also described about Critical thinking refers to the ability to evaluate information and to be aware of biases or assumptions, including your own. Like information literacy, it involves evaluating arguments, identifying and solving problems in an objective and systematic way, and clearly communicating your ideas.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)

The total number of students attended was **208** and **05** faculty members were present during the program. The entire session held in CBIT Seminar Hall, Chaitanya Bharathi Institute of Technology, Proddatur on **09-02-2024**.





**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 16/02/2024

**Sub: A report on Workshop on Entrepreneurship Skill, Attitude and Behaviour**

**IIC Activity**

**WORKSHOP ON ENTREPRENEURSHIP SKILL, ATTITUDE AND BEHAVIOUR**

**Date:** 16-02-2024

**Place:** Lecture Hall - 305.

**Time:** 10:00 AM to 4:00 PM

**Targeted Students:** III Year B.Tech Students.

A Full Day Workshop on “**Entrepreneurship Skill, Attitude and Behaviour**”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 16<sup>th</sup> February, 2024. The Programme aims to provide opportunities to Undergraduate Students of Students Innovation Club to augment Knowledge & skills in key areas involved in Entrepreneurship.

The Expert Speaker **Mr. D. Sivananda Reddy, Innovation Ambassador, Asst. Prof. in Dept of ME** shared his knowledge on the multiple aspects and about Entrepreneurship:

Entrepreneurship is the process of starting and managing a business, or creating economic value, with the goal of generating profit or creating value. Entrepreneurship involves:

- Identifying opportunities: Finding a business opportunity and conducting market research
- Taking risks: Being willing to take calculated risks to establish a venture
- Building a team: Assembling a team to help with the business
- Developing a strategy: Strategizing on financing and marketing
- Creating something new: Bringing a new product or service to market, or improving an existing one



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)

Entrepreneurs are often creative, resilient, and have a problem-solving mindset. They can drive economic growth and contribute to society by solving problems and creating wealth and jobs. Small business entrepreneurship is a type of entrepreneurship that takes place on a local level, without the expectation of wide-scale expansion. Examples include opening a local restaurant, gift shop, or furniture restoration business. Entrepreneur: What It Means to Be One and How to Get Started. Opportunist. Opportunistic entrepreneurs are optimistic individuals with the ability to pick out financial opportunities.

The total number of students attended was **50** and **02** faculty members were present during the program. The entire session held in Lecture Hall - 305, Chaitanya Bharathi Institute of Technology, Proddatur on **16-02-2024**.

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CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY  
-PRODDATUR-

INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

Workshop on

**Entrepreneurship Skill, Attitude and Behaviour Development**

Friday, 16<sup>th</sup> February, 2024, 9:30 AM to 4:30 PM

by

**Mr. D. Sivananda Reddy**

Innovation Ambassador

Asst. Professor, Dept. of ME, CBIT, Proddatur

CBIT

CBIT







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 17/02/2024**

**Sub: A report for a Seminar on “The effective ways to type the text and organize”.**

**Self Driven Activity**

**A SEMINAR ON “THE EFFECTIVE WAYS TO TYPE THE TEXT AND ORGANIZE”**

**Date:**17-02-2024

**Place:** CBIT Seminar Hall

**Time:** 02:00 PM to 3:30 PM

**Targeted Audience:** Teaching Staff of All Departments, CBIT and Ideation Club Students,

A Seminar on “The effective ways to type the text and organize” was organized by Internal Quality Assurance Cell (IQAC) and MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 17<sup>th</sup> February, 2024. The Programme aims to provide opportunities to faculty in writing technical writing like journal paper writing, **writing for patent**, writing text books etc., and improving Knowledge & skills in technical writing areas involved.

The Expert Speaker Mr. V. Srinivasan, Asst. Prof., Department of ECE, CBIT shared his knowledge & experience on the multiple aspects and in writing technical writing like journal paper writing, writing text books etc., and improving Knowledge & skills in technical writing areas involved.

Speaker expressed as Professionals ranging from doctors and engineers to chemists find it necessary to convey complex topics to regular consumers or professionals with less experience. Technical writing describes this process of making complicated information more accessible in the form of reports, product descriptions or instruction manuals. Learning more about this communication style can help you pursue a career that suits your interests and develop the appropriate skills needed for a technical writing job.

Speaker stress on Technical writing is a form of communication that professionals use to convey information about specialized topics. might create content to provide instructions or explain technical concepts regarding environmental regulations, computer applications or medical procedures. Some of the most common industries that rely on technical writing



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)

### About Program:

The total number of students attended was **59** and **117** faculty members were present during the program. The session held in CBIT Seminar Hall, Chaitanya Bharathi Institute of Technology on **17-02-2024**.



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**C**  
**B**  
**I**  
**T**

A Talk  
on

**"The effective ways to type  
the text and organise"**

by

**Mr. V. Srinivasan**  
Assistant Professor, Department of ECE.

**Date: 17 February 2024**

**Venue : Seminar hall**

**Organised by: Internal Quality Assurance cell (IQAC)**



**C**  
**B**  
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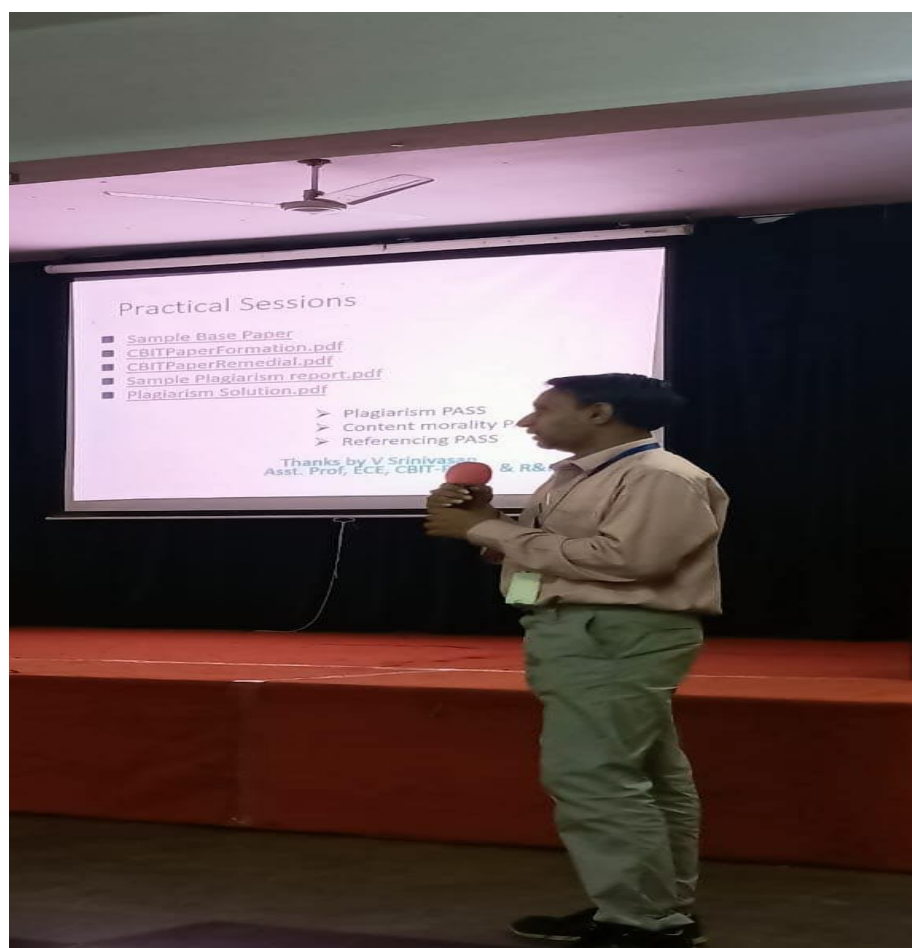


# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 17/02/2024**

**Sub: A report for a Seminar on “Use of End Note in Research Article”.**

**Self Driven Activity**

**A SEMINAR ON “USE OF END NOTE IN RESEARCH ARTICLE”**

**Date:** 17-02-2024

**Place:** CBIT Seminar Hall

**Time:** 03:30 PM to 5:00 PM

**Targeted Audience:** Teaching Staff of All Departments, CBIT and Ideation Club Students,

A Seminar on “Use of End Note in Research Article” was organized by Internal Quality Assurance Cell (IQAC) and MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 17<sup>th</sup> February, 2024. The Programme aims to provide opportunities to students & faculty **in writing technical writing like journal paper writing, writing for patent, writing text books etc., and improving Knowledge & skills in technical writing areas involved.**

The Expert Speaker Dr. V. Mahesh Kumar Reddy, Assoc. Prof., Department of EEE, CBIT shared his knowledge & experience on the multiple aspects and in writing technical writing like journal paper writing, writing text books etc., and improving Knowledge & skills in technical writing areas involved.

Speaker expressed as Professionals ranging from doctors and engineers to chemists find it necessary to convey complex topics to regular consumers or professionals with less experience. Technical writing describes this process of making complicated information more accessible in the form of reports, product descriptions or instruction manuals. Learning more about this communication style can help you pursue a career that suits your interests and develop the appropriate skills needed for a technical writing job.

Speaker stress on Technical writing is a form of communication that professionals use to convey information about specialized topics. might create content to provide instructions or explain technical concepts regarding environmental regulations, computer applications or medical procedures. Some of the most common industries that rely on technical writing



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)

### About Program:

The total number of students attended was **59** and **117** faculty members were present during the program. The session held in CBIT Seminar Hall, Chaitanya Bharathi Institute of Technology on **17-02-2024**.



Innovating Tomorrow... AN ISO 9001:2015 CERTIFIED INSTITUTION

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**A Talk  
on**

**"Use of End Note in Research Articles"**

**by**

**Dr. V. Mahesh Kumar Reddy**  
Associate Professor, Department of EEE

**Date: 17 February 2024**

**Venue : Seminar hall**

**Organised by: Internal Quality Assurance cell (IQAC)**







**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 29/02/2024

**Sub: A report for One day Workshop on “ The Next Dimension: Emerging Trends and Future Directions in VR/AR Technology”.**

**Self Driven Activity**

**A ONE DAY WORKSHOP ON THE NEXT DIMENSION: EMERGING TRENDS  
AND FUTURE DIRECTIONS IN VR/AR TECHNOLOGY**

**Date:**28-02-2024

**Place:** Seminar Hall, CBIT

**Time:** 10:00 AM to 4:30 PM

**Targeted Students:** Members of II B.Tech (CSE, CSE(DS), CSE(AI), CSE(AIML) , III B.Tech (CSE), III B. Tech (CE) & II B. Tech (CE) students

A One Day Workshop on “The Next Dimension: Emerging Trends and Future Directions in VR/AR Technology”, was organized by Department of Civil Engineering & Department of Computer Science & Engineering and MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 28<sup>th</sup> February, 2024. The Programme aims to provide opportunities to Undergraduate Students of Civil Engineering, CSE and its aligned branches to augment Knowledge & skills in key areas involved in the area of VR/AR Technology.

The Expert Speaker Mr. Kumaran Raja, Founder & Managing Director, DSol EduConnect Pvt. Ltd., Chennai, shared his knowledge & experience on the multiple aspects and the many steps involved in the area of VR/AR Technology. Speaker highlighted on **Virtual reality (VR)** and **augmented reality (AR)** are two technologies that are changing the way we use screens, creating new and exciting interactive experiences.

**Virtual reality** uses a headset to place you in a **computer-generated world** that you can explore. **Augmented reality**, on the other hand, is a bit different. Instead of transporting you to a virtual world, it **takes digital images and layers them on the real world around you** through the use of either a clear visor or smart phone.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



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## INSTITUTION INNOVATION COUNCIL (IIC)

The total number of students attended was **515** and **14** faculty members were present during the program in two sessions. The first session was for III B. Tech (CE) & II B. Tech (CE) and II B.Tech (CSE(DS), CSE(AI), CSE(AIML). The second session for II B.Tech (CSE) and III B.Tech (CSE) students, The two sessions held in Seminar Hall, Chaitanya Bharathi Institute of Technology on **28-02-2024**.



Emerging Tomorrow...  
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**INSTITUTION'S INNOVATION COUNCIL**  
(Ministry of HRD Initiative)

### ONE DAY WORKSHOP ON

**"The Next Dimension: Emerging Trends and Future Directions in VR/AR Technology"**

by  
**Mr. KUMARAN RAJA**  
Founder & Managing Director , DSol Global | DSol EduConnect Pvt Ltd, Chennai.

**Date : 28-02-2024**

Organized by  
Department of CIVIL Engineering,  
&  
Department of Computer Science Engineering & Allied Branches : AI, AIML, DS



Pallavolu, Andhra Pradesh Feb 28, 2024, 15:52

## INSTITUTION INNOVATION COUNCIL (IIC)



Pallavolu, Andhra Pradesh, India  
PUGV+89W, Pallavolu, Andhra Pradesh 516356, India  
Lat 14.726464°  
Long 78.644704°  
28/02/24 03:51 PM GMT +05:30  
Google



Pallavolu, Andhra Pradesh, Feb 28, 2024, 10:48



Pallavolu, Andhra Pradesh Feb 28, 2024, 10:51



Pallavolu, Andhra Pradesh Feb 28, 2024, 15:55

### ఆంధ్రనవ్వు

#### సీబీఐటీలో సివిల్, సీఎస్సీపై వర్క్ షాప్

ప్రిన్సిపాల్ శ్రీనివాసులరెడ్డి

చాపాడు, ఫిబ్రవరి 28 (ఆంధ్రనవ్వు): స్థానిక చైతన్య భారతి ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ కళాశాల లో బుధవారం సివిల్, సీ. యస్ సి విభాగాలకు చెందిన విద్యార్థిని, విద్యార్థులకు ఆగ్నేంబిడి రియాలిటీ వర్క్ షాప్ రియాలిటీ పై వర్క్ షాప్ నిర్వహించినట్లు ప్రిన్సిపాల్ డాక్టర్ జి. శ్రీనివాసులరెడ్డి పేర్కొన్నారు. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా చెన్నైకి చెందిన గ్లోబల్ ఎడ్యుకేషన్ కన్సల్టెంట్ లిమిటెడ్ ఫౌండర్ మిస్టర్ కుమారన్ రాజు విచ్చేశారు. వీరితో సహా సివిల్ విభాగానికి చెందిన విద్యార్థులకు టిల్లింగ్ కన్సల్టెంట్ లిమిటెడ్ ద్వారా తెలియజేశారు. కంప్యూటర్ సైన్సు విద్యార్థులకు విఆర్ టెక్నాలజీ యొక్క ఉపయోగం



సమావేశంలో మాట్లాడుతున్న ప్రిన్సిపాల్

గాలు వాటి కోడింగ్ గురించి తెలియజేయడం జరిగింది. ప్రస్తుత మార్కెట్లో పీటీఐ ఎంతో ప్రాధాన్యత కొనసాగుతుందన్నారు. తమ కళాశాల విద్యార్థులకు విఆర్, ఎఆర్ టెక్నాలజీ గురించి వర్క్ షాప్ నిర్వహించడం పట్ల కళాశాల ప్రెజ్డెంట్ డాక్టర్ వి. జయచంద్రారెడ్డి, కళాశాల ప్రిన్సిపాల్ డాక్టర్ జి. శ్రీనివాసుల రెడ్డి తమ సంతకప్తినీ వ్యక్తం చేశారు. ఆనంతరం అతిథిని ఘనంగా సన్మానించారు.

#### సీబీఐటీలో

#### సీవిల్, సీఎస్సీ వర్క్ షాప్

చాపాడు : స్థానిక చైతన్య భారతి ఇన్స్టిట్యూట్ ఆఫ్ టెక్నాలజీ (సీబీఐటీ) కాలేజీలో బుధవారం సివిల్, సీఎస్సీ వర్క్ షాప్ నిర్వహించారు. ఈ సందర్భంగా ఆగ్నేంబిడి రియాలిటీ, వర్క్ షాప్ రియాలిటీపై నిర్వహించిన ఈ వర్క్ షాప్ కు ముఖ్య అతిథిగా చెన్నైకి చెందిన గ్లోబల్ ఎడ్యుకేషన్ కన్సల్టెంట్ లిమిటెడ్ ఫౌండర్ మిస్టర్ కుమారన్ రాజు హాజరయ్యారు. ఈ సందర్భంగా ఈయన మాట్లాడుతూ సివిల్ విభాగంలో విద్యార్థులకు టిల్లింగ్ కన్సల్టెంట్ లిమిటెడ్ ద్వారా వివరించారు. కంప్యూటర్ సైన్సు విద్యార్థులకు వర్క్ షాప్ రియాలిటీ టెక్నాలజీ యొక్క ఉపయోగాలు, వాటి కోడింగ్ గురించి అవగాహన కల్పించారు. ఈ కార్యక్రమంలో సీబీఐటీ ప్రిన్సిపాల్ డా. జి. శ్రీనివాసులరెడ్డి తదితరులు పాల్గొన్నారు.





**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 20/02/2024

**Sub: A report on Achieving Problem - Solution fit & Product - Market fit.**

**IIC Activity**

**ACHIEVING PROBLEM - SOLUTION FIT & PRODUCT - MARKET FIT**

**Date:**20-02-2024

**Place:** MBA Department Seminar Hall, CBIT – Proddatur.

**Time:** 10:30 AM to 12:00 PM

**Targeted Students:** Ideation Club students

A Half Day Seminar on “**Achieving Problem - Solution fit & Product - Market fit**”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 20<sup>th</sup> October, 2022. The Programme aims to provide opportunities to Undergraduate Students of Students Innovation Club to augment Knowledge & skills in key areas involved in Achieving problem solution fit and product to market fit.

The Expert Speaker **Dr. H. Suresh Babu Rao, Innovation Ambassador** shared his knowledge on the multiple aspects and about finding a significant problem and creating a solution. Once this is achieved, businesses can focus on finding their product market fit, i.e., identifying a substantial market for their solution and practices that can be adopted to enhance the student’s abilities in solving critical problems.

Speaker highlighted on how to achieve the product fit:

1. Determine your target customer.
2. Identify underserved customer needs.
3. Define your value proposition.
4. Specify your minimum viable product (MVP) feature set
5. Create your MVP prototype.
6. Test the MVP with real customers.

Speaker also described the meaning of the solution fit product as solution to a problem with customer specific approach not as money making approach, He illustrated, that the first step is identifying the problem and then the customer should be identified which may have usual buying behaviour not willing to change the buying approach or new buying behaviour, willing to





## INSTITUTION INNOVATION COUNCIL (IIC)

try new products and sometimes the usual consumers are forced to adopt to the new solutions. Right solution fit is required to meet all types of consumers. He further stated that consumers these days are open to adopt change and try new solutions and therefore nowadays understanding the consumers habit and be transparent in communication; the more is transparency better would be the solution fit product. He illustrated that the more an entrepreneur thinks as a customer for a solution, better fit would be the solution and its success. He defined a frame work for solution fit as acronym -I (Ideate) D (Developing the content of the idea) E (Engaging the customers to retain them) A (assessing the roadmap and outcome). He defined as product fit not only as a product which is accepted but also is retained. An entrepreneurial ways test the product and do refinements to make it market fit product and enhance the product to make it accepted and retained. Production can be done by systematic manner. Open and quicker approach is required for iteration. He explained that business model and plan are different. He suggested that adopting segregation at each step, for example at identification of problem, action plans, and solutions would help the entrepreneur to develop a market fit product. He summarised that right set of approach for a market fit product involves understanding of a market fit product i.e, acceptable and retained, strategy to develop the product and engaging the customers; and the vision of the organization and scalability

The total number of students attended (Ideation Club students) was **66** and **05** faculty members were present during the program. The entire session held in MBA Department Seminar Hall, Chaitanya Bharathi Institute of Technology, Proddatur on **20-02-2024**.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)





**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 28/02/2024**

**‘National Science Day’ Celebrated by**

Theme 2024: **“Indigenous Technologies for Viksit Bharat”**

**Date:** 28-02-2024

**Place:** Mechanical Department Seminar Hall.

**Time:** 2:00 PM

**Targeted Students:** Ideation Club students.

**About ‘National Science Day’:**

On February 28 each year, National Science Day honours Chandrasekhara Venkata Raman as C.V. Raman, an Indian scientist and physician, for discovering the “Raman Effect.” Every year, it is celebrated to honour the value of science and to serve as a reminder of the influence it has had on humankind’s way of life. In honour of India’s G20 leadership, the event this year has the theme **“Indigenous Technologies for Viksit Bharat”**

Notably: In 1986, the Government of India, under then Prime Minister Rajiv Gandhi, designated February 28 as National Science Day to commemorate the announcement of the discovery of the “Raman Effect”.

The Raman Effect refers to the phenomenon in which when a stream of light passes through a liquid, a fraction of the light scattered by the liquid is of a different colour. This happens due to the change in the wavelength of light that occurs when a light beam is deflected by molecules.

In general, when light interacts with an object, it can either be reflected, refracted or transmitted. One of the things that scientists look at when light is scattered is if the particle it interacts with is able to change its energy. The Raman Effect is when the change in the energy of the light is affected by the vibrations of the molecule or material under observation, leading to a change in its wavelength.

In their first report to Nature, titled **“A New Type of Secondary Radiation,”** CV Raman and co-author KS Krishnan wrote that 60 different liquids had been studied, and all showed the





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Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



## INSTITUTION INNOVATION COUNCIL (IIC)

same result – a tiny fraction of scattered light had a different colour than the incident light. “It is thus,” Raman said, “a phenomenon whose universal nature has to be recognised.”

### About the Program:

The total number of students attended was **63** and **04** faculty members were present during the program. The entire session held in Mechanical Department Seminar Hall, Chaitanya Bharathi Institute of Technology on 28-02-2024.



**Chaitanya Bharathi Institute of Technology**  
(Autonomous)  
NAAC, NBA (CSE, ECE, EEE, CE)

# National Science Day 2024



**Commemorated**  
in the honor of  
**Sir C.V Raman**  
who discovered "Raman Effect"  
on 28th February 1928.

**theme - "Indigenous Technologies for Viksit Bharat"**



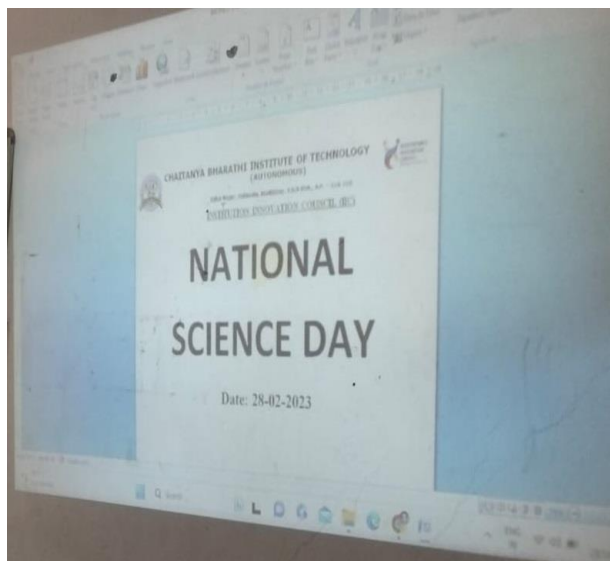
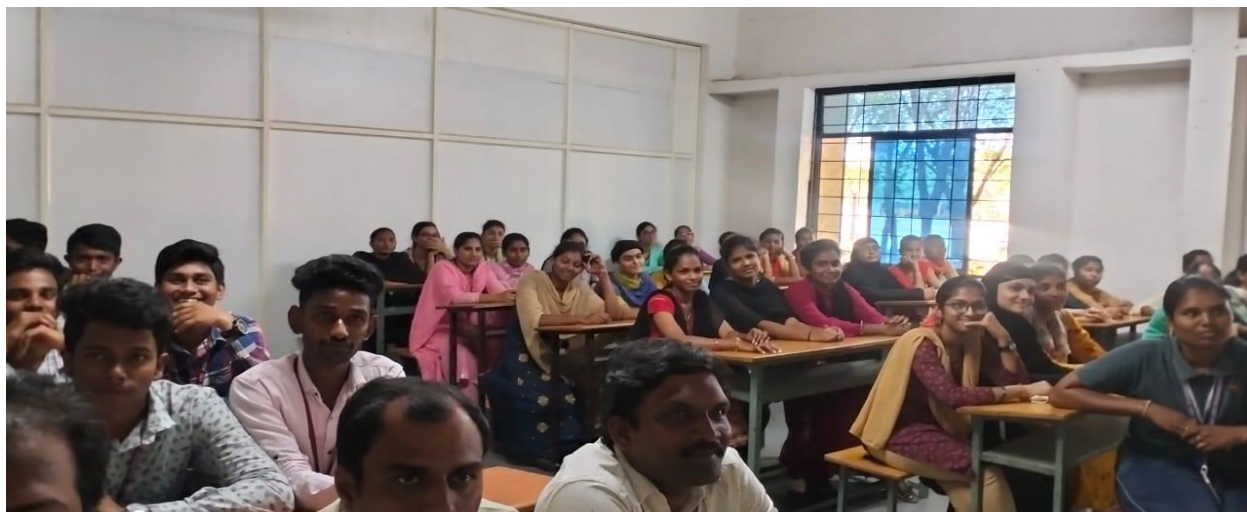


# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)





**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 08/03/2024**

**'International Women's Day' Celebration at CBIT**

**Theme: "Invest in women: Accelerate progress."**

**Date: 08/03/2024**

**Place: CBIT Seminar Hall.**

**Time: 3:00 PM**

**Targeted Students: Students (girls only) and Women staff only.**



**About International Women's Day 2024:**

International Women's Day 2024 celebrated women and addresses issues such as women's equal rights, violence and abuse against women, and reproductive rights. Gender inequality and discrimination are rampant in our societies, and most of the time, women are victims of them. To fight these gender biases and to bring attention to issues such as gender equality, reproductive rights, and violence and abuse against women, International Women's Day is celebrated. It has become a forum to raise awareness and galvanize change in society.

The concept of International Women's Day first emerged in the early 1900s. Women's Day first came into existence in 1909 and it was known as National Women's Day. The day was initially celebrated on 28 February 1909, when 15,000 women marched through New York City demanding shorter hours, better pay, and voting rights.

The total number of girl students attended were 142 and 35 woman faculty members were present during the program. The Program started with the inaugural talk by the Principal, CBIT, followed by various women faculties. Also, various events were conducted on the same day (Forenoon) to lady faculty members in the eve of Women's Day. The entire session held in CBIT Seminar Hall, Chaitanya Bharathi Institute of Technology on 08-03-2024 at 3:00PM.



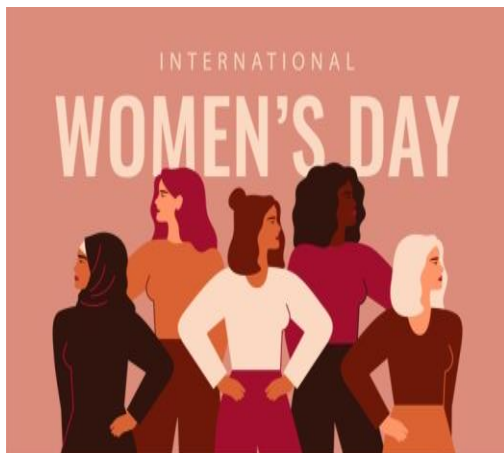


# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

(Autonomous)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu)  
(Accredited by NAAC with "A" Grade and Accredited by NBA (CE, EEE, ECE, CSE))  
(Recognized by UGC under section 2(f) and 12(b) of UGC Act, 1956)  
VIDYA NAGAR, PALLAVOLU (V), PRODDATUR-516360, Y.S.R. (Dt.), A.P

## INTELLECTUAL PROPERTY RIGHT CELL

14-03-2024

### AN EXPERT TALK ON INTELLECTUAL PROPERTY AND PATENTABILITY HELD ON 11-03-2024 REPORT

#### OBJECTIVE OF THE EVENT:

Now-a-days IPR plays very important role for getting authority for their inventions. In this expert talk Faculty are able to understand the concept of IPR. Know the Importance of IPR now-a-days and also described the products are patent granted. This expert talk will make the faculty to:

1. Educate participants on the fundamentals of intellectual property rights (IPR) and patentability.
2. Explore the process of patent application and requirements for securing patents.
3. Discuss the significance of intellectual property protection in fostering innovation and economic growth.
4. Provide insights into the role of patents in safeguarding inventions and promoting technological advancement.
5. Facilitate interactions with experts to address queries and encourage proactive engagement with intellectual property issues.

#### BENEFICIARIES OF THE EVENT:

The expert talk on intellectual property and patentability offers numerous benefits to participants. Firstly, it provides invaluable knowledge and insights into the complex world of intellectual property rights (IPR) and patent processes, empowering individuals with the information needed to protect their innovative ideas and creations. Secondly, attendees gain a deeper understanding of the significance of intellectual property protection in fostering innovation, which can inspire them to generate and develop new ideas with confidence. Additionally, the opportunity to engage with experts in the field allows participants to seek clarification on any doubts or questions they may have, enabling them to make informed decisions regarding intellectual property matters. Overall, this expert talk equips individuals with the tools and understanding necessary to navigate the realm of intellectual property effectively, ultimately promoting innovation and creativity.

#### ABOUT RESOURCE PERSON:

Mr. Jothi Murugan is a Registered Patent & Trademark Agent for Indian Patent office and proprietor of an Intellectual property firm 'INVENIRE'. "Invenire" mainly supports for protecting Intellectual property Rights such as patent filing, Trademark protection, Industrial Design Registration and software copyright protection.



Mr. Jothi Murugan is also a Start-up IP mentor, Startup & NIPAM facilitator, and IP consultant for many startups and industries. Jothi Murugan has pursued Bachelor of Technology, Master of Business Administration in India and pursued Master of Science at Germany. He has around 25 years of Industrial Experience in various fields like Research & Development, Product Development, Production and Quality management and Intellectual Property Rights. He is also an Inventor and filed 35 Indian patent applications, 7 International patent applications, and 12 design patents for his various inventions. Also, he has supported to file more than 300 patent applications for his various clients. 'ROBOTEX' is another Startup firm for selling the inventions to various manufacturing companies all over the world.

### **ABOUT THE PROGRAMME:**

IPR Cell in Association with IIC, has organized an “**Expert Talk on Intellectual Property and Patentability**” for CBIT faculty members on 11.03.2024 through online mode from 11:00 AM to 12:30 PM.

Zoom link: <https://us06web.zoom.us/j/83991236235?pwd=NXFY6qn3P1xbtbSCgPDntPHDHTH9WB.1>

Meeting ID: 839 9123 6235

Passcode: 040711

### **INAUGURATION OF PROGRAMME:**

The programme was organized by the IPR Cell Coordinator Ms. V. Sai Neeraja (Ph. D), CBIT.

The Guest speaker detailed in their speech about the IP and Creation of Patents required for a faculty to excel in academics as well as research. The resource person shared his knowledge as per in the trends of industry and inculcate research culture for the self-growth and institutional growth. The guest speaker stressed the importance of IP and Creation of Patents. The expert also motivated the participants with their career and life experiences to strengthen themselves mentally and intellectually. It was an interactive session exchanging the knowledge. The program was successfully completed by the presence of entire teaching faculty from CBIT.

The Programme was ended with Vote of Thanks to the Guest of the day by the coordinator of the program.

\*\*\*\*

### **Glimpses of the Programme**



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Approved by AICTE, New Delhi & Affiliated to JNTU, Anandrapuram | Ph: 0874-2511111 | Email: info@cbit.ac.in

**INSTITUTION'S INNOVATION COUNCIL**

**CBIT**

An Expert talk  
on  
**Intellectual property and Patentability**

Resource person:  
**Mr. Jothi Murugan**  
Registered Patent & Trademark Agent,  
NIPAM Facilitator.

Date: 11/03/2023  
Time: 11 AM-12:30 PM  
Venue: Zoom Platform

Organised by: Ms.V.Sai Neeraja (Ph.D), IPR Coordinator

**CBIT**



**VUTUKURU SAL...**

**invention**

**innovation**

invented on - 1994

inventor - Masahiro Hara

employee of a Japanese automotive company called Daihatsu Wave.

**VUTUKURU SAL...**

**Example**

1979

1985

1993

2001

**VUTUKURU SAL...**

**Legal right**

**What for?**

Patents

Copyright

Trade marks

Registered designs

New inventions

Original creative or artistic forms

Distinctive identification of products or services

External appearance

Google

**VUTUKURU SAL...**

**Espacenet**

**Patent Search**

Original document: US2023421849 (A1) — 2023-12-28

Hand-held MRI field imaging probe

United States Patent Application Publication

Pub. No. US 2023-421849 A1

Pub. Date: Dec. 28, 2023

**VUTUKURU SAL...**

**infASS**

**Patent Search**

Patent E-register

Application Status

Help

Patent Search Field

Patent E-register

Application Status

Help

**VUTUKURU SAL...**

**Dr. Prasanna**

**Dr. Uma Devi**

**Anita Subitha**

**Dr. Prasanna**

**Dr. Uma Devi**

**Anita Subitha**

**Dr. Prasanna**

**Dr. Uma Devi**

**Anita Subitha**

**VUTUKURU SAL...**

**Design Number**

**Design**

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**Design**

**VUTUKURU SAL...**

**Roadmap**

RESEARCH

IDEA SCREENING

PATENT DRAFTING & FILING

PROSECUTION

PATENTABILITY ANALYSIS

EXAMINATION

GRANT / REFUSAL



## Participants List

S.NO	Name of the participant	Department	DESIGNATION
1	DR.G. SREENIVASULA REDDY	CSE	PRINCIPAL
2	DR. PRASANNA	-	DIRECTOR
3	SRUTHI SAROGAN	CE	HOD
4	DR.M.L. KIRAN	ECE	HOD
5	DR.Y. DASRADH RAM REDDY	CSE	HOD
6	G. SREENIVASA REDDY	CSE	HOD
7	DR.R.UMA DEVI	MBA	HOD
8	V SAI NEERAJA	CE	IPR COORDINATOR
9	AJAY	ECE	ASSISTANT PROFESSOR
10	AKULA SUBHAKESHAVULU	CE	ASSISTANT PROFESSOR
11	ANURADHA	CE	ASSISTANT PROFESSOR
12	AVULA SUCHITRA	H&S	ASSISTANT PROFESSOR
13	B. PAVAN KUMAR	H&S	ASSISTANT PROFESSOR
14	B. NAGAVENI	MBA	ASSISTANT PROFESSOR
15	JESTADI PRASANTHI	H&S	ASSISTANT PROFESSOR
16	A. SRINIVASULU	CE	ASSISTANT PROFESSOR
17	DR.P. NARESH	MECH	ASSISTANT PROFESSOR
18	DR. ASLAM SHAIK	EEE	ASSISTANT PROFESSOR
19	A UDAYA SANDHYA	ECE	ASSISTANT PROFESSOR
20	K. CHANDRA SEKHAR	ECE	ASSISTANT PROFESSOR
21	K. KEERTHI	EEE	ASSISTANT PROFESSOR
22	IMAM BASHA SK	ECE	ASSISTANT PROFESSOR
23	MUBEEN NAYAB	ECE	ASSISTANT PROFESSOR
24	NAAZMA	ECE	ASSISTANT PROFESSOR
25	NAGARJUNA PEYYALA	EEE	ASSISTANT PROFESSOR
26	PRAVEEN KUMAR REDDY	EEE	ASSISTANT PROFESSOR
27	R. RAGHUNATH REDDY	MEC	ASSISTANT PROFESSOR
28	S. FAKRULLA	MBA	ASSISTANT PROFESSOR
29	SHAIK NAFISA AFREEN	CSE	ASSISTANT PROFESSOR
30	RASOOL BASHA	CE	ASSISTANT PROFESSOR
31	SUMALATHA M	EEE	ASSISTANT PROFESSOR
32	B. SURESH BABU	CSE	ASSISTANT PROFESSOR
33	C.MOHAMMED ASLAM	ECE	ASSISTANT PROFESSOR
34	DR.C. GANGAIAH YADAV	ECE	ASSISTANT PROFESSOR
35	C VENKATA NARASIMHA	CSE	ASSISTANT PROFESSOR

  
CO-ORDINATOR

  
PRINCIPAL



**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 26/04/2024**

**'World Intellectual Property Rights Day-2024' Celebration at CBIT**

Theme: “IP and the SDGs: Building Our Common Future with Innovation and Creativity”

**Program Details: Conducted by CBIT's Mentor Institution –**

**Sri Padmavathi Mahila Viswavidyalam, Tirupati**

**Date: 25/04/2024**

**Mode: Online**

**Time: 9:00 AM**

**Targeted Students: EDC & IIC Student members and faculty (IIC council members only).**

**About World Intellectual Property Rights Day - 2024:**

Every year the world celebrates “World Intellectual Property Day” on April 26 which aims to spread awareness about intellectual property (IP) rights and how it encourages innovation and creativity to drive human progress. The World Intellectual Property Office (WIPO) established this day in 2000.

This day marks the opportunity to educate people on the need for IP protection to protect the creator's rights and copyright as well as the public interest. Let's dive deeper into World Intellectual Property Day 2024 and learn its history and significance.

The WIPO came into existence in 1883 when the Paris Convention for the Protection of Industrial Property was signed. The convention was held to protect the Intellectual Property protections for inventors, trademarks and industrial designs. In 1970, the Convention establishing the World Intellectual Property Organisation entered into force, creating WIPO, which was the UN specialised agency in 1974.

WIPO is a specialised agency of the United Nations that works to promote the protection and advancement of intellectual property worldwide. The WIPO Convention, which came into force in 1970, provides a framework for cooperation among member states in the areas of intellectual





**INSTITUTION INNOVATION COUNCIL (IIC)**

property law, the registration of intellectual property, and the protection of intellectual property rights.

WIPO worked in the direction to promote the protection and advancement of Intellectual property across the world. The WIPO Convention provides a framework for cooperation among member states in the area of intellectual property law and intellectual property rights protections.

WIPO also provides various other services and resources aiming to promote intellectual property awareness and IP protection benefits. It includes registration and protection of intellectual property, the resolution of transboundary intellectual property disputes and the development of uniform standards and infrastructure for intellectual property protection.

World Intellectual Property Day is an opportunity for both inventors and creators for people across the world to promote IP solutions that shape the world. This day aims to educate people on the various ways of safeguarding intellectual property such as patents, trademarks, copyrights and others. As per WIPO, World IP Day 2024 is an opportunity to know how intellectual property encourages and amplifies the innovative and creative solutions which are so crucial to building a common future.

**As Celebration Activity:**

On **25/04/2024**, The Sri Padmavathi Mahila Viswavidyalam (SPMVV), Tirupati is mentor institute of our college (Chaitanya Bharathi Institute of Technology, Proddatur) has organized celebration activity **“Orientation Program on Intellectual Property Rights”** by Dr. S. Madhuri Paradesi, Assoc. Prof. and Head of Dept. of Law, SPMVV, Tirupati, A.P., The **42** students of EDC & IIC members along with **07** faculty members have attended the program in online mode.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



SRI PADMAVATI MAHILA VISVAVIDYALAYAM (Women's University)  
Tirupati, Andhra Pradesh  
Accredited with "A+" Grade by NAAC  
**Institution's Innovation Council (IIC)**  
Organizing

**Orientation programme on Intellectual Property Rights**

**Resource Person**  
**Dr.S.Madhuri Paradesi, Associate Professor & Head, Dept. Of Law, SPMVV**

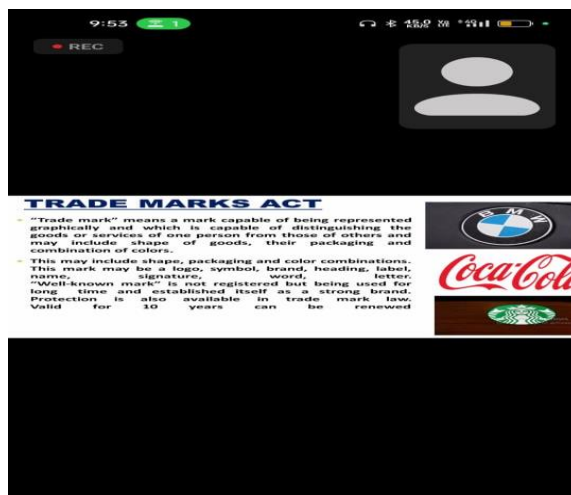
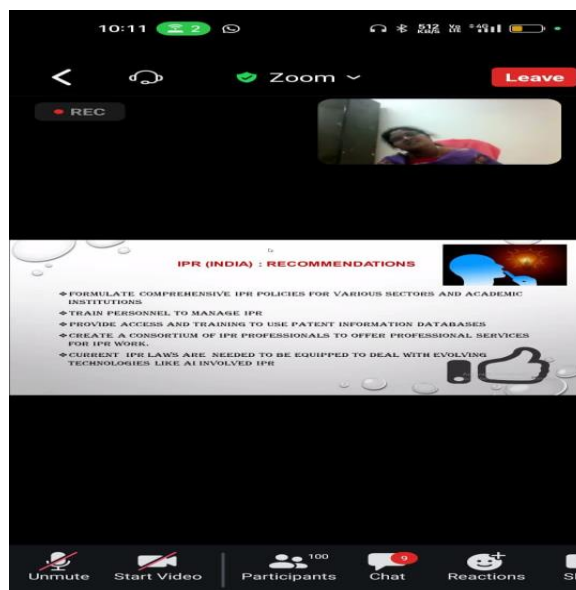
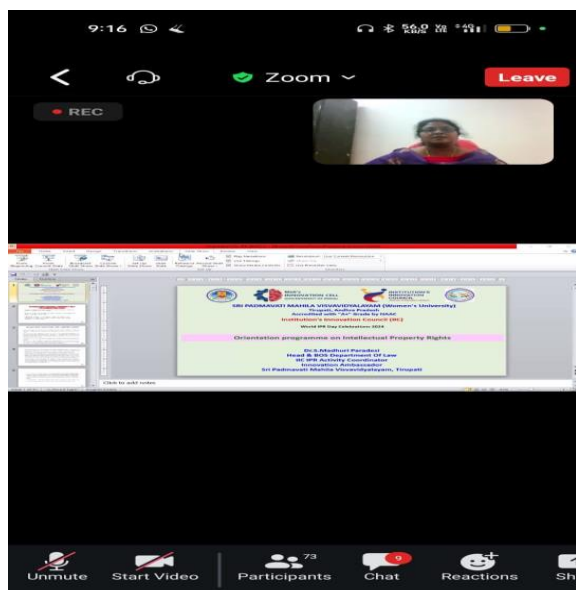
**Date: 25 April 2024** **Time: 9.00AM**

<b>Prof.R.Nagaraju</b> Mentor Mentee Coordinator IIC Vice President, SPMVV	<b>Prof.G.Rajitha</b> IIC Convenor, SPMVV	<b>Dr.G.Latha</b> IIC Co-Convenor, SPMVV
<b>Dr.B.Vishali</b> IIC Mentor Mentee Co-Coordinator, SPMVV	<b>Dr.V.Ramakrishna</b> IIC Mentor Mentee Co-Coordinator, SPMVV	

**Registration Link: <https://forms.gle/XnYTm8fYkTnP8EHH6>**



[www.svcop.in](http://www.svcop.in)



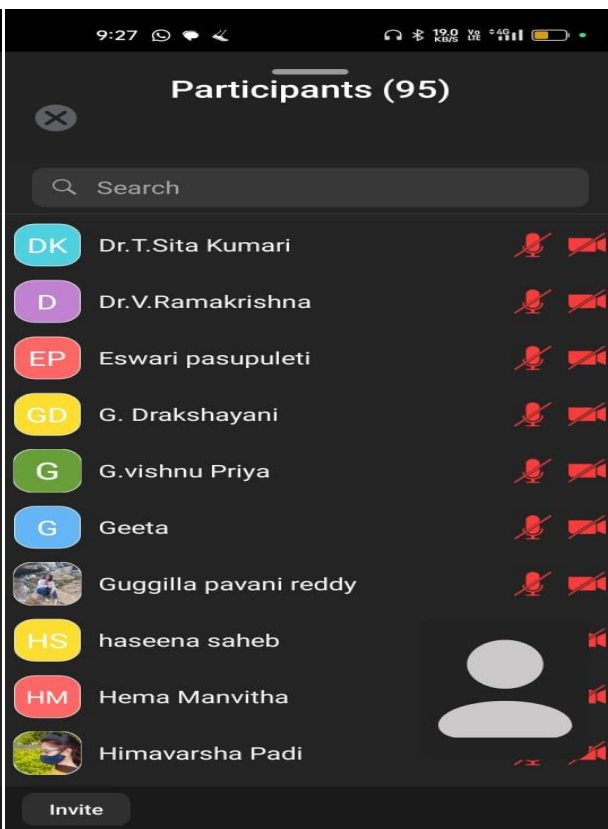
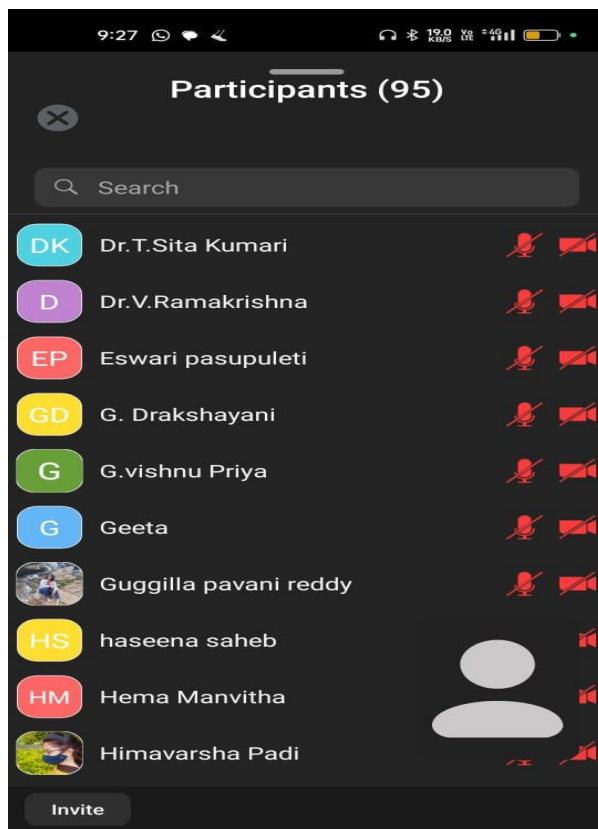
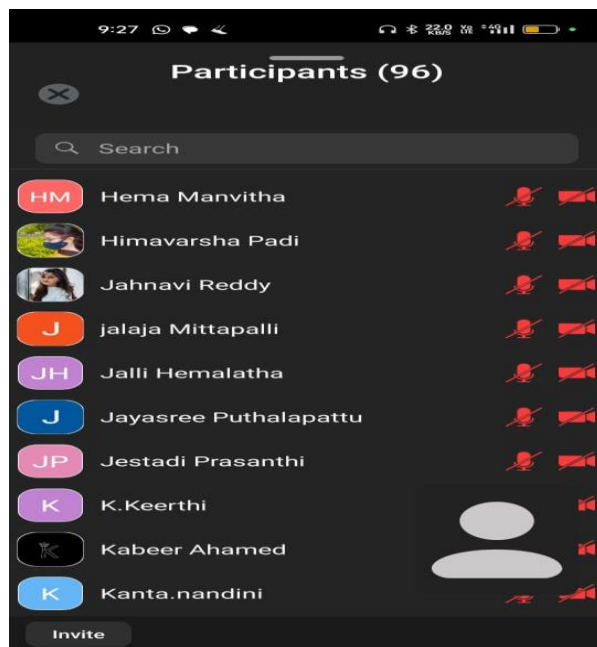
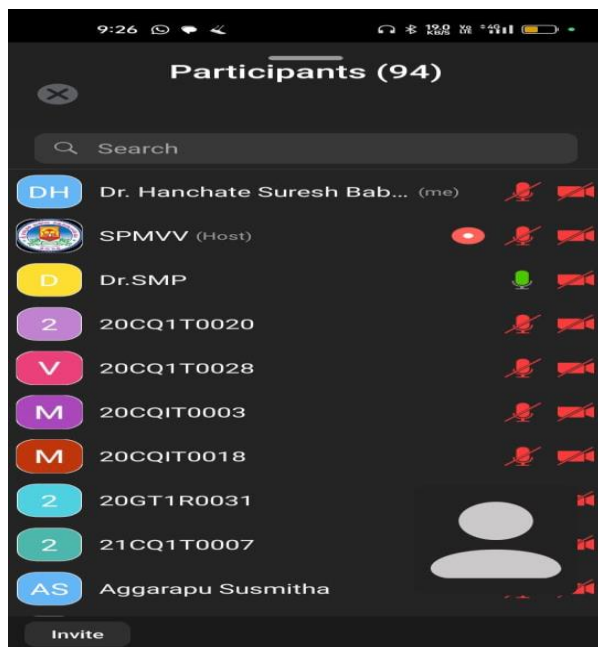


# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 25/04/2024**

**Sub: A report on An Orientation Program on “Innovation, Intellectual Property Rights & Startup”.**

**Self Driven Activity**

**AN ORIENTATION PROGRAM ON “INNOVATION, INTELLECTUAL PROPERTY RIGHTS & STARTUP”**

**Date:**25-04-2024

**Place:** Seminar Hall C-102, CBIT, Proddatur

**Time:** 2:30 PM to 4:30 PM

**Targeted Students:** Members of II, III B.Tech students.

An Orientation Program on Innovation, Intellectual Property Rights & Startup, was organized by CBIT – IPR & MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 25<sup>th</sup> April, 2024.

The Expert Speakers Dr. R. Uma Devi, EDC Coordinator & Professor - Head of Department of MBA, CBIT, Proddatur and Dr. S. Sruthi, Assoc. Professor & Head of Department of Civil Engineering shared their knowledge & experience on the Innovation, IPR & Startups. And the program was co-ordinated by Ms. V. Sai Neeraja, IPR Co-ordinator & Assoc. Professor, Department of Civil Engineering.

Speaker Dr. R. Uma Devi highlighted on Innovation in engineering is about thinking outside the box and creating creative solutions to complex problems. Engineers constantly push the boundaries of what is possible, using their knowledge and expertise to develop new technologies and improve existing ones. Innovation in engineering design refers to the unique ideas engineers develop to solve technological, engineering, and business-related issues for enterprises like yours. The process often helps organizations adapt, innovate, and enter new niche markets.

And Dr. S. Sruthi highlighted on Intellectual property rights (IPR) refers to the legal rights given to the inventor or creator to protect his invention or creation for a certain period of time. These legal rights confer an exclusive right to the inventor/creator or his assignee to fully utilize his invention/creation for a given period of time. Also, highlighted on start-ups, present day



## INSTITUTION INNOVATION COUNCIL (IIC)

scenario, and there has been a rapid growth in the number of start-ups from 2014 to 2023. This growth has been fueled by factors like rising internet and smart phone penetration, government support, access to funding, evolving tech landscape and a young tech-savvy population. India has experienced a surge in startups and funding, with over 16,000 new tech companies added in 2020. Despite funding obstacles, investment firms have shown confidence in Indian startups, with a total funding of \$8.4 billion in 2023. India's startup ecosystem soars with unprecedented growth and funding.

The total number of students attended was **68** and **4** faculty members were present during the program. The entire session held in Seminar Hall C-102, Chaitanya Bharathi Institute of Technology on 25-04-2024.

The poster is for an Orientation Programme on Innovation, Intellectual Property Rights and Start up. It features the Chaitanya Bharathi Institute of Technology logo at the top, followed by the title of the programme. Below the title, it lists the resource persons: Dr. Uma Devi, EDC Coordinator and Associate Professor, HOD of MBA, and Dr. S. Sruthi, Associate Professor, HOD of CE. The date is 25.04.2024, the time is 2.30 PM To 3.30 PM, and the venue is C-102. The programme is organized by Ms.V.Sai Neeraja (Ph.D), IPR Coordinator. The poster is flanked by large vertical letters 'C B I T' on both sides.

**Orientation Programme  
On  
Innovation, Intellectual Property Rights  
and Start up**

**Resource Persons**  
**Dr. Uma Devi, EDC Coordinator and Associate  
Professor, HOD of MBA**  
**and**  
**Dr. S. Sruthi, Associate Professor, HOD of CE**

**Date: 25.04.2024 Time: 2.30 PM To 3.30 PM**  
**VENUE: C-102**  
**Organised by: Ms.V.Sai Neeraja (Ph.D), IPR Coordinator**





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 20/05/2024**

**IIC Activity**

**A Session on “Business Model Canvas (BMC)”**

**Date:** 20-05-2024

**Place:** Seminar Hall, CBIT – Proddatur.

**Time:** 09:00 AM to 05:00 PM

**Targeted Students:** II & III B.Tech students

A Half Day Seminar on “**Business Model Canvas**”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 20<sup>th</sup> May, 2024. The Programme aims to provide opportunities to Undergraduate Students of Students Innovation Club to augment Knowledge & skills in key areas involved in Business Models.

The Expert Speaker **Dr. G. Sreenivasula Reddy**, Innovation Ambassador, Principal, Chaitanya Bharathi Institute of Technology, Proddatur shared his knowledge & experience on the steps involved in Entrepreneurship. He further elaborated on the business model canvas is a tool designers use to map out a business or product's key actors, activities and resources, the value proposition for target customers, customer relationships, channels involved and financial matters. It gives an overview to help identify requirements to deliver the service and more.

Speaker highlighted on the business model canvas forces you to think beyond your product. When you envision how you will sell your product, what type of resources you need as well the different customer segments you can serve, and the business becomes lucid. Documenting it gives you the clarity when you talk to your customers. To compare and contrast four popular types of business model canvases: the Lean Canvas, the Value Proposition Canvas, the Social Business Model Canvas, and the Platform Business Model Canvas. Key resources are the primary inputs that a business requires to operate, create value for its customers, and achieve its objectives. These resources can be tangible or intangible, such as human capital, financial assets, physical infrastructure, or intellectual property.

In the program, the **team conducted activities along with the team of Innovation Ambassadors of CBIT** to the students and faculty regarding the topic.



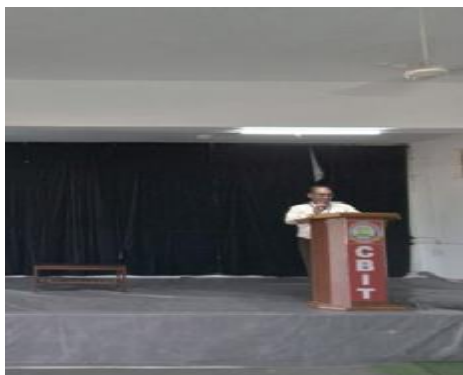
# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)

The total number of students attended was **105** and **25** faculty members were present during the program. The entire session held in CBIT Seminar Hall, Chaitanya Bharathi Institute of Technology on 20-05-2024.





**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 25/05/2024

**Sub: A report for One day Workshop on Strategic Communication and Soft Skills Development.**

**Self Driven Activity**

**A ONE DAY WORKSHOP ON STRATEGIC COMMUNICATION AND SOFT  
SKILLS DEVELOPMENT**

**Date:**25-05-2024

**Place:** CBIT Seminar Hall, CBIT, Proddatur

**Time:** 9:30 AM to 4:30 PM

**Targeted Students:** Members of I B.Tech students & Staff.

A One Day Workshop on “Strategic Communication and Soft Skills Development”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 25<sup>th</sup> May, 2024.

The Expert Speakers Prof. V.B. Chithra, Department of English & Director of Women Empowerment, JNTUA, Anantapuramu and Dr. B. Susheela, Soft Skills Trainer, Anantapuramu shared their knowledge & experience on the multiple aspects and the many steps involved in the area of strategic communication. Speaker Prof. V.B Chithra highlighted on Strategic communications is a specialized approach to distributing and receiving information. It means communicating the best message, through the correct channels, to the right people, at the right time and using feedback from this process to stay focused on company goals. And Dr.B.Susheela highlighted about soft skill are social abilities that enable us to interact effectively with others, and they play a vital role in our ability to communicate, collaborate, and solve problems. Soft skills can help us build strong relationships, manage our time effectively, and stay motivated.

The total number of students attended was **42** and **125** faculty members were present during the program. The entire session held in Seminar Hall, Chaitanya Bharathi Institute of Technology on 25-05-2024.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)



Pallavolu, Andhra Pradesh, May 25, 2024, 10:43





**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 25/05/2024**

**Sub: A report for Awareness Program on Gender issues and Sensitization.**

**Self Driven Activity**

**AWARENESS PROGRAM ON GENDER ISSUES AND SENSITIZATION**

**Date:**25-05-2024

**Place:** CBIT Seminar Hall, CBIT, Proddatur

**Time:** 3:30 AM to 5:00 PM

**Targeted Students:** Student members of CBIT - EDC & Ist Year B.Tech & Staff.

An Awareness Program on Gender issues and Sensitization was organized by Women Empowerment Cell, CBIT & Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 25<sup>th</sup> May, 2024. The Programme aims to provide Awareness Program on Gender issues and Sensitization.

The Expert Speakers Prof. V.B. Chithra, Department of English & Director of Women Empowerment, JNTUA, Anantapuramu. She has expressed her view on Gender sensitization, as it is the process teaching of gender sensitivity and encouragement of behavior modification through raising awareness of gender equality concerns. In other words, it is the process of making people aware of gender equality or the lack of to the need to eliminate gender discrimination. Speaker Prof. V.B Chithra highlighted on objectives of women empowerment like:

- 1) To develop the self-confidence of women in building their capacity.
- 2) Training the women to impart knowledge of opportunities and resources available to get backing support.
- 3) To educate girl students on women specific health issues and measures to be taken.

The total number of students attended was **42** and **125** faculty members were present during the program. The entire session held in Seminar Hall, Chaitanya Bharathi Institute of Technology on 25-05-2024.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



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## INSTITUTION INNOVATION COUNCIL (IIC)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY**  
ANANTHAPURAM

**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY**  
-PRODDATUR-

Recognized by UGC under the section 3(1) & 12(B) of UGC Act, 1956  
Approved by NAAC & NBA (CPE, CPEE & CPEI)  
Approved by AICTE, New Delhi, Affiliated to JNTUA, Anantapur,  
Approved by S.R.T.T. Andhra Pradesh  
Vidya Nagar, Proddatur, 15000, Andhra Pradesh (India)  
Ph. 08644-516360, Fax: 08644-516344

**DIRECTORATE OF WOMEN EMPOWERMENT, JNTUA**  
&  
**WOMEN EMPOWERMENT CELL, CBIT**  
Organizes  
Awareness programme on  
**GENDER ISSUES & SENSITIZATION**  
25<sup>th</sup> May 2024  
**Prof.V.B.Chithra** Director Women Empowerment JNTUA  
**Dr.R.Rekha Rani** Co-ordinator  
**Dr.G.Sreenivasula Reddy** Principal









**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 05/06/2024**

**An Awareness Program on 'World Environmental Day-2024'**

Theme: **"Land Restoration, Desertification and Drought Resilience."**

Program Details: **Conducted by CBIT – National Service Scheme(NSS) & IIC.**

Date: **05/06/2024**

Venue: **CBIT Seminar Hall, CBIT, Proddatur.**

Time: **02:30 PM**

Targeted Students: **I B.Tech (CSE, CSE-AI, CSE-AI&ML, EEE, ECE, ME, CE)**

**About World Environmental Day - 2024:**

5 June is World Environment Day, established by the United Nations General Assembly in 1973, World Environment Day is the largest international event focused on the environment, coordinated by the UN Environment Programme (UNEP). Millions of people from governments, businesses, civil society, and educational institutions participate annually to raise awareness and take action on environmental issues, aiming to protect the planet's future.

The theme for 2024, emphasizes the importance of restoring land, combating desertification, and enhancing resilience to drought.

Currently, up to 40% of the world's land is degraded, impacting around 3.2 billion people globally due to desertification. Moreover, projections suggest that by 2050, over three-quarters of the world's population will be affected by drought. This year's World Environment Day precedes the United Nations Convention to Combat Desertification (UNCCD) COP16, which will be held in December 2024 in the United Kingdom. This conference is anticipated to be the largest-ever international gathering on land and drought.

Human-induced environmental damage is escalating, with serious consequences such as climate change, ecosystem loss, and land desertification. It is our duty as the current generation to protect the environment and restore land and nature to their natural state.

Led by the United Nations Environment Programme (UNEP) and held annually on 5 June since 1973, World Environment Day is the largest global platform for environmental public outreach and is celebrated by millions of people across the world. In 2024, it is hosted by Saudi Arabia.

Time is running out, and nature is in emergency mode. To keep global warming below 1.5°C this century, we must halve annual greenhouse gas emissions by 2030. Without action, exposure to air pollution beyond safe guidelines will increase by 50 per cent within the decade and plastic waste flowing into aquatic ecosystems will nearly triple by 2040.



**INSTITUTION INNOVATION COUNCIL (IIC)**

**About the Activity:**

On **05/06/2024**, an awareness program has been conducted to 1<sup>st</sup> B.Tech students on World Environmental Day – 2024 at CBIT Seminar Hall, CBIT, Proddatur (conducted by NSS & IIC). The speakers

1. Dr. Lakshmi Kiran (HOD, Dept. of ECE) enlightened the students with topic “Land Conservation”
2. Dr. S. Sadik (Assoc. Prof., Dept. of H&S) shared valuable insights on topic “Sustainable Practices”
3. Mr. N. Varaprasad (HOD, Dept. of EEE) emphasized on the topic “Bio-Diversity” and
4. Mrs. M. Lakshmi Madhuri (HOD, Dept. of CSE-AI) highlighted on the importance of “Water Conservation”

And the entire program was coordinated by Mr. P. Nagarjuna, NSS Coordinator (Asst. Prof., Dept of EEE) and the students taken oath to protect the Earth's Environment. The **213** students with **05** faculty members have attended the program.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)







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## INSTITUTION INNOVATION COUNCIL (IIC)





**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 05/06/2024**

**An Awareness Program on 'International Yoga Day-2024'**

Theme: **"Yoga for Self and Society."**

Program Details: **Conducted by CBIT – National Service Scheme(NSS) & IIC.**

Date: **21/06/2024**

Venue: **CBIT Seminar Hall, CBIT, Proddatur.**

Time: **10:30 AM**

Targeted Students: **I & II B.Tech (CSE, CSE-AI, CSE-AI&ML, EEE, ECE, ME, CE)**

**About International Yoga Day-2024:**

Every year, June 21 is marked as the day of the summer solstice in the northern hemisphere of the world. Recognizing its universal appeal, on 11 December 2014, the United Nations proclaimed 21 June as the International Day of Yoga by resolution 69/131. The International Day of Yoga aims to raise awareness worldwide of the many benefits of practicing yoga.

**Yoga for Self and Society:** This year marks the 10th International Day of Yoga with the theme "Yoga for Self and Society." Yoga, a transformative practice, represents the harmony of mind and body, the balance between thought and action, and the unity of restraint and fulfillment. It integrates the body, mind, spirit, and soul, offering a holistic approach to health and well-being that brings peace to our hectic lives. Its power to transform is what we celebrate on this special day.

Yoga is an ancient physical, mental and spiritual practice that originated in India. The word 'yoga' derives from Sanskrit and means to join or to unite, symbolizing the union of body and consciousness. Today it is practiced in various forms around the world and continues to grow in popularity. Recognizing its universal appeal, on 11 December 2014, the United Nations proclaimed 21 June as the International Day of Yoga by resolution 69/131. The International Day of Yoga aims to raise awareness worldwide of the many benefits of practicing yoga. The draft resolution establishing the International Day of Yoga was proposed by India and endorsed by a record 175 member states. The proposal was first introduced by Prime Minister Narendra Modi in his address during the opening of the 69th session of the General Assembly, in which he said: "Yoga is an invaluable gift from our ancient tradition. Yoga embodies unity of mind and body, thought and action ... a holistic approach [that] is valuable to our health and our well-being. Yoga is not just about exercise; it is a way to discover the sense of oneness with yourself, the world and the nature."

The resolution notes "the importance of individuals and populations making healthier choices and following lifestyle patterns that foster good health." In this regard, the World Health Organization has also urged its member states to help their citizens reduce physical inactivity, which is among the top ten leading causes of death worldwide, and a key risk factor for non-communicable diseases, such as cardiovascular diseases, cancer and diabetes.



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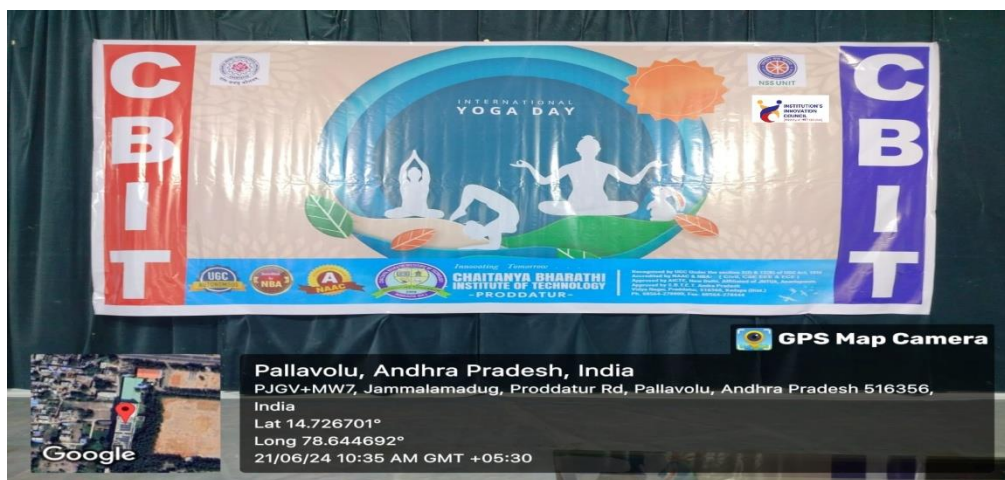


Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360

## INSTITUTION INNOVATION COUNCIL (IIC)

### About the Activity:

On **21/06/2024**, an awareness program has been conducted to 1<sup>st</sup> B.Tech students on International Yoga Day – 2024 at CBIT Seminar Hall, CBIT, Proddatur (conducted by NSS & IIC). The speaker Mr. T. Siva Prasad, Associate Professor in Mech. Engineering, CBIT, Proddatur, enlightened the students with topic “Importance of Yoga in our Daily Life.” Also, demonstrated few yoga asanas to the students and faculty. Meeting started by Dr. G. Sreenivasula Reddy, Director (Admin) and Dr. S. Sruthi, Principal and P. Ramesh, Associate Professor, addressing importance of yoga. And the entire program was coordinated by Mr. P. Nagarjuna, NSS Coordinator (Asst. Prof., Dept of EEE). The **204** students with **15** faculty members have attended the program.







# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



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## INSTITUTION INNOVATION COUNCIL (IIC)





**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 22/07/2024

**Sub: Reports for Personal Enrichment Program For Student Entrepreneurs.**

**Self Driven Activity**

**PERSONAL ENRICHMENT PROGRAM FOR STUDENT ENTREPRENEURS**

Date: 22-07-2024

Place: CBIT Seminar Hall, CBIT, Proddatur

Time: 3:00 PM to 4:30 PM

**Targeted Students:** Student members of CBIT – EDC, NSS & Ideation Club .

A motivational Program on Personal Enrichment for Student Entrepreneurs was organized by Department of EEE, CBIT & Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 22<sup>nd</sup> July, 2024. The Programme aims to provide motivation to the students to become entrepreneurs.

The Expert Speaker Mr. B.K. Shantha Krishna Bhaiji has expressed her view. The importance of entrepreneurship education is often overlooked. It's not just about making money or starting a business; it's also about creating jobs, contributing to the economy, and innovating. Entrepreneurship education teaches students how to think like an entrepreneur, gives them practical skills they can use in real-world situations, helps develop leadership skills they need as future leaders, and provides an opportunity for them to identify problems they can solve by building solutions.

1. It Enables Students Think Like An Entrepreneur.
2. It Helps Students Learn Practical Skills.
3. It's Necessary To Contribute To The Economy.
4. Students Learn Leadership Skills.
5. Students Develop A Sense Of Social Responsibility.
6. It Is Necessary For The Future Of The Economy.

Entrepreneurship is a key component of economic growth and job creation, but it's not just about making money—it also teaches them how to think like an entrepreneur and apply their skills in the real world.





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## INSTITUTION INNOVATION COUNCIL (IIC)

The total number of students attended was **213** and **10** faculty members were present during the program. The entire session held in CBIT Seminar Hall, Chaitanya Bharathi Institute of Technology on **22-07-2024**.



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## Personal Enrichment Program

Resource Person: **B.K.Shantha Krishna Bhaji**  
**Mt.Abu, Rajasthan**  
Motivational Speaker

Venue: Seminar Hall  
Date & Time: 22-07-24, 3pm to 4:30pm  
Organized by:  
**Department of ECE**









**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 26/07/2024

**Sub: Reports for A Virtual Session on Angel Investment and VC Funding Opportunity for Early-Stage Entrepreneurs.**

**IIC Calendar Activity**

**SESSION ON ANGEL INVESTMENT AND VC FUNDING OPPORTUNITY FOR  
EARLY-STAGE ENTREPRENEURS:**

**Date:** 26-07-2024

**Mode:** Online

**Time:** 10:00 AM to 12:30 AM

**Targeted Students:** Student members of CBIT – EDC & Ideation Club .

A Session on Angel Investment And VC Funding Opportunity For Early-Stage Entrepreneurs was organized by our Mentor institution Sri Padmavathi Mahila Viswavidyalam to the students of Chaitanya Bharathi Institute of Technology on 26<sup>th</sup> July, 2024. The Programme aims to provide motivation to the students to become entrepreneurs.

The Expert Speaker Dr. A. Mahamani, Assoc. Dean (R&D) & Professor, SVCET, Tirupati has expressed view on Angel investors invest their own personal capital; venture capitalist firms typically invest other people's money. VC firms typically package their investments into funds, which are placed with institutional and high-net-worth investors such as pensions, endowments, foundations, and large family trusts.

An angel investor provides initial seed money for startup businesses, usually in exchange for ownership equity in the company. The angel investor may be involved in a series of projects on a purely professional basis or may be found among an entrepreneur's family and friends. Financial Jargon Busting Angel investors vs. venture capitalists. Angel investors are affluent individuals who invest their own money into startup ventures, whereas venture capital (VC) investors are employed by a risk capital company.

The speaker expressed that Venture capital (VC) is a form of private equity and a type of financing for startup companies and small businesses with long-term growth potential. Venture capital generally comes from investors, investment banks, and financial institutions. Venture



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## INSTITUTION INNOVATION COUNCIL (IIC)

capital can also be provided as technical or managerial expertise. Venture capital funding is a type of financing that investors provide to startup companies and early-stage businesses that are believed to have long-term growth potential.

The total number of students attended was **47** and **3** faculty members were present during the online program. The entire session held in **online mode** on **26-07-2024**.

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### A Virtual Session on Angel Investment and VC Funding Opportunity for Early-Stage Entrepreneurs

(Under Mentor-Mentee Scheme 2023-2024)

By  
**Dr. A. Mahamani,**  
Dean R&D and Professor,  
Department of Mechanical Engineering,  
Sri Venkateswara College of Engineering and Technology (Autonomous),  
R V S Nagar, Chittoor, Andhra Pradesh

Organized by  
**SRI PADMAVATHI MAHILA VISVAVIDYALAYAM**  
(WOMEN'S UNIVERSITY)  
TIRUPATI, ANDHRA PRADESH  
Accredited with "A+" Grade by NAAC Institution Innovation Council (IIC)



### Understanding Angel Investors and Venture Capitalists

#### • Differences between Angel Investors and Venture Capitalists.

##### • Angel Investors:

- Typically high-net-worth individuals.
- Invest personal funds.
- Focus on early-stage startups.
- Often provide mentorship and advice.

##### • Venture Capitalists:

- Professional investment firms.
- Invest pooled funds from multiple investors.
- Focus on scaling and growth stages.
- Offer extensive resources and networks.



It took more than 10 years for M. Adnaan to start his venture in Nagampalli village near Malaikottai Thennilai to design and develop CubeSats that have outsmarted a number of satellite space scientists to win the global competition by the Cubes in Space, a program in association with NASA.

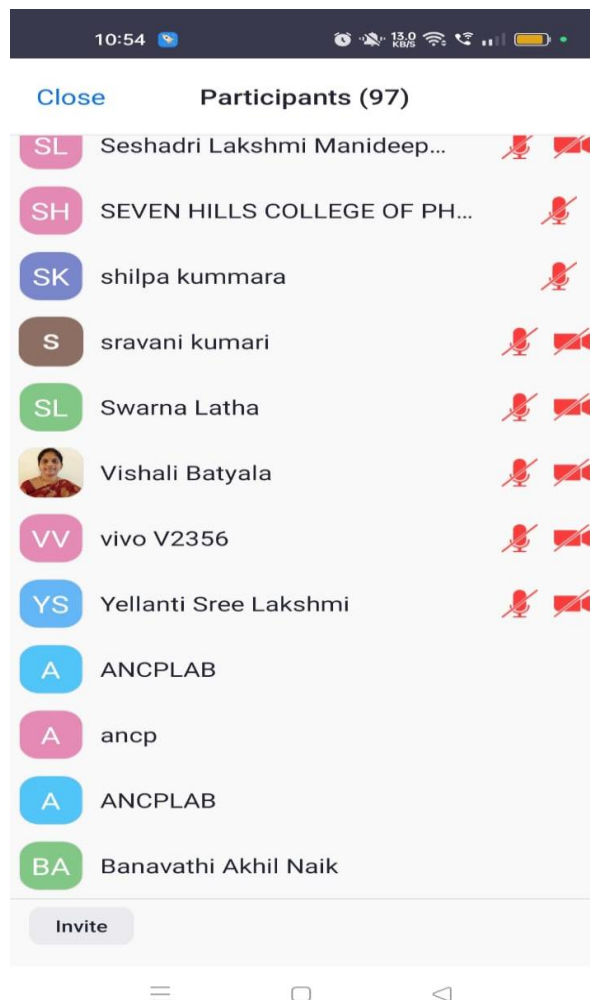
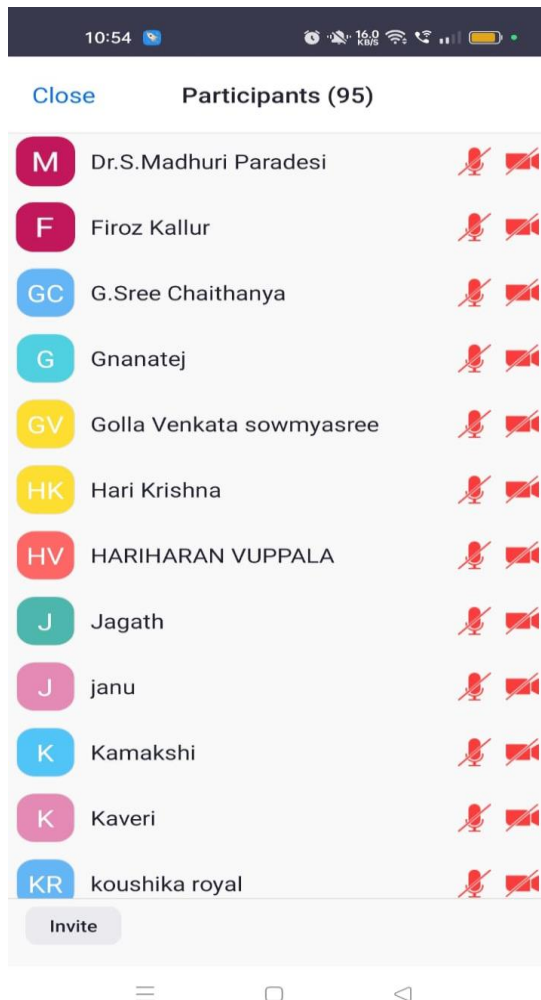
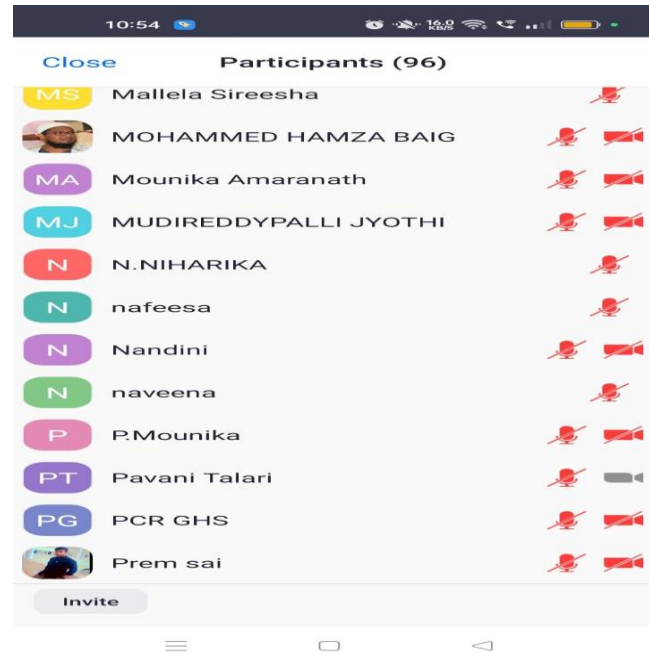


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## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 27/07/2024**

**Sub: A report on IIC Progress Monitoring and Impact Measurement.**

**Self Driven Activity**

**IIC Progress Monitoring and Impact Measurement**

**Date:** 27-07-2024

**Time:** 10:00 AM to 12:00 PM

**Targeted audience:** IIC Council members of Mentee institution CBIT and II year Students.

An orientation Program on IIC and its importance was explained by Dr. V. Ramakrishna, Asst. Prof. Sr., Department of ECE, SPMVV, Tirupati has narrated the Ministry of Education (MoE) through MoE's Innovation Cell (MIC) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education institutions. Primarily, IICs' role is to engage large number of faculty, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized in HEIs. The IIC model is designed to address the existing challenges/issues in HEIs such as less numbers, occasional and unplanned Innovation & Entrepreneurship (I&E) activities organised in HEIs with low involvement of top leadership, lack of coherence and absence of synergy in resource mobilization, deployment and underutilization of creative potential of youths as major barrier for vibrant I&E ecosystem to emerge from HEIs.

The Expert Speakers Dr. V. Ramakrishna explained IC model is unique and distinct as it integrates the functionalities of flexibility calendar activities, scoring and reward system, decentralizing operation with division of work, progress monitoring and incentive mechanisms in coordinated manner through a robust digital platform. In last two years, undoubtedly, IIC has emerged as a very sustainable and scalable model for promoting innovation within HEIs and the efforts of these IIC Institutes can be seen as impactful contribution towards making country's



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## INSTITUTION INNOVATION COUNCIL (IIC)

innovation and start-ups ecosystem more vibrant and dynamic. The recent achievement of India's 48th position in Global Innovation Index (GII) ranking is a reflection of the same.

The total number of students attended was **41** and **6** faculty members were present during the program. The entire session held in **Online Mode** on 10-06-2024.



MoE's  
INNOVATION CELL  
(GOVERNMENT OF INDIA)



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)



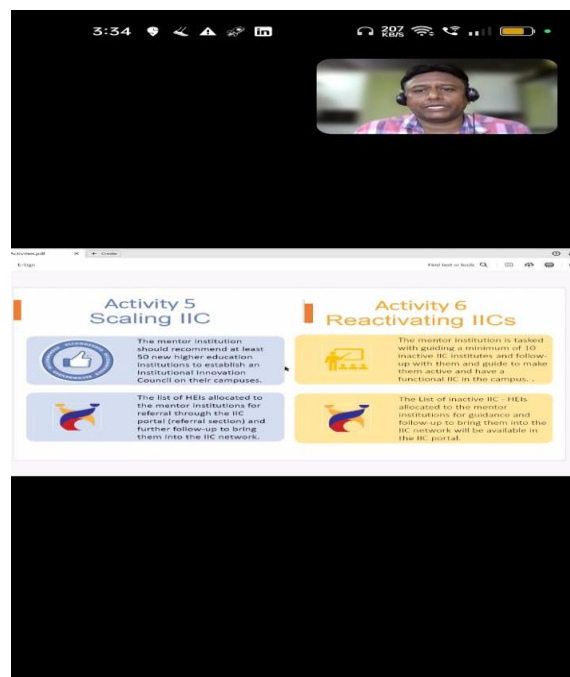
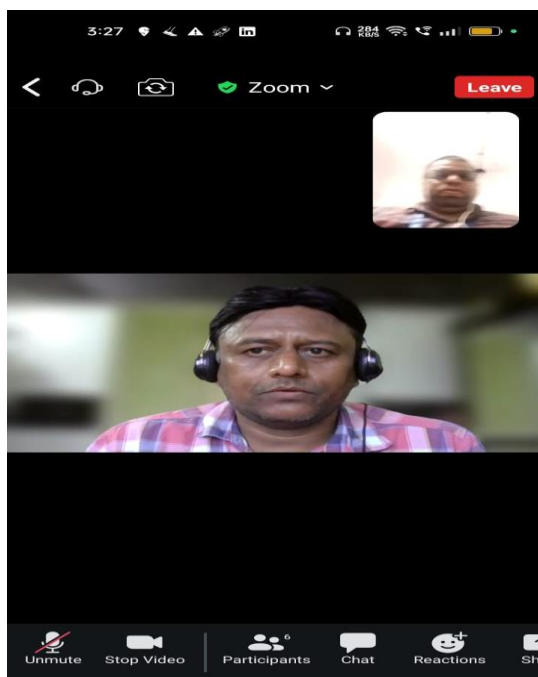
**SRI PADMAVATI MAHILA VISVAVIDYALAYAM (Women's University)**  
Tirupati, Andhra Pradesh  
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**Institution's Innovation Council (IIC)**  
Organizing

## Orientation & Mentoring Session

**Resource Person**  
Dr.V.Ramakrishna, Asst. Prof. Senior, ECE Department, SPMVV, Tirupati.

**Date: 10/06/2024** **Time: 03:00PM**

<b>Prof.R.Nagaraju</b> Mentor Mentee Coordinator IIC Vice President, SPMVV	<b>Prof.G.Rajitha</b> IIC Convenor, SPMVV	<b>Dr.G.Latha</b> IIC Co-Convenor, SPMVV
<b>Dr.B.Vishali</b> IIC Mentor Mentee Co-Coordinator, SPMVV		



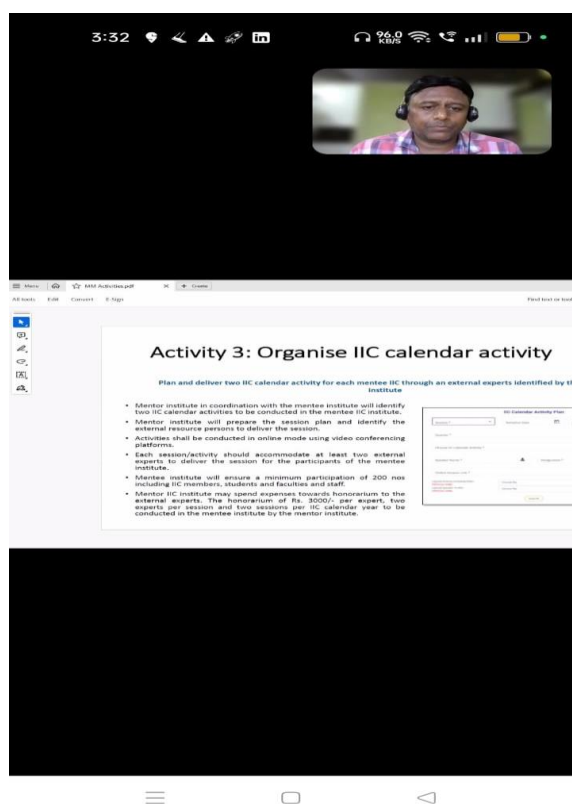
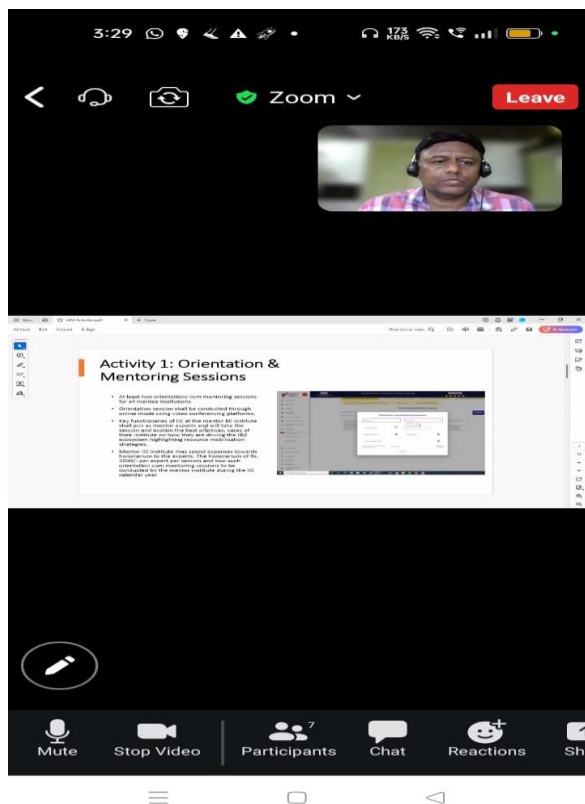


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## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 29/07/2024

**MIC ACTIVITIES**

**Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs**

**Description about the Program:**

This is focused to give awareness on IIC 6.0 (2023-24) & its features are explained to the stakeholders like HEI's, Faculty and Students. **Mr. Dipan Sahu sir**, Asst. Innovation Director Ministry of Education's Innovation Cell & AICTE, Govt. of India has detailed about the various aspects about IIC 6.0 to all stakeholders.

Ministry of Education, Govt. of India has established an 'Innovation cell' with a purpose of systematically fostering the culture of Innovation in all Higher Education Institutions (HEIs) across the country.

MIC will focus on creating a complete ecosystem which will foster the culture of Innovation across all educational institutions from idea generation to pre-incubation, incubation and graduating from the incubator as successful start-ups. MIC will also work on designing a ranking system to identify institutions in the forefront of innovation.

Ministry of Education has established 'MoE's Innovation Cell' with the mandate to work closely with our Higher Education Institutions (HEIs) to encourage the creative energy of our student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.

IICs at institutes are envisioned an instrumental role to drive innovation and start-up ecosystem at campus while connecting with ecosystem enablers at regional and national level. For this, the role of faculty being a member of IIC is very important to play as a mentor or guide young minds in their pursuit of Innovation and entrepreneurship and equally crucial for mentors to have the adequate mentoring skills. Considering the fact that Indian HEIs are lacking in innovation and start-up mentor capacity to guide students on IPR, Innovation and Entrepreneurship, Institutions



**INSTITUTION INNOVATION COUNCIL (IIC)**

Innovation council of MoE's Innovation Cell aims to build mentorship capacity of IIC members through a series of training programs and designate the trained IIC members as "IIC - Innovation Ambassador". IIC-MoE's Innovation Cell has taken a target to train more than 5000 faculties to develop mentoring skills on above four themes by end of 2019-2020 IIC calendar year (by June 2020).

The beneficiaries of these training programs will join the network as "IIC-Innovation Ambassador" and perform the role of mentor in their respective IICs, will provide support to other IICs as resource person in organising various programs related to innovation and startup and spread the message of innovation & start-up among the students and faculties. Further, there will be some incentive opportunities for Innovation ambassadors for the services offered during post training period and to connect directly with MoE's Innovation cell and also reward points for IICs to take part in this process.

Innovation Ambassador (IA) program is a training program for the faculty members in your IIC council. The IA have following subsection, they are

1. IA Training
2. IA Change Request
3. IA Activity Progress

**As MIC – Activity:**

**Today, i.e., on 29/07/2024 at 11:00AM, In our college (Chaitanya Bharathi Institute of Technology, Proddatur) has conducted this activity. The students of Ideation Club 54 No.s (ECE, EEE, ME, CE and CSE) along with faculty members 03 No.s have attended from the live streaming.**





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



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## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 30/07/2024**

**Sub: Reports for Lean startup Minimum viable Product or Business.**

**IIC Calendar Activity**

**AN ONLINE SESSION ON LEAN STARTUP MINIMUM VIABLE PRODUCT OR BUSINESS:**

**Date:**30-07-2024

**Mode:** Online

**Time:** 10:00 AM to 4:30 PM

**Targeted Students:** Student members of CBIT – EDC and Ideation Club.

A Session on Lean startup Minimum viable Product or Business was organized by our Mentor institution Sri Padmavathi Mahila Viswavidyalam to the students of Chaitanya Bharathi Institute of Technology on 30<sup>th</sup> July, 2024. The Programme aims to provide information to the students to become entrepreneurs.

The Expert Speaker Dr. B. Uma Rajeswari, Chief Scientific Officer, Bio-Mine Innovations Pvt. Ltd., Hyderabad has expressed her views on Lean startup Minimum viable Product or Business as The Lean Start-up stressed the importance of learning in the product development process with his definition of the MVP: “The minimum viable product is that version of a new product which allows a team to collect the maximum amount of validated learning about customers with the least effort.”

The Lean Startup approach encourages the rapid testing of hypotheses through MVPs. Instead of investing significant resources in building a full-featured product, entrepreneurs create a simplified version of their idea — the MVP — to test whether it meets the needs and desires of their target audience.

Lean startup is a methodology for developing businesses and products that aims to shorten product development cycles and rapidly discover if a proposed business model is viable; this is achieved by adopting a combination of business-hypothesis-driven experimentation, iterative product releases, and validated learning.



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## INSTITUTION INNOVATION COUNCIL (IIC)

An MVP, or minimum viable product, is a strategic approach used by startups and entrepreneurs to launch new products and services. It involves releasing an early, bare-bones version of a product with just enough core features to be usable and gather feedback from real users.

The total number of students attended was **52** and **5** faculty members were present during the online program. The entire session held in **online mode** on **30-07-2024**.



**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 31/07/2024

**MIC ACTIVITIES**

**Strengthening IIC Linkages with ATLs and SICs in Schools and Framework for providing Mentorship Guidance**

**Description about the Program:**

Ministry of Education has established 'MoE's Innovation Cell' with the mandate to work closely with our Higher Education Institutions (HEIs) to encourage the creative energy of our student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.

IICs at institutes are envisioned an instrumental role to drive innovation and start-up ecosystem at campus while connecting with ecosystem enablers at regional and national level. For this, the role of faculty being a member of IIC is very important to play as a mentor or guide young minds in their pursuit of Innovation and entrepreneurship and equally crucial for mentors to have the adequate mentoring skills. Considering the fact that Indian HEIs are lacking in innovation and start-up mentor capacity to guide students on IPR, Innovation and Entrepreneurship, Institutions Innovation council of MoE's Innovation Cell aims to build mentorship capacity of IIC members through a series of training programs and designate the trained IIC members as "IIC - Innovation Ambassador". IIC-MoE's Innovation Cell has taken a target to train more than 5000 faculties to develop mentoring skills on above four themes by end of 2019-2020 IIC calendar year (by June 2020).

Atal Tinkering Labs (ATL) is a sub-mission under the Atal Innovation Mission of the Government of India. ATL is the flagship initiative of AIM, the Government of India, **to nurture an innovative mindset amongst high school students** across the length and breadth of India. This is an important government scheme administered under the NITI Aayog.





**INSTITUTION INNOVATION COUNCIL (IIC)**

This is focused to give awareness on IIC 6.0 (2023-24) & its features are explained to the stakeholders like HEI's, Faculty and Students. **Mr. Dipan Sahu sir**, Asst. Innovation Director Ministry of Education's Innovation Cell & AICTE, Govt. of India has detailed about the role of ATL schools linking up with IIC 6.0 to the all stakeholders.

ATL is an activity conducted under the umbrella mission named 'Atal Innovation Mission' (AIM). AIM is the Indian Government's flagship program to foster a culture of entrepreneurship and innovation.

- AIM establishes ATLs in schools across the country with a vision to 'Cultivate one Million children in India as Neoteric Innovators'.
- The chief objective of establishing ATLs is to promote curiosity, imagination, and creativity in the minds of school-going children.
- Other goals of the scheme include inculcating in children a design mindset, adaptive learning, computational thinking, physical computing, etc.
- The philosophy behind ATLs is that prize awards and incentives are a great start to generate an aggressive wave of innovation and entrepreneurship in school-going children.

**As MIC – Activity:**

**Today, i.e., on 31/07/2024 at 11:00AM, In our college (Chaitanya Bharathi Institute of Technology, Proddatur) has conducted this MIC activity. The students of Ideation Club 51 No.s (ECE, EEE, ME, CE and CSE) along with faculty members 04 No.s have attended from the live streaming.**





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



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## INSTITUTION INNOVATION COUNCIL (IIC)





**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 02/08/2024

**MIC ACTIVITIES**

**Building the Pipeline of Quality Innovations and Start-ups in HEIs  
with Ecosystem Enablers by Creating and Managing YUKTI  
Innovation and IPR Repository (YIIR)**

**Description about the Program:**

IICs at institutes are envisioned an instrumental role to drive innovation and start-up ecosystem at campus while connecting with ecosystem enablers at regional and national level. For this, the role of faculty being a member of IIC is very important to play as a mentor or guide young minds in their pursuit of Innovation and entrepreneurship and equally crucial for mentors to have the adequate mentoring skills. Considering the fact that Indian HEIs are lacking in innovation and start-up mentor capacity to guide students on IPR, Innovation and Entrepreneurship, Institutions Innovation council of MoE's Innovation Cell aims to build mentorship capacity of IIC members through a series of training programs and designate the trained IIC members as "IIC - Innovation Ambassador". IIC-MoE's Innovation Cell has taken a target to train more than 5000 faculties to develop mentoring skills on above four themes by end of 2019-2020 IIC calendar year (by June 2020).

Ministry of Education has established 'MoE's Innovation Cell' with the mandate to work closely with our Higher Education Institutions (HEIs) to encourage the creative energy of our student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.

This is focused to give awareness on IIC 6.0 (2023-24) & its features are explained to the stakeholders like HEI's, Faculty and Students. **Mr. Dipan Sahu sir**, Asst. Innovation Director Ministry of Education's Innovation Cell & AICTE, Govt. of India has detailed about the role of ATL schools linking up with IIC 6.0 to the all stakeholders.

IIC Institutions will Create and Maintain a Repository of Innovations by Identifying, Scouting and Evaluating Innovations and Start-ups Developed by Faculty Members, Students, Alumni and Incubated Start-ups on Regular Basis.





## INSTITUTION INNOVATION COUNCIL (IIC)

Innovation is a key driver of entrepreneurship and plays a critical role in the success of companies. Innovation allows entrepreneurs to identify new opportunities, solve problems, and bring new products and services to market. It helps companies stay competitive, grow, and create new jobs.

### As MIC – Activity:

Today, i.e., on 02/08/2024 at 11:00AM, In our college (Chaitanya Bharathi Institute of Technology, Proddatur) has conducted this MIC activity. The students of Ideation Club 52 No.s (ECE, EEE, ME, CE and CSE) along with faculty members 05 No.s have attended from the live streaming.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

Vidya Nagar, Pallavolu, Proddatur, Y.S.R Dist., A.P. – 516 360



## INSTITUTION INNOVATION COUNCIL (IIC)





**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 05/08/2024

**MIC ACTIVITIES**

**Orientation cum Refreshers' Session on Institution's Innovation  
Council Objectives, Structure, Operation for IIC Institutions**

**Description about the Program:**

This is focused to give awareness on IIC 6.0 & its features are explained to the stakeholders like HEI's, Faculty and Students. **Mr. Dipan Sahu sir**, Asst. Innovation Director Ministry of Education's Innovation Cell & AICTE, Govt. of India has detailed about the various aspects about IIC 6.0 to the all stakeholders.

Ministry of Education, Govt. of India has established an 'Innovation cell' with a purpose of systematically fostering the culture of Innovation in all Higher Education Institutions (HEIs) across the country.

MIC will focus on creating complete ecosystem which will foster the culture of Innovation across all educational institutions from ideas generation to pre-incubation, incubation and graduating from the incubator as successful start-ups. MIC will also work on designing ranking system to identify institutions in the forefront of innovation.

Ministry of Education has established 'MoE's Innovation Cell' with the mandate to work closely with our Higher Education Institutions (HEIs) to encourage the creative energy of our student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.

**Initiatives of MoE's Innovation Cell**

- Institution's Innovation Council
- Smart India Hackathon
- International Hackathons
- National Innovation Start-up Policy
- YUKTI 2.0



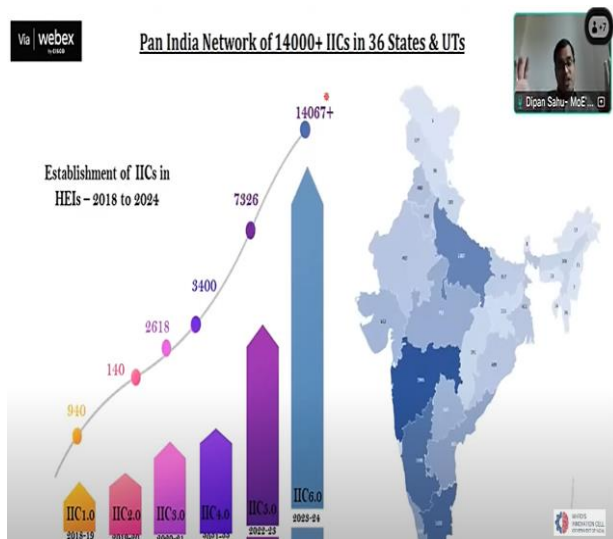
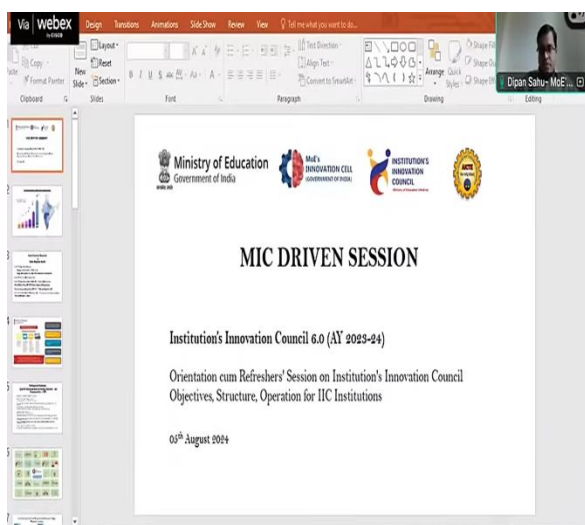


## INSTITUTION INNOVATION COUNCIL (IIC)

Ministry of Education's Innovation Cell (MIC) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE to systematically foster the culture of Innovation and start-up ecosystem in higher education institutions. The primary goal of this council is to inspire, encourage and nurture the young students for different activities involved in pre-incubation, incubation and making successful start-ups.

### As MIC – Activity:

Today, i.e., on 05/08/2024 at 11:00AM, In our college (Chaitanya Bharathi Institute of Technology, Proddatur) has conducted this MIC activity. The students of Ideation Club 54 No.s (ECE, EEE, ME, CE and CSE) along with faculty members 03 No.s have attended from the live streaming.





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



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## INSTITUTION INNOVATION COUNCIL (IIC)



Pallavolu, Andhra Pradesh, India  
PJGV+JV2, Pallavolu, Andhra Pradesh 516356, India  
Lat 14.726215°  
Long 78.644554°  
05/08/24 11:43 AM GMT +05:30



**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 13/08/2024**

**Sub: Reports – Session on Innovation/Prototype Validation – Converting Innovation into a Start-up.**

**IIC Calendar Activity**

**A SESSION ON INNOVATION/PROTOTYPE VALIDATION – CONVERTING INNOVATION INTO A START-UP**

**Date:**13-08-2024

**Mode:** Offline

**Time:** 02:30 PM to 4:30 PM

**Targeted Students:** MBA Student members of CBIT.

Session on Innovation/Prototype Validation – Converting Innovation into a Start-up was organized by our Department of MBA, CBIT, Proddatur to the students of Chaitanya Bharathi Institute of Technology on 13<sup>th</sup> August, 2024. The Programme aims to provide information to the students to become entrepreneurs.

The session started by Dr. G. Sreenivasulu Reddy, Direct (Admin), CBIT has expressed his views on an argument could be made that innovation begins when someone identifies a problem or opportunity and has an idea for how to address it in a way that is practical and commercializable.

The Expert Speaker Dr. R. Uma Devi, HOD MBA, CBIT has expressed her views on Converting Innovation into a Start-up as innovation is often about creating something entirely new that disrupts the status quo, rather than simply improving on an existing product or service. This can involve developing new technologies, business models, or ways of delivering value to customers.

Regarding startups, innovation and taking risks go hand in hand. Startup founders often come up with fresh, creative ideas that shake up the usual way of doing things. They do this by focusing on the customer's needs and building a solid base of dedicated customers.

The total number of students attended was **52** and **3** faculty members were present during the online program. The entire session held in **offline mode** on **13-08-2024**.





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## INSTITUTION INNOVATION COUNCIL (IIC)





# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS)



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## INSTITUTION INNOVATION COUNCIL (IIC)

### Event report: An awareness talk on SIH-2024

Date	Title of the lecture	Name and affiliation of the Resource Person
19/08/2024 11.00 AM to 12.30 PM	An awareness talk on <b>SIH-2024</b>	<b>Dr. H. Suresh Babu Rao</b> Assoc. Professor in Mechanical Engineering <b>Innovation Ambassador</b> & <b>Dr. R. Uma Devi</b> Professor in MBA & <b>Innovation Ambassador</b>
Target students	B.Tech students of all branches. <b>Chaitanya Bharathi Institute of Technology</b>	

An awareness talk on “**SIH-2024**” was conducted by **AICTE** and the resource person was **Dr. H. Suresh Babu Rao**, Assoc. Professor in Mechanical Engineering, and **Innovation Ambassador**.

Dr. H. Suresh Babu Rao during the expert talk to the students express about Smart India Hackathon 2024 (SIH-2024) is a premier nationwide initiative designed to engage students in solving some of the most pressing challenges faced in everyday life. Launched to foster a culture of innovation and practical problem-solving, SIH provides a dynamic platform for students to develop and showcase their creative solutions to real-world problems. By encouraging participants to think critically and innovatively, the hackathon aims to bridge the gap between academic knowledge and practical application.

The speaker Dr. R. Uma Devi introduced the objective of SIH. Also, the speaker introduced about SIH has garnered significant success in promoting out-of-the-box thinking among young minds, particularly engineering students from across India. Each edition has built on the previous one, refining its approach and expanding its impact. The hackathon not only offers students an opportunity to showcase their skills but also encourages collaboration with industry experts, government agencies, and other stakeholders.

The speakers also sensitized the importance of SIH-2024 and introduce the guidelines like All participants must be from the same college or school; inter-college/school teams are not permitted. Members from different branches or disciplines within the same institution may form a team. Each team must consist of 6 members, including the team leader, and must include at least one female member.

The outcome of the session was explained clearly and got a good feedback from the students. Also, total **507** B.Tech students of all branches along with **10** faculty members have attended the program in CBIT Seminar Hall at 11:00 AM to 12:30PM.





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## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

**Date: 28/08/2024**

**Sub: A report on A seminar on “Basics of Intellectual Property Rights”.**

**Self Driven Activity**

**A SEMINAR ON “BASICS OF INTELLECTUAL PROPERTY RIGHTS”**

**Date:**28-08-2024

**Place:** CP Lab - 4, CBIT, Proddatur

**Time:** 2:30 PM to 4:30 PM

**Targeted Students:** Members of II, III B.Tech students.

A Seminar on Intellectual Property Rights was organized by Department of MBA & MHRD'S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 25<sup>th</sup> April, 2024.

The Expert Speakers Mrs. S. Tahseen Fatima, Asst. Professor, Department of MBA, CBIT, Proddatur shared her knowledge & experience on the Innovation and IPR. And the program was co-ordinated by Ms. V. Sai Neeraja, IPR Co-ordinator & Assoc. Professor, Department of Civil Engineering.

Speaker Mrs. S. Tahseen Fatima highlighted on Innovation in engineering is about thinking outside the box and creating creative solutions to complex problems. Engineers constantly push the boundaries of what is possible, using their knowledge and expertise to develop new technologies and improve existing ones. Innovation in engineering design refers to the unique ideas engineers develop to solve technological, engineering, and business-related issues for enterprises like yours. The process often helps organizations adapt, innovate, and enter new niche markets.

And also she highlighted on Intellectual property rights (IPR) refers to the legal rights given to the inventor or creator to protect his invention or creation for a certain period of time. These legal rights confer an exclusive right to the inventor/creator or his assignee to fully utilize his invention/creation for a given period of time. Also, highlighted on start-ups, present day scenario, and there has been a rapid growth in the number of start-ups from 2014 to 2023. This growth has been fueled by factors like rising internet and smart phone penetration, government support, access to funding, evolving tech landscape and a young tech-savvy population. India has



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## INSTITUTION INNOVATION COUNCIL (IIC)

experienced a surge in startups and funding, with over 16,000 new tech companies added in 2020. Despite funding obstacles, investment firms have shown confidence in Indian startups, with a total funding of \$8.4 billion in 2023. India's startup ecosystem soars with unprecedented growth and funding.


The total number of students attended was **52** and **3** faculty members were present during the program. The entire session held in CP Lab - 4, Chaitanya Bharathi Institute of Technology on 28-08-2024.



**CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY**  
Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu | Vidyanagar, Proddatur - 516360, Mobile : 9640808999, 7659807111.

**Seminar on**  
**Basics of Intellectual Property Rights**  
**on**  
**Date-28-8-2024**  
**Venue: Computer Lab - 4**  
**Speaker : S.Tahseen Fatima**  
Assistant professor, Department of MBA

**Organized by :**  
**MBA department**  
in association with IPR cell CBIT







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## INSTITUTION INNOVATION COUNCIL (IIC)







**INSTITUTION INNOVATION COUNCIL (IIC)**

Date: 29/08/2024

**Sub: A report of Session on Entrepreneurship and Innovations**

**Self Driven Activity**

**A SESSION ON ENTREPRENEURSHIP AND INNOVATIONS**

**Date:**29-08-2024

**Place:** Lecture Hall - 205.

**Time:** 10:00 AM to 12:00 PM

**Targeted Students:** II Year B.Tech Students.

A Full Day Workshop on “**Entrepreneurship & Innovation**”, was organized by MHRD’S Institution Innovation Council (IIC) of Chaitanya Bharathi Institute of Technology on 29-08-2024. The Programme aims to provide opportunities to Undergraduate Students of Students Innovation Club to augment Knowledge & skills in key areas involved in Entrepreneurship & Innovations.

The Expert Speaker **Mr. D. Sivananda Reddy, Innovation Ambassador, Asst. Prof. in Dept of ME** shared his knowledge on the multiple aspects and about Entrepreneurship:

Entrepreneurship is the process of starting and managing a business, or creating economic value, with the goal of generating profit or creating value. Entrepreneurship involves:

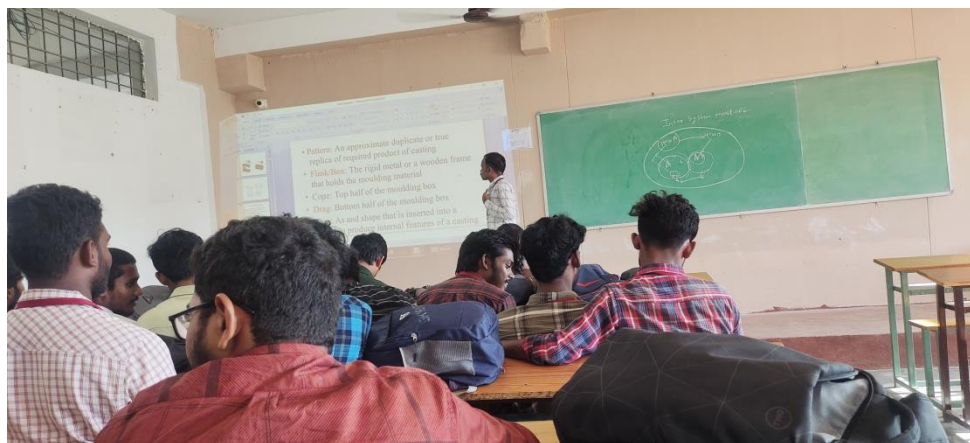
- Identifying opportunities: Finding a business opportunity and conducting market research
- Taking risks: Being willing to take calculated risks to establish a venture
- Building a team: Assembling a team to help with the business
- Developing a strategy: Strategizing on financing and marketing
- Creating something new: Bringing a new product or service to market, or improving an existing one



## INSTITUTION INNOVATION COUNCIL (IIC)

Entrepreneurs are often creative, resilient, and have a problem-solving mindset. They can drive economic growth and contribute to society by solving problems and creating wealth and jobs. Small business entrepreneurship is a type of entrepreneurship that takes place on a local level, without the expectation of wide-scale expansion. Examples include opening a local restaurant, gift shop, or furniture restoration business. Entrepreneur: What It Means to Be One and How to Get Started. Opportunist. Opportunistic entrepreneurs are optimistic individuals with the ability to pick out financial opportunities. Also, Innovation is the process of creating and implementing new ideas, methods, or devices to improve or introduce new products, services, or processes. Innovation can be applied to many areas, including business models, art, and technology.

The total number of students attended was **50** and **02** faculty members were present during the program. The entire session held in Lecture Hall - 205, Chaitanya Bharathi Institute of Technology, Proddatur on **29-08-2024**.





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## INSTITUTION INNOVATION COUNCIL (IIC)







# **CHAITANYA BHARATHI**

## **INSTITUTE OF TECHNOLOGY**

**(UGC- AUTONOMOUS)**  
**PRODDATUR**

### **Event report**

## **Awareness Program on “Importance of Intellectual Property Rights”**

<b>Date</b>	<b>Title of the lecture</b>	<b>Name and affiliation of the Resource Person</b>
10/09/2024 12.00 PM to 01.30 PM	Awareness Program on "Importance of Intellectual Property Rights"	<b>Dr. C. Gangaiah Yadav</b> Associate Professor in ECE <b>Innovation Ambassador</b>
Target Participants	III Year ECE Students	

IIC & IPR Cell, has organized an Awareness Program on “**Importance of Intellectual Property Rights**” on 10.09.2024 and the resource person was **Dr. C. Gangaiah Yadav**, Associate Professor in ECE, and **Innovation Ambassador**.

### **OBJECTIVE OF THE EVENT:**

Now-a-days Innovations and Entrepreneurship plays very important role for getting authority for their inventions. In this program Students able to understand the concept of IPR. Know the Importance of IPR now-a-days and also described the products are patent granted.

### **BENEFICIARIES OF THE EVENT:**

Benefits in terms of learning/Skill/Knowledge is obtained by this program will help to students to develop knowledge in Innovation, Entrepreneurship and IPR.

### **SESSION:**

Dr.C.Gangaiah Yadav detailed in their speech about the importance of Innovation & Entrepreneurship required for a students to excel in academics as well as research.

- **Definition:** Innovation refers to novel and useful products, services, business models, or strategies.
- **Intellectual Property:** Intellectual property (IP) is a term referring to creation of the intellect (the term used in studies of the human mind) for which a monopoly (from greek word monos means single polein to sell) is assigned to designated owners by law.



# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (UGC- AUTONOMOUS) PRODDATUR

## Types:

The term intellectual property is usually thought of as comprising four separate legal fields:

1. Trademarks
2. Copyrights
3. Patents
4. Trade secrets

The program was successfully completed by the presence of students from III ECE, CBIT- Proddatur.

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## Glimpses of the Program

