



Report on Workshop on Design Thinking, Critical Thinking, and Innovation Design

Event: Workshop on “Design Thinking, Critical Thinking, and Innovation Design”

Date: January 27, 2025

Organizer: Institution Innovation Council (IIC), Anantha Lakshmi Institute of Technology & Sciences (ALTS), Ananthapuramu.

Resource Person: Dr. Muralidhar Kurni, Chairman, IIC, ALTS.

Introduction

The Institution Innovation Council (IIC) of Anantha Lakshmi Institute of Technology & Sciences (ALTS), Ananthapuramu organized a Workshop on “Design Thinking, Critical Thinking, and Innovation Design” on January 27, 2025, at 03:00 PM in the Seminar Hall.

The workshop aimed to equip first-year students with essential problem-solving and creative thinking skills crucial for innovation and entrepreneurship. The session provided participants hands-on experience and interactive discussions to enhance their ability to analyze problems, ideate solutions, and design innovative products or processes.

The initiative aligns with the IIC’s objective of fostering innovation, creativity, and critical thinking among young people and preparing them to tackle real-world challenges effectively.

Objectives

- To introduce students to the fundamentals of design thinking, critical thinking, and innovation.
 - To encourage creative problem-solving and analytical skills among students.
 - To provide practical insights and hands-on experience in the design thinking process.
 - To promote a culture of innovation and entrepreneurship in the institution.
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Key Highlights of the Workshop

Inaugural Session:

- **Welcome Address:** The workshop began with a warm welcome by **Dr. Muralidhar Kurni, Chairman, IIC, ALTS**, who emphasized the **importance of design thinking and critical thinking in fostering innovation and entrepreneurship**.
- **Keynote Address:** Dr. Kurni highlighted the **role of structured thinking processes in problem-solving** and discussed **how creative approaches can lead to groundbreaking innovations** in various domains.

Interactive Workshop Sessions:

Session 1: Understanding Design Thinking

- **Dr. Muralidhar Kurni** introduced students to the **five key stages of Design Thinking**:
 - **Empathize** – Understanding the user’s needs.

- **Define** – Identifying and framing the problem.
- **Ideate** – Brainstorming creative solutions.
- **Prototype** – Developing initial models or concepts.
- **Test** – Refining and improving solutions based on feedback.
- The session included **real-world case studies** to demonstrate the **practical applications of design thinking** in various industries.

Session 2: Critical Thinking and Problem-Solving

- This session focused on **developing logical reasoning and structured problem-solving approaches** through:
 - **Breaking down complex problems** into manageable steps.
 - **Hands-on exercises** to enhance strategic and analytical thinking.
 - **Interactive discussions** on the role of **critical thinking in decision-making and innovation**.

Session 3: Innovation Design

- Dr. Kurni led a **group brainstorming activity**, where students worked collaboratively to **develop innovative solutions** for real-world challenges.
- The session emphasized the **importance of creativity, iteration, and prototyping** in the innovation process.

Interactive Dialogue with Participants:

- The workshop encouraged **active student participation**, allowing them to **share ideas, ask questions, and engage in discussions** on the significance of **critical thinking, problem-solving, and innovation**.
- Dr. Kurni provided **insights into practical applications of design thinking** in both **academia and industry**.

Closing Remarks:

- The workshop concluded with a **final address by Dr. Muralidhar Kurni**, who reinforced the **importance of continuous learning, creative problem-solving, and an innovative mindset** in shaping future careers.

Participants

- First-year students from various engineering branches at ALTS attended the workshop.
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Outcomes

- The workshop gave students a **comprehensive understanding of design thinking and critical thinking techniques**, enabling them to approach problems with **structured and innovative solutions**. Through **hands-on activities and brainstorming sessions**,

participants **enhanced their problem-solving skills**, learning to analyze challenges from multiple perspectives. Additionally, the workshop fostered a **culture of collaboration, creativity, and innovation**, encouraging students to apply these concepts in both academic and real-world scenarios.

Conclusion

The **Workshop on “Design Thinking, Critical Thinking, and Innovation Design”** successfully achieved its goal of equipping students with essential **creative and analytical thinking skills**. The event provided a **dynamic platform for young minds** to explore and apply **innovative problem-solving approaches**. By instilling a **design thinking mindset**, the workshop empowered students to think critically, **embrace creativity**, and **develop innovative solutions** for challenges in their academic and professional careers.

Event Photos



Figure 1: Dr. Muralidhar Kurni Explaining Design Thinking Concepts.



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INSTITUTE OF TECHNOLOGY & SCIENCES

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(Approved by A.I.C.T.E, New Delhi, Accredited by NBA & NAAC, and Affiliated to J.N.T. University Anantapur)
Near SK University, Itikalapalli-515 721 (V), Anantapuramu (Dist.)



Figure 2: Dr. Muralidhar Kurni Explaining Critical Thinking Concepts.



Figure 3: Interactive Session on Innovation Design.



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List of Participants



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List of Participants

Event Name: Workshop on Design Thinking, Critical Thinking & Innovation Design
Venue: Seminar Hall
Date: 27-01-2023s



S. No.	Roll Number	Name of the Student	Signature
1.	242G1A0208	C. Sai Sharanya	C. Sai Sharanya
2.	242G1A0211	D. Prasanna	D. Prasanna
3.	242G1A0233	P. Lavanya	P. Lavanya
4.	242G1A0222	K. V. G. Sai Priya	K. V. G. Sai Priya
5.	242G1A0221	K. G. ManasKanda	K. G. ManasKanda
6.	242G1A0526	V. S. V. Varshini	V. S. V. Varshini
7.	242G1A0525	V. Lalitha	V. Lalitha
8.	242G1A0501	C. Bharathi	C. Bharathi
9.	242G1A33C8	V. AKSHAYA	V. AKSHAYA
10.	242G1A33D1	Y. Varshitha Reddy	Y. Varshitha Reddy
11.	242G1A33A5	M. Harika Rani	M. Harika Rani
12.	242G1A33A6	M. Sumana	M. Sumana
13.	242G1A05V8	T. Vani	T. Vani
14.	242G1A05P7	M. Sai Obulamma	M. Sai Obulamma
15.	242G1A3392	G. Thanuja	G. Thanuja
16.	242G1A3393	G. Manasa	G. Manasa
17.	242G1A33A4	L. Ragasree	L. Ragasree
18.	242G1A05E1	V. Archana	V. Archana
19.	242G1A0589	E. Keertana	E. Keertana
20.	242G1A0583	C. V. Chandana	C. V. Chandana
21.	242G1A3385	A. Ayesha	A. Ayesha
22.	242G1A3391	G. Harshitha	G. Harshitha
23.	242G1A3373	B. Rajaree	B. Rajaree
24.	242G1A04G9	T. Sowmya	T. Sowmya
25.	242G1A04H2	V. Keertana	V. Keertana
26.	242G1A04D5	K. Sai Eswari	K. Sai Eswari
27.	242G1A05T6	B. Vyshnavi	B. Vyshnavi
28.	242G1A04G5	T. Prasanthi	T. Prasanthi
29.	242G1A04A8	A. Prasanna	A. Prasanna



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30	242G1A04A9	B. Bargavi	B. Bargavi
31	242G1A04C1	D. Sushma latha	D. Sushma latha
32	242G1A04D1	J. Ramya Sree	J. Ramya Sree
34	242G1A04B6	C. Amulya	C. Amulya
35	242G1A04G9	M. Lakshmi	M. Lakshmi
36	242G1A05L5	D. Ramya Sree	D. Ramya Sree
37	242G1A05L7	R. suamitha	R. suamitha
38	242G1A04C0	D. Yamuna	D. Yamuna
39	242G1A04B5	B. Nandini	B. Nandini
40	242G1A05L3	V. Tejaswini	V. Tejaswini
41	242G1A05L1	T. Ruchitha	T. Ruchitha
42	242G1A05F3	B. Bhargavi	B. Bhargavi
43	242G1A05B6	C. Jyothi sree lakshmi	C. Jyothi sree lakshmi
44	242G1A05V9	K. Flameeda thabassum	K. Flameeda
45	242G1A05T7	B. shravani	B. shravani
46	242G1A05K6	S. farheen	S. farheen
47	242G1A05K7	S. Khizra fathima	S. Khizra fathima
48	242G1A05A1	K. Roopasree	K. Roopasree
49	242G1A04D3	J. Prathibha	J. Prathibha
49	242G1A04D3	J. Prathibha	J. Prathibha
50	242G1A05J5	S. Ranjitha	S. Ranjitha
51	242G1A05F5	B. Bhagyalakshmi	B. Bhagyalakshmi
52	242G1A05H6	M. Swathi	M. Swathi
53	242G1A05F2	B. Harshitha	B. Harshitha
54	242G1A0592	G. Hemadree	G. Hemadree
55	242G1A0598	J. Thiriveni	J. Thiriveni
56	242G1A05D9	T. Rukya	T. Rukya
57	242G1A05A3	K. N. Harshitha	K. N. Harshitha
58	242G1A05C9	S. kavya	S. kavya



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60	242G1A05L4	V. Hansika	V. Hansika
61	242G1A05G0	G. Kushiha Keddy	G. Kushiha Keddy
62	242G1A05F9	G. Bhavitha Sree	G. Bhavitha Sree
63	242G1A05D4	S. Thahaseen Sulthana	S. Thahaseen Sulthana
64	242G1A05D1	P. Solomya	P. Solomya
65	242G1A05C2	P. Lobitha	P. Lobitha
66	242G1A05D6	S. Ramya	S. Ramya
67	242G1A05D5	S. Tubafarheen	S. Tubafarheen
68	242G1A0593	G. Kushiha	G. Kushiha
69	242G1A0596	G. Sowmya	G. Sowmya
70	242G1A05B8	N. Poojitha	N. Poojitha
71	242G1A05X9	R. Yamini	R. Yamini
72	242G1A0578	B. Xiravishnu	B. Xiravishnu
73	242G1A05D0	S. Mohammed Zaid	S. Zaid
74	242G1A05F1	B. Ajay Kumar	B. Ajay Kumar
75	242G1A05H5	M. Siva Kumar	M. Siva Kumar
76	242G1A05K4	S. Md. Subar	S. Subar
77	242G1A05K3	S. Md. Thausif	S. Thausif
78	242G1A05H9	N. Nandankumar	N. Nandankumar
79	242G1A05A9	M. Mohammad Sameer	M. Sameer
80	242G1A05D3	S. Md. Khajir Nawaz	S. Md. Khajir Nawaz
81	242G1A05A0	K. Om Sai Charan	K. Om Sai Charan
82	242G1A05Y5	S. Prabhas	S. Prabhas
83	242G1A05H0	K. Harisha Vardhan Reddy	K. Harisha Vardhan Reddy
84	242G1A04A5	A. Manikanta	A. Manikanta