

Ibrahimpatnam, Ranga Reddy District, Hyderabad - 501 506.

Institution's Innovation Council (IIC) 6.0

IIC Activity 2023 - 2024

Academic Year	: 2023-2024
Quarter	: 3
Program driven by	: EEE Department
Program Name	: A Workshop on prototype /process design & development
Program Thrust Area	: Validation and Concept Development
Program Type	: Interactive Session
Start Date	: 28-03-2024
End Date	: 28-03-2024
Number of Student Participants	: 109
Number of Faculty Participants	: 10
Number of External Participants	: 14
Expenditure Amount, If any	: Rs. 8,500/-
Mode of Session delivery	: Offline

Overview

Objectives of this session

Developing effective problem-solving skills is crucial for academic and professional success. The key objectives of teaching problem-solving approaches to students are:

1. Foster creativity through brainstorming, mind mapping, and lateral thinking.
2. Encourage exploration of multiple solutions and thinking outside the box.
3. Develop critical thinking and analytical skills to evaluate potential solutions.
4. Teach improvisation techniques to adapt to changing situations and generate ideas quickly.
5. Introduce mind mapping as a tool to capture thinking processes and organize knowledge.
6. Promote lateral thinking to change approaches and generate new ideas without logical limitations

Benefits in terms of Learning/Knowledge obtained

- **Introducing Key Elements of Critical Thinking:** Focus on essential components like reasoning, analysis, evaluation, and inference to cultivate a structured approach to problem-solving.
- **Equipping Participants with Problem-Solving Techniques:** Teach participants how to break down complex issues into manageable steps, identify root causes, and develop systematic strategies for effective solutions.
- **Encouraging Out-of-the-Box Thinking:** Stimulate creativity by challenging assumptions, exploring alternative viewpoints, and considering unconventional approaches to tackle problems.
- **Applying Skills to Real-World Scenarios:** Offer hands-on opportunities through case studies or scenarios, enabling participants to practice and hone their creativity and problem-solving abilities.
- **Emphasizing Fundamental Problem-Solving Elements:** Reinforce the importance of mastering core elements like problem identification, goal setting, information gathering, idea generation, and evaluating solutions to ensure effective outcomes.

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Photograph 2 image



Photograph 3 image



Photograph 4 image



Photograph 5 image



Photograph 6 image



Photograph 7 image



Photograph 8 image



Session plan:

Brochure

**GURU NANAK INSTITUTIONS
TECHNICAL CAMPUS (AUTONOMOUS)**

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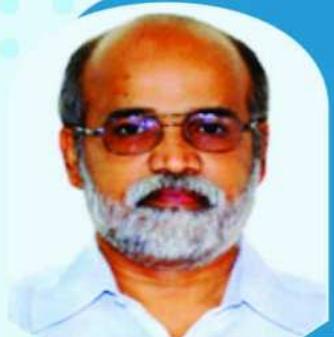
INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IC2018111959

Institution's Innovation Council (IIC 6.0)
Department of Electrical & Electronics Engineering
IIC Calender Activity

**A Workshop on
PROTOTYPE / PROCESS
DESIGN & DEVELOPMENT**

**28th March 2024
@10:00^{am} onwards**

Venue: Mini Indoor Auditorium, GNITC

Resource Person


Dr. S. KARUNANIDHI
Outstanding Scientist & Former Associate Director,
Research Centre Imarat (RCI), DRDO, Hyderabad.

Coordinators
Dr. K.S. Chandragupta Mauryan, Asst. Dean - R&D
Mr. K. Rajesh Babu, Assistant Professor - EEE

Conveners
Dr. K. Venkata Rao, Director
Dr. P. Parthasarathy, Joint Director
Dr. S.V. Ranganayakulu, Dean - R&D

Co-Convenor
Dr. Y.V. Balarama Krishna Rao
HOD - EEE

www.gniindia.org

Name of the activity: A Workshop on Prototype /process design & development

Speaker: Dr. S.Karunanidhi

Outstanding scientist and former Associate Director at the Research Centre Imarat (RCI), DRDO, Hyderabad.

Platform: Offline

Date: 28-03-2024

Overall report of the activity

As part of the IIC's internal activities, an interactive session on **problem-solving** was held on **28th March 2024**, attracting around **120 students** and **10 faculty members**. The session was led by **Dr. Karunanidhi**, a distinguished scientist formerly associated with the **Research Centre Imarat (RCI), DRDO, Hyderabad**.

The focus was on cultivating problem-solving skills, with participants actively engaging in idea-sharing and analyzing various problem statements through dynamic brainstorming sessions. The discussions covered key aspects such as factors influencing **product development**, ensuring **reliability**, and exploring **future innovations**.

Attendees left with valuable insights into critical problem-solving techniques and their practical applications, particularly for electrical engineers. The session highlighted the importance of transforming innovative ideas into **customer-centric solutions**, making it a highly enriching experience for all involved.



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Ibrahimpatnam, Ranga Reddy District, Hyderabad - 501 506.

Institution's Innovation Council (IIC) 6.0

IIC Activity 2023 - 2024

Session on A Workshop on Prototype /process design & development

PROBLEM SOLVING & IDEATION

Participants List

S. No.	Hall Ticket No	Name	S. No.	Hall Ticket No	Name
1	21WJ1A0201	Addepally Sai Krishna	62	21WJ1A0234	Maloth Ganesh
2	21WJ1A0202	Ahmad Raza	63	21WJ1A0235	Marpally Saikrishna
3	21WJ1A0203	Allurwad Neha	64	21WJ1A0236	Meegada Mahesh
4	21WJ1A0205	Anthadupla Nikhil	65	21WJ1A0237	Mood Avinash
5	21WJ1A0206	Athram Pavan Kumar	66	21WJ1A0238	Nenavath Anil Kumar
6	21WJ1A0207	Begari Sangameswar	67	21WJ1A0239	Nenavath Mukesh
7	21WJ1A0208	Bogaram Machagiri	68	21WJ1A0240	Nenavath Sridhar
8	21WJ1A0209	Burri Nagaraju	69	21WJ1A0241	Nenavath Yuvaraj
9	21WJ1A0210	Chinthia Ganesh Kumar	70	21WJ1A0242	Nomula Srilakshmi
10	21WJ1A0211	Dhanavath Mahesh	71	21WJ1A0243	Nunavath Raj Kumar
11	21WJ1A0212	Erramekala Rohit Kumar	72	21WJ1A0244	Paltya Ganesh
12	21WJ1A0215	Islavath Srikanth	73	21WJ1A0245	Pariparti Charmila
13	21WJ1A0216	Jakkula Manisha	74	21WJ1A0246	Peram Vikas
14	21WJ1A0217	Janga Abhaiaadithya	75	21WJ1A0247	Perumalla Jyothi Reddy
15	21WJ1A0218	Janga Jayanth	76	21WJ1A0248	Ramavath Dileepeteja
16	21WJ1A0219	Juluru Sai Santhosh	77	21WJ1A0249	Rapolu Vamshi
17	21WJ1A0220	K Sai Goutham	78	21WJ1A0250	Saravakota Vamsi Krishna
18	21WJ1A0221	Kadaganchi Naresh	79	21WJ1A0251	Shanamoni Sai Sharath
19	21WJ1A0222	Kaduduram Manideep	80	21WJ1A0252	Sidrala Deepak

20	21WJ1A0223	Kambala Vamsi Krishna	81	21WJ1A0253	V Shiva Shankar
21	21WJ1A0226	Kaushkey Kumari	82	21WJ1A0254	Vadthya Ambadas
22	21WJ1A0227	Kodiduti Shilpa	83	21WJ1A0255	Vadthya Swami
23	21WJ1A0228	Konapur Saikrishna	84	21WJ1A0256	Varsa Anu Sri
24	21WJ1A0229	Kondeti Suchith Patel	85	21WJ1A0257	Veeraboina Shiva
25	21WJ1A0231	Kouroju Maniteja	86	21WJ1A0258	Vislavath Sikinder
26	21WJ1A0232	Kunsoth Rakesh Kumar	87	21WJ1A0259	Vundyala Sai Prasanna
27	22WJ5A0201	A Veeraiah Goud	88	21WJ1A0260	Yerra Rakesh
28	22WJ5A0202	Akarapu Nithin	89	21WJ1A0261	Zakarie Mohamed Hassan
29	22WJ5A0203	B Devi Sree	90	21WJ1A0262	Md Jafar Mohamed Abdal Shafea
30	22WJ5A0204	Boda Shekhar	91	22WJ5A0234	Kolipaka Venu
31	22WJ5A0205	B Sri Lakshmi	92	22WJ5A0235	Kolipaka Vignesh
32	22WJ5A0206	Bareddy Shiva Reddy	93	22WJ5A0236	Komuravelli Manikanta
33	22WJ5A0207	Bayya Bhavana	94	22WJ5A0237	Kottawar Harihar
34	22WJ5A0208	Bhukya Harikrishna	95	22WJ5A0238	Kukkala Pramod
35	22WJ5A0209	Bolle Sheela	96	22WJ5A0239	Manupuri Supraj
36	22WJ5A0210	Burra Devender	97	22WJ5A0240	Md Sohail
37	22WJ5A0211	Dasari Sakshith	98	22WJ5A0241	Midde Harikiran Reddy
38	22WJ5A0212	Devulapally Bhanu Prasad	99	22WJ5A0242	Muthanolla Harshavardhan
39	22WJ5A0213	Domala Sowmith	100	22WJ5A0243	N Sai Chandra
40	22WJ5A0214	Dosapati Vignesh	101	22WJ5A0244	Neelam Rakesh
41	22WJ5A0215	Eragadindla Manikanta	102	22WJ5A0245	Nimmala Deekshith
42	22WJ5A0216	Erupaka Harish Reddy	103	22WJ5A0246	P Ankitha
43	22WJ5A0217	Gykoti Nithin	104	22WJ5A0247	Pogula Shashidhar
44	22WJ5A0218	Goli Rajiniikanth Reddy	105	22WJ5A0248	Pachimadla Ganesh
45	22WJ5A0219	Gariboyena Sai Kumar	106	22WJ5A0249	Penthala Karthik
46	22WJ5A0220	Gavva Sai Kumar Reddy	107	22WJ5A0250	Peta Sairam Goud
47	22WJ5A0221	Godari Sudhakar	108	22WJ5A0251	Potikalapudi Vishnu Vardhan
48	22WJ5A0222	Gugloth Hemanth	109	22WJ5A0252	Pulla Ankanna

49	22WJ5A0223	Guniganti Deepika	110	GNIT	Radapaka Vathsalya
50	22WJ5A0224	Gunjapadugu Sai Sharan	111	GNIT	S Anil Kumar
51	22WJ5A0225	Gunthati Dinesh	112	GNIT	Sannugonda Harini
52	22WJ5A0226	Ilapaka Anvesh	113	GNIT	Saraf Harsha
53	22WJ5A0227	Islavath Jagadeeswar Naik	114	GNIT	Shaik Sameena
54	22WJ5A0228	Jaligama Pranitha	115	GNIT	Shetty Warangalle Nikith
55	22WJ5A0229	Janjirala Karthikeya	116	GNIT	Sulthan Sathish
56	22WJ5A0230	K Pavan Yadav	117	GNIT	Sunkari Uday Kiran
57	22WJ5A0231	Karnam Vivek	118	GNIT	Tamidala Zeneeth
58	22WJ5A0232	Katkuri Ranjith Kumar	119	GNIT	Thaduri Revanth
59	22WJ5A0233	Kodumuri Amrutha	120	GNIT	Vinukonda Poojitha
60	20WJ1A0263	Mudem Prashanth Reddy	121	GNIT	Valaboju Prakash
61	20WJ1A0240	Kandula Nithish Kumar	122	GNIT	Vanaparthy Mahesh
			123	GNIT	Yerram Balaji

Faculty Members

1	Dr. Y.V. Balarama Krishna Rao	Professor & HOD
2	Dr.K. S. Chandragupta Mauryan	Professor & Asst. Dean (R&D)
3	Mr. D. Naveen Kumar	Assoc. Prof.
4	Mr. G. Ranga Purushotham	Assoc. Prof.
5	Dr.Ratna Kishori	Asst. Prof.
6	Mr. K. Rajasekhar	Asst. Prof.
7	Mr. K.Girinath babu	Asst. Prof.
8	Mr. K. Rajesh Babu	Asst. Prof.
9	Mr. S. Praveen Kumar	Asst. Prof.
10	Mr. D.S. Veeranna	Asst. Prof.



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