



SJM Vidyapeetha®  
**S J M INSTITUTE OF TECHNOLOGY**  
NH-4 Bypass, P.B.No:73, CHITRADURGA -577502, Karnataka



**INSTITUTION'S INNOVATION COUNCIL (IIC)**

**Overall Report**

**on**

*Problem Solving and Ideation Workshop*  
*Theme: Innovation*



**2023-24**



SJMVIDYAPEETHA®  
**S J M INSTITUTE OF TECHNOLOGY**  
**Chitradurga**

NH-4 Bypass, P.B.No:73, CHITRADURGA-577502,  
NAAC Accredited



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

In Association with IQAC & IIC



Internal  
Quality  
Assurance Cell



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of Education Initiative)

Organizing Session

On

**Problem Solving and Ideation Workshop**

**Theme: Innovation**

DATE:29/11/23

TIME:10:00AM

VENUE: EEE SEMINAR HALL

**Resource Person**

**Mr.Mallesh V S**

Technical Team Manager & Trainer  
Abeyaantrix SoftLab OPC Pvt Ltd-Bangalore

**Dr.Bharath P B**

Principal-SJMIT

Prof.Maruthi Naik R K  
Prof.Madhukumar D  
COORDINATORS

Dr.Kumaraswamy B G  
Professor & Head

Dr.Krishnareddy K R  
IIC Convener

Dr.Jagannatha N  
IQAC Coordinator,  
Professor & Head

**Topic:** *Problem Solving and Ideation Workshop*

**Theme:** Innovation

**Objectives of the Event:**

1. To encourage students for innovative ideas.
2. To brief students to understand the problems, solution and innovative ideas.
3. To provide knowledge about the innovative ideas to implement in projects.

**Speaker:** Mr.Mallesh V S, Technical Team Manager & Trainer Abeyaantrix SoftLab  
OPC Pvt Ltd-Bangalore.

**Speaker Profile:**

- He is a dedicated Technical Team Manager and Trainer at Abeyaantrix SoftLab, bringing over 13 years of expertise to the field. His educational background includes a Bachelor's degree in Electronic and Communication, a Master's in Digital Communication, and another Master's in Data Science and Machine Learning.
- Throughout his career, he's held various key roles, from Corporate Trainer and Team Lead to Software Engineer, at a range of esteemed organizations. He has been privileged to deliver training sessions to numerous renowned corporations, such as Robert Bosch, Actalent, UTC Aerospace, and Siemens.
- One of the highlights of his career has been providing training to more than 500 senior scientists from prestigious Defense and Government organizations, including ISRO, BEL, and various DRDO labs across India. These training programs have covered a wide array of topics, from Matlab and Simulink to DSP, AI, and other cutting-edge technologies.
- In addition, he's had the opportunity to travel extensively across India, visiting over 200 engineering colleges and universities. During these visits, he's had the honor of training both faculties and students in diverse domains. Some of the notable institutions he's collaborated with include VIT, Amrita University, IIT Gandhinagar, Chitkara University, and NIT Warangal, among others.
- His expertise spans across a wide spectrum of technologies and tools, including AI, Data Science, Machine Learning, Embedded Systems, Digital Signal Processing, Image Processing, and Data Analytics. His practical experience extends to working with various hardware platforms, such as Digital Signal Processors, ARM Microcontrollers, AVR, ATMEGA, MSP430, and more.
- He is passionate about technology, education, and empowering the next generation of engineers and innovators. He looks forward to sharing his knowledge and experiences to inspire and educate others in these ever-evolving fields.

## **Brief Report of the Event:**

The Department of Electrical and Electronics Engineering, SJM Institute of Technology has organised online session on “**Problem Solving and Ideation Workshop**” in association with Institution’s innovation council (IIC) and IQAC. This report provides an overview of the Problem Solving and Ideation Workshop for students and faculty members on the theme of innovation. This theme emphasizes to encourage students for innovative ideas to solve the problems.

On 29<sup>th</sup> November 2023, "Problem Solving and Ideation Workshop" session was organized at S J M Institute of Technology, Chitradurga, Karnataka. The event lasted from 10:00 am. to 02:00 pm, where students and faculty actively participated.

The event started with a warm welcome to all the attendees by Prof.Madhukumar Davanagere, faculty member, IIC, and with an inaugural ceremony in the presence of the resource person, Mr.Mallesh V S, Technical Team Manager & Trainer Abeyaantrix SoftLab OPC Pvt Ltd- Bangalore. Guest of Honour, Principal - Dr.Bharath P B, Dr.Kumarswamy B G, Prof.& Head, Department of Electrical and Electronics Engineering, Dr. Jagannath N, IQAC coordinator, Dr. Krishna Reddy K R, IIC Convener and Prof.Maruthi Naik R K, Programme Coordinator.

Later the session was taken over by the eminent resource person to deliver his speech on **“Problem Solving and Ideation Workshop ”**.



### **Session by Mr.Mallesh V S**

#### **Resource Person**

The presentation is focused on encourage students to understand the problems to look for innovative ideas in future projects implementation.

#### **Key areas of his discussion are:**

- Understand the problems occurred
- Sources and procedure to apply innovative ideas.

The presentation ended with a questions and answers session with the attendees. Prof. Madhukumar Davanagere, Faculty member, IIC, concluded the programme by delivering a vote of thanks.

## Conclusion:

The "Problem Solving and Ideation Workshop "Innovation" and aimed to inspire individuals. It highlighted to understand problems to look for innovative ideas. The event has attracted a great response from the students. About 50 students and staff registered and successfully completed the event.

## Participant's Details: [Attendance Sheet]

SJM Vidyapeetha®

**SJ M INSTITUTE OF TECHNOLOGY, Chitradurga**  
**Institution Innovation Council (IIC)**  
**IIC Calender activity Q1-IIC6.0(AY2023-24)**

Activity name: "Problem Solving and Ideation Workshop"  
 List of Participants registered      date: 29/11/23      Time: 10 AM

Sl. No.	Participant Name	Designation (✓)		Branch	Phone No.	signature
		Student	Faculty			
01	Dr. Kumara Somy B	✓		EEE	818804468	M
02	Sanjay Kumar K	✓		EEE	984487444	S
03	C.R. Kambari	✓		EEE	9896254613	K
04	SUDHA.T	✓		EEE	9980972257	Sudha
05	Machkumar D	✓		EEE	810637227	Mach
06	Sushmita Deb	✓		EEE	8317310697	Sush
07	Noor Fathima	✓		EEE	8095862817	Noor
08	Maxuthi Nair RK	✓		EEE	9986336164	Max
09	Dr. Mahanathasi	✓		EEE	9886443195	Dr. Mahanathasi
10	Machkumar D	✓		EEE	7795155706	Machkumar D
11	Ganesh M	✓		EEE	6360098929	Ganesh M
12	Ajay M.M	✓		EEE	8867230379	Ajay M.M
13	Mohammed Shaab	✓		EEE	8660562951	Mohammed Shaab
14	Ajay K	✓		EEE	636222395	Ajay K
15	Tshayath H S	✓		EEE	6363711011	Tshayath H S
16	Chandan L	✓		EEE	7795369443	Chandan L
17	Manikanta N	✓		EEE	9019143750	Manikanta N
18	Anil B	✓		EI		Anil B
19	Kesav Malan C	✓		EEE	6360721068	Kesav
20	Ramya R	✓		EEE	9731056649	Ramya R
21	Vismaya M.S	✓		EEE	8494951459	Vismaya M.S
22	Ankitha S	✓		EEE	767695599	Ankitha S
23	Binchana T	✓		EEE	890462330	Binchana T
24	Soniya M.O	✓		EEE	890453587	Soniya M.O

Sl. No.	Participant Name	Designation (✓)		Branch	Phone No.	signature
		Student	Faculty			
25	Sadip afreen	✓		EEE	9380841722	Sadip afreen
26	Bibi Hafsa Khanum	✓		EEE	8296420551	Bibi Hafsa Khanum
27	Chandana A	✓		EEE	9110605576	Chandana A
28	Kavyashree K D	✓		EEE	6362427737	Kavyashree K D
29	Meghana C.T	✓		EEE	9886419340	Meghana C.T
30	Shubhashree G	✓		EEE	4019134506	Shubhashree G
31	Quasitha wadh	✓		EEE	8618948638	Quasitha wadh
32	Noor Taj	✓		EEE	7795134985	Noor Taj
33	Gaganaditya M.C	✓		EEE	8904525109	Gaganaditya M.C
34	Anant Kumar G	✓		EEE	6362329328	Anant Kumar G
35	B.Ashok	✓		EEE	6362716914	B.Ashok
36	Prasanna C	✓		EEE	6362660217	Prasanna C
37	ELUNATH P	✓		EEE	96800714	ELUNATH P
38	GURU.SL	✓		EEE	6362224176	GURU.SL
39	ARSHAD V	✓		EEE	8867234175	ARSHAD V
40	Ganesh Y	✓		EEE	808846074	Ganesh Y
41	J.A. Bharath	✓		EEE	9964846927	J.A. Bharath
42	Rachana M	✓		EEE	5310223822	Rachana M
43	Sangeetha D.J	✓		EEE	8431702474	Sangeetha D.J
44	Gaon Gaganur K R	✓		EEE	8867547823	Gaon Gaganur K R
45	Sunil M.H	✓		EEE	9008585157	Sunil M.H
46	Abhishek P	✓		EEE	6362322609	Abhishek P
47	SHRIHAR R	✓		EEE	9019169191	SHRIHAR R
48	Sudheep T	✓		EEE	938352422	Sudheep T
49	Rekha Singh NA	✓		EEE	2676932629	Rekha Singh NA
50	Pooja P	✓		EEE	6362063301	Pooja P
51	Chennu K.M	✓		EEE	8431749505	Chennu K.M
52						
53						
54						
55						

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 Head of the Dept.  
 Electrical & Electronics Engg.  
 S.J.M.I.T, Chitradurga-577 502

## Photographs of the Event:



**Inauguration**



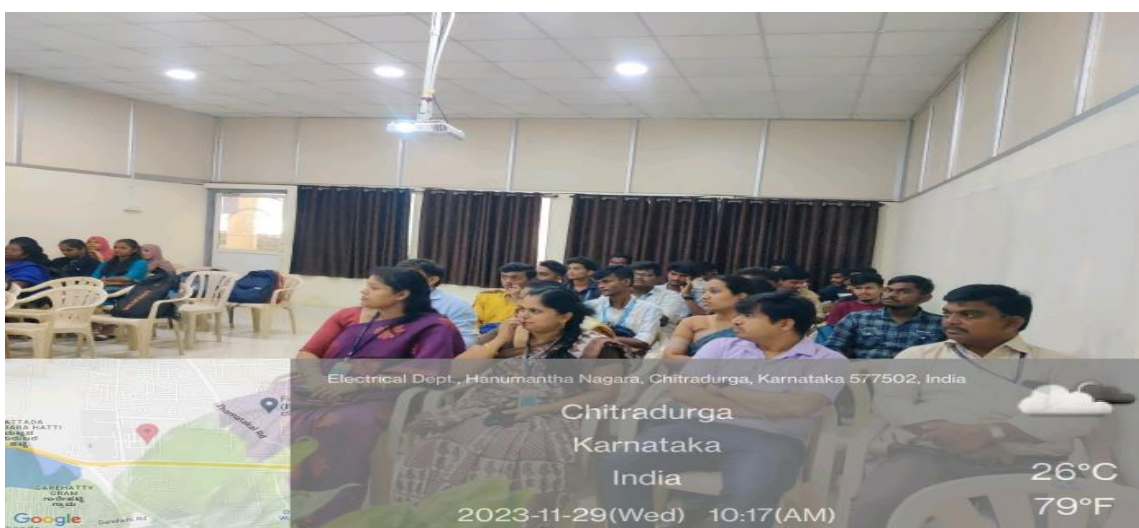
**Speech by Principal**



**Speech by HOD,EEE Dept.**



**Speech by IQAC Coordinator &  
HOD, Mechanical Engg Dept.**



**Students & Faculty Members**

## Key Outcome:

1. It successfully raised understanding the problems to think innovative ideas among individuals.
2. It motivated individuals to think innovative ideas for future projects.

These outcomes of the “Problem Solving and Ideation Workshop” on the theme “Innovation” demonstrate the transformative impact and inspiring students for innovative projects.



## ಸಂಶೋಧನೆಯಲ್ಲಿನ ಸಮಸ್ಯೆಗಳನ್ನು ನಿವಾರಿಸಿಕೊಳ್ಳಲು ಸಮಚಿತ್ತ ಅಗತ್ಯ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಭರತ್ ಅಭಿಮತ



ಚಿತ್ರದುರ್ಗದ ಎಸ್‌ಜಿಎಂಐಟಿಯಲ್ಲಿ ಆಯೋಜಿಸಿದ್ದ ಕಾರ್ಯಾಗಾರವನ್ನು ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಪಿ.ಬಿ.ಭರತ್ ಉದ್ಘಾಟಿಸಿದರು.

### • ಕನ್ನಡಪ್ರಭ ವಾರ್ತೆ ಚಿತ್ರದುರ್ಗ

ತಾಂತ್ರಿಕ ಕ್ಷೇತ್ರದ ಸಂಶೋಧನೆಗಳಲ್ಲಿ ಹೊಸ ಸಮಸ್ಯೆಗಳು ಎದುರಾಗುತ್ತಿರುತ್ತವೆ. ಕ್ಲಿಷ್ಟಕರ ಸಮಸ್ಯೆಗಳು ಬಂದಾಗ ಸಾವಧಾನದಿಂದ ಅರ್ಥ ಮಾಡಿಕೊಂಡು ಅವುಗಳಿಗೆ ಪರಿಹಾರ ಕಂಡುಕೊಂಡು ಮುಂದೆ ಸಾಗಬೇಕು ಎಂದು ಎಸ್‌ಜಿಎಂ ತಾಂತ್ರಿಕ ಮಹಾ ವಿದ್ಯಾಲಯದ ಪ್ರಾಚಾರ್ಯ ಡಾ.ಪಿ.ಬಿ.ಭರತ್ ಅಭಿಪ್ರಾಯಪಟ್ಟರು.

ನಗರದ ಎಸ್‌ಜಿಎಂ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಎಲೆಕ್ಟ್ರಿಕಲ್ ಮತ್ತು ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ವಿಭಾಗದ ವತಿಯಿಂದ ಆಯೋಜಿಸಿದ್ದ ಹೊಸ ಆವಿಷ್ಕಾರಗಳಲ್ಲಿ ಕಂಡುಬರುವ ಸಮಸ್ಯೆಗಳು ಹಾಗೂ ಪರಿಹಾರಗಳು ಕುರಿತ ಕಾರ್ಯಾಗಾರ ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದರು.

ತಾಂತ್ರಿಕ ಕ್ಷೇತ್ರದಲ್ಲಿ ನಿತ್ಯವೂ ಸವಾಲುಗಳ ಎದುರಾಗುತ್ತಿರುತ್ತವೆ. ಅಧ್ಯಯನ ಮತ್ತು ಸಮಸ್ಯೆಗಳನ್ನು ಸರಿ ದಿಕ್ಕಿನಲ್ಲಿ ಗ್ರಹಿಸಿ ಉತ್ತರವನ್ನು ಕಂಡು ಕೊಳ್ಳಬೇಕಿದೆ. ತಾಂತ್ರಿಕ ಕ್ಷೇತ್ರವನ್ನು ಗಂಭೀರವಾಗಿ ಪರಿಗಣಿಸಿ ಅಧ್ಯಯನದಲ್ಲಿ ತೊಡಗಬೇಕೆಂದು ಹೇಳಿದರು.

ಸಂಪನ್ಮೂಲ ವ್ಯಕ್ತಿಯಾಗಿ ಆಗಮಿಸಿದ್ದ ಅಭಯನ್‌ಟ್ರಿಕ್ ಸಾಪ್ ಲ್ಯಾಬ್‌ನ ಮಲ್ಲೇಶ್ ಮಾತನಾಡಿ, ತಾಂತ್ರಿಕ ಕ್ಷೇತ್ರದ ಆವಿಷ್ಕಾರಗಳಲ್ಲಿ ನವೀನ ಸಮಸ್ಯೆಗಳು ಕಂಡುಬರುತ್ತಿದ್ದು, ಅವುಗಳನ್ನು ಗುರುತಿಸಿ ಅವುಗಳಿಗೆ ಪರಿಹಾರ ಕಂಡುಕೊಳ್ಳಬೇಕು ಎಂದು ತಿಳಿಸಿದರು.

ಎಲೆಕ್ಟ್ರಿಕಲ್ ಮತ್ತು ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಕುಮಾರಸ್ವಾಮಿ ಬಿ.ಜಿ ಮಾತನಾಡಿ, ವಿದ್ಯಾರ್ಥಿ ದೆಸೆಯಿಂದ ಆವಿಷ್ಕಾರಗಳ ಕಡೆಗೆ ಗಮನ ಹರಿಸುವುದರಿಂದ ಭವಿಷ್ಯದಲ್ಲಿ ಸಂಶೋಧನೆಯಲ್ಲಿ ತೊಡಗಿಸಿಕೊಂಡಾಗ ಎದುರಾಗುವ ಸಮಸ್ಯೆಗಳನ್ನು ಸುಲಭವಾಗಿ ಬಗೆಹರಿಸಬಹುದು ಎಂದರು. ಡಾ.ಜಗನ್ನಾಥ್ ಎನ್, ಪ್ರೊ.ಮಾರುತಿ ನಾಯಕ್ ಆರ್‌ಕೆ, ಪ್ರೊ.ಮಧುಕುಮಾರ್‌ಹಾಗೂ ಸಿಬ್ಬಂದಿ ಇದ್ದರು. ಸಿಂಚನಾ ಟಿ ನಿರೂಪಿಸಿದರು. ಸೋನಿಯಾ ಸ್ವಾಗತಿಸಿದರು. ಚಂದನ ಎನ್ ವಂದಿಸಿದರು.



# Feedback:



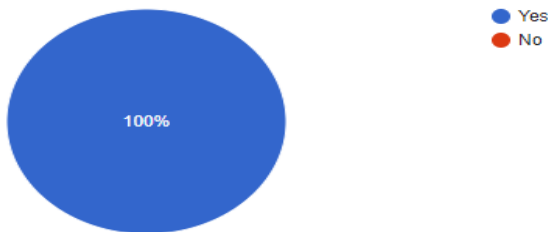
**Student Feedback**



**Feedback from Resource Person**

The participants expressed that session on Problem Solving and Ideation Workshop was very informative and many of them got idea how to understand the problems, think and look for innovative solutions for future projects. They were satisfied and expressed that more of such sessions should be organized in future.

**2. Did the session inspire you for innovative ideas**



**5. How would you rate the Overall impact of the motivational session**

16 responses

