



R.M.D.ENGINEERINGCOLLEGE
(An Autonomous Institution)
R.S.M.NAGAR, KAVARAPETTAI-601206



Activity Name	Challenges & Opportunities For A Young Innovator
Mode of Conduct	Physical
Date / Time	28.11.2024/01.30PM
Objectives	The objective of exploring the "Challenges & Opportunities for a Young Innovator" is to: Identify Key Barriers: Highlight the specific obstacles young innovators face, such as limited resources, lack of experience, or skepticism, to better understand the hurdles in their path. Understand Potential Pathways: Illuminate the opportunities available to young innovators, including access to technology, mentorship, funding, and a global market. Encourage Problem-Solving: Inspire innovative approaches to overcoming challenges, fostering resilience and adaptability. Promote Awareness: Raise awareness among stakeholders—educators, policymakers, investors, and mentors—about the needs and potential of young innovators to create supportive environments. Empower and Motivate: Equip young innovators with actionable insights and strategies to navigate their journey, build confidence, and motivate them to pursue their ideas. Foster Innovation Culture: Contribute to the development of an ecosystem that celebrates and supports youth innovation, driving creativity and progress.
Benefits in terms of Learning/Skill / Knowledge obtained	The process of navigating the challenges and opportunities as a young innovator offers numerous benefits in terms of learning, skill development, and knowledge acquisition. Here's a breakdown: Learning Benefits: Resilience and Adaptability: - Overcoming challenges teaches innovators how to adapt to setbacks, pivot ideas, and remain persistent in the face of obstacles. Problem-Solving: - Tackling real-world problems fosters critical and creative thinking skills, enabling innovators to devise practical and innovative solutions. Entrepreneurial Thinking: - Exposure to opportunities like startup ecosystems helps develop an entrepreneurial mindset, including risk assessment, value creation, and resource optimization. Global Perspective: - Engaging with diverse markets and audiences enhances understanding of global needs, cultural nuances, and international collaboration.

	Skill Development: Technical Skills: - Building prototypes, leveraging technology, and using digital tools enhance technical competencies in areas like coding, design, and engineering. Leadership and Collaboration: - Leading projects or teams helps develop leadership qualities, while working with mentors, peers, or interdisciplinary teams strengthens collaboration skills. Communication and Pitching: - Presenting ideas to stakeholders, pitching to investors, or engaging with the public enhances verbal and written communication abilities. Project and Time Management: - Balancing innovation projects with other commitments sharpens organizational and time-management skills. Financial Acumen: - Securing funding, managing budgets, and monetizing ideas foster financial literacy and business management skills.
Participants	II AIML Students and All Faculties
Description	In today's dynamic and fast-paced world, young innovators play a vital role in driving progress and solving pressing issues. However, their journey is marked by a unique blend of challenges and opportunities, which shape their path and contribute to their growth. Challenges Limited Resources: - Many young innovators face financial constraints, limited access to advanced technology, and a lack of infrastructure to develop and test their ideas. Experience Deficit: - As newcomers to their fields, they may lack practical experience and industry knowledge, making it harder to navigate complex environments. Skepticism and Resistance: - Youth often face skepticism from potential investors, mentors, or peers, who may perceive their ideas as risky or immature. Balancing Commitments: - Many young innovators are students or early-career professionals, juggling education, personal responsibilities, and innovation pursuits. Fear of Failure: - The possibility of rejection, setbacks, or unsuccessful attempts can be daunting and discourage persistence. Opportunities Access to Technology: - The availability of digital tools, open-source software, and affordable hardware allows young innovators to turn ideas into prototypes with fewer barriers. Supportive Ecosystems: - Numerous accelerators, incubators, mentorship programs, and innovation competitions are designed to support youth-driven projects. Global Connectivity:

- The internet and social media provide a platform to share ideas, collaborate with others globally, and access diverse knowledge pools.
4. **Market Demand for Innovation:**
- Societies increasingly value fresh perspectives and new solutions to address challenges in sustainability, health, and technology.
5. **Recognition and Funding:**
- Governments, organizations, and private investors are eager to support young talent through grants, scholarships, and funding opportunities.

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING INSTITUTION'S INNOVATION COUNCIL

Organizes a Session on

Challenges & Opportunities for a Young Innovator

By
Dr. Badi Alekhyia,
Innovation Ambassador
R.M.D. Engineering College



 **AIML Seminar Hall**

 **1.30 PM**

 **28.11.2024, Thursday**

Organizing Committee

Smt.Manjula Munirathinam Chairperson	Shri.R.S., Munirathnam Founder & Chairman	Shri .R. Jothi Naidu Director	Shri.R.M Kishore Vice - Chairman	Shri. Yalamanchi Pradeep Secretary	Dr. Durgadevi Pradeep Vice – Chairperson
Smt. Sowmya Kishore Trustee	Dr. M S. Palanichamy Advisor	Dr. N. Anbuezhian Principal	Dr. K. K. Thyagarajan Dean Research	Dr. C.S. Anita Prof &Head	Dr.C. Bennila Thangammal IIC Convenor
				Mrs. K. Gayathri Devi IIC Co-Ordinator	

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List of Student Participants:

S.No	Register No	Name
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2	111523204002	Apparna R
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61	111523204063	Polavaram Chethana

List of Faculty Participants:

S.No	Name of the Faculty
1	Dr. C.S. ANITA
2	Dr.K.SUDHARSON
3	Dr C.AMBHIKA
4	Dr..BADI ALEKHYA
5	Mrs.S.REMYA ROSE
6	Mr.N.SATHISH KUMAR
7	Mr.DHAKSHUNHAAMOORTHY
8	Mrs.K.DIVYA
9	Mrs.M.MONISHA
10	Mrs.K.GAYATHRI DEVI



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Activity Name	Problem Solving and Ideation Workshop
Mode of Conduct	Physical
Date / Time	15.11.2024/9.20AM
Objectives	The Problem-Solving and Ideation Workshop aims to foster creativity, critical thinking, and structured innovation among participants by equipping them with the tools and techniques needed to identify problems, generate innovative ideas, and develop viable solutions. Key Objectives: 1. Encourage Creative Thinking – Help participants think outside the box and approach challenges with a fresh perspective. 2. Develop Problem-Solving Skills – Equip individuals with structured frameworks (e.g., Design Thinking, Root Cause Analysis) to analyze and solve problems effectively. 3. Foster Innovation – Promote idea generation techniques (e.g., Brainstorming, SCAMPER, Mind Mapping) to develop innovative and impactful solutions. 4. Enhance Decision-Making Abilities – Enable participants to evaluate ideas systematically and select the most feasible and scalable solutions. 5. Promote Team Collaboration – Encourage teamwork, communication, and diverse perspectives in problem-solving. 6. Bridge the Gap Between Ideas and Execution – Guide participants on transforming ideas into actionable plans and prototypes. 7. Prepare for Real-World Challenges – Apply problem-solving techniques to business, social, and technological challenges for practical impact. This workshop provides hands-on learning experiences, real-world case studies, and interactive activities to help participants refine their problem-solving approach and cultivate an innovation-driven mindset.
Benefits in terms of Learning/Skill / Knowledge obtained	This workshop can result in creative solutions and enhanced procedures by encouraging imagination, teamwork, and methodical thinking. 1. Learning Benefits • Structured Problem-Solving Approaches – Understanding frameworks like Design Thinking, Root Cause Analysis, and the 5 Whys. • Innovation Techniques – Learning ideation methods such as Brainstorming, SCAMPER, and Mind Mapping. • Critical Thinking & Decision-Making – Gaining the ability to analyze situations logically and make informed choices.

	• Collaboration & Teamwork – Learning how to work effectively in groups to generate and refine ideas. • Adaptability & Resilience – Developing a mindset to embrace challenges, experiment with solutions, and iterate ideas. 2. Skill Development • Creative Thinking – Enhancing the ability to generate original and innovative ideas. • Analytical & Logical Reasoning – Strengthening skills to break down complex problems and find effective solutions. • Communication & Presentation – Improving the ability to articulate ideas clearly and persuasively. • Prototyping & Execution – Learning how to convert ideas into tangible concepts, models, or business plans. • Leadership & Collaboration – Building confidence in leading discussions, managing group dynamics, and making collective decisions. 3. Knowledge Gained • Problem Identification & Framing – Understanding how to recognize real-world challenges and define them clearly. • Market & User Research – Learning how to validate problems through customer insights and data analysis. • Business & Social Innovation – Gaining exposure to how ideas can be applied in entrepreneurship and social impact projects. • Technology & Digital Tools – Exploring how digital solutions can enhance problem-solving processes. • Iterative Development & Testing – Understanding the importance of refining ideas based on feedback and experimentation. By participating in a Problem-Solving and Ideation Workshop, individuals become more innovative, adaptable, and equipped to tackle real-world challenges with confidence and creativity.
Participants	II AIML Students and All Faculties
Description	1. Problem-Solving Techniques • Understanding the Problem: ○ Identifying and defining real-world problems effectively. ○ Analyzing root causes using methods like the 5 Whys, Fishbone Diagram, and Root Cause Analysis. • Decision-Making Frameworks: ○ Learning structured approaches such as Design Thinking, First Principles Thinking, and SWOT Analysis. ○ Applying logic-based problem-solving strategies to find optimal solutions. • Critical Thinking & Problem Framing: ○ Developing logical reasoning and questioning assumptions. ○ Refining problem statements to ensure clarity and actionability.

2. Ideation and Creativity Techniques

- **Brainstorming & Divergent Thinking:**
 - Using structured idea generation methods like **Mind Mapping, SCAMPER, and Random Word Association.**
 - Encouraging out-of-the-box thinking and unconventional solutions.
- **Evaluating & Refining Ideas:**
 - Prioritizing and selecting the best ideas through feasibility analysis.
 - Testing concepts through prototyping and iterative development.
- **Real-World Applications & Case Studies:**
 - Examining successful innovations and entrepreneurial ventures.
 - Learning from real-world problem solvers and their strategic approaches.

3. Collaboration and Communication

- **Team-Based Problem Solving:**
 - Enhancing teamwork, collaboration, and idea-sharing.
 - Encouraging cross-disciplinary thinking and diverse perspectives.
- **Pitching & Presenting Ideas:**
 - Developing storytelling techniques for presenting ideas persuasively.
 - Receiving constructive feedback and improving solutions based on insights.

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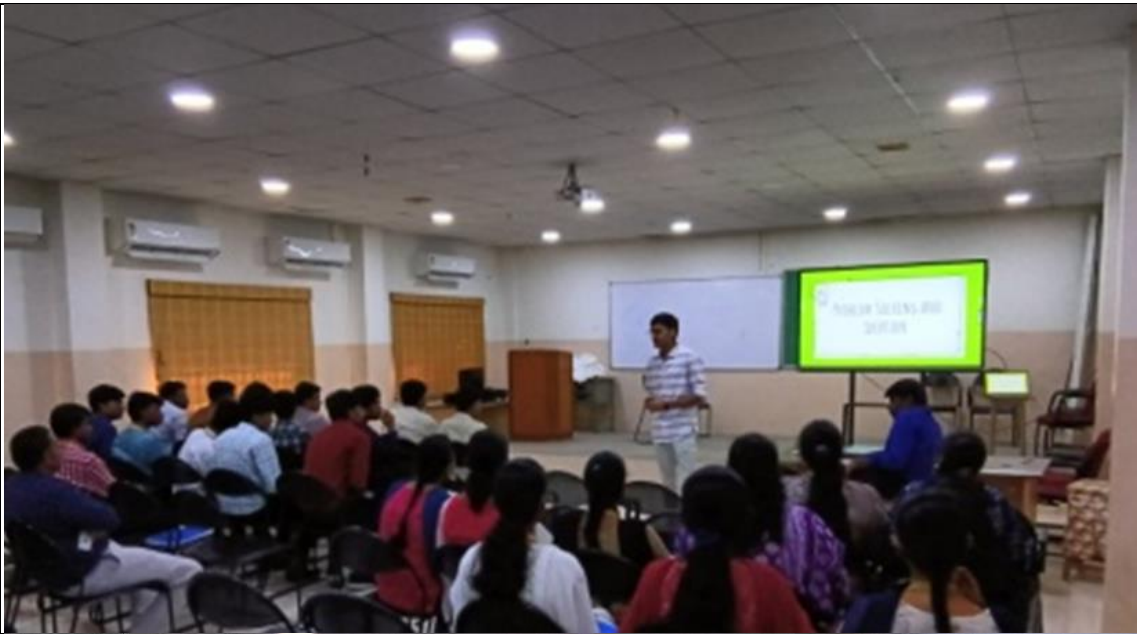
PROBLEM SOLVING AND IDEATION WORKSHOP
By
Mr. M. Manish
Business Strategy Associate
MannIT Technolabs

AIML Seminar Hall
9.30 AM
15.11.2024, Friday

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