DHANALAKSHMI SRINIVASAN
COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai)
Accredited by NAAC "A+" and NBA (Aero, CSE, ECE, EEE, IT, Mech, MBA),
East Coast Road, Mamallapuram, Chennai – 603 104, Chengalpattu Dt, Tamil Nadu.

MSME IDEA HACKATHON 6.0

EVENT REPORT

Date: 20 August 2026
Time: 9:30 AM – 5:30 PM
Venue: Seminar Hall
Organized at: Dhanalakshmi Srinivasan College of Engineering and Technology
Location: East Coast Road, Mamallapuram, Chennai – 603104

EVENT PROFILE

Particular	Details
Name of Event	MSME Idea Hackathon 6.0
Date	20 August 2026
Time	9:30 AM – 5:30 PM
Venue	Seminar Hall, DSCET
Total Ideas Received	**58**
Ideas Recommended	**27**
Ideas Not Recommended	**31**
Evaluation Panel	8 Experts
Event Focus	Innovation, Entrepreneurship, Technology and MSME Development

CHIEF GUESTS / THEME EXPERTS

Dr. P. Muthuvel
Group Director / Scientist-G
National Institute of Ocean Technology (NIOT), Chennai

Shri K. Thirumurugan
Scientist-E
National Institute of Ocean Technology (NIOT), Chennai



INTRODUCTION, OBJECTIVES AND PROGRAMME

1. INTRODUCTION

The **MSME Idea Hackathon 6.0** was organized at Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai, on **20 August 2026**. The event provided a platform for innovators, students, researchers and aspiring entrepreneurs to present innovative ideas before a multidisciplinary expert panel.

The programme was designed to encourage creativity, entrepreneurship and technology. development and practical problem-solving. The event also promoted interaction among academia, industry, research organizations and entrepreneurs.

A total of **58 ideas** were received and evaluated by the expert panel. Based on the evaluation process, **27 ideas were recommended**, while **31 ideas were not recommended** at this stage.

2. OBJECTIVES

The major objectives of the hackathon were:

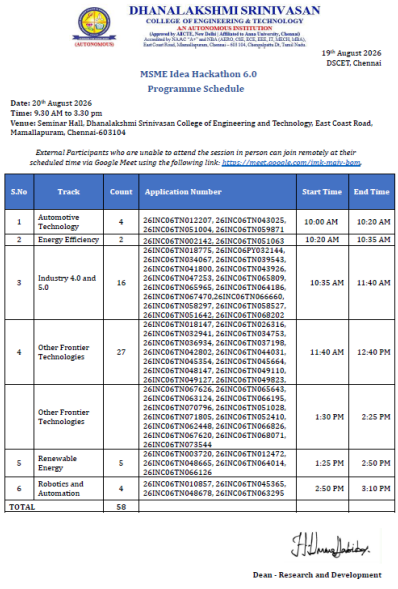
1. To encourage innovation and creative problem-solving.
2. To identify promising ideas with potential for further development.
3. To promote entrepreneurship and startup culture.
4. To provide expert guidance to innovators.
5. To encourage industry-academia interaction.

6. To identify technology-based solutions for real-world problems.
7. To facilitate product development and commercialization.
8. To promote interdisciplinary innovation.
9. To create awareness about entrepreneurial opportunities.
10. To encourage participants to transform ideas into feasible solutions.

3. AGENDA / PROGRAMME SCHEDULE

Time	Programme
9:30 – 10:00 AM	Welcome and Introduction to MSME Idea Hackathon 6.0
10:00 – 10:15 AM	Inaugural Address / Expert Remarks
10:15 AM – 1:30 PM	Idea Presentations and Expert Evaluation – Session I
1:30 – 2:00 PM	Lunch Break
2:00 – 5:00 PM	Idea Presentations and Expert Evaluation – Session II
5:00 – 5:10 PM	Consolidation of Evaluation Results
5:10 – 5:20 PM	Expert Feedback and Interaction
5:20 – 5:30 PM	Vote of Thanks and Conclusion

MSME Idea Hackathon 6.0-Programme Schedule



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East Coast Road, Mamallapuram, Chennai – 603 104, Chengalpattu Dt, Tamil Nadu.

19th August 2026
DSCET, Chennai

MSME Idea Hackathon 6.0
Programme Schedule

Date: 20th August 2026
Time: 9.30 AM to 3.30 pm
Venue: Seminar Hall, Dhanalakshmi Srinivasan College of Engineering and Technology, East Coast Road, Mamallapuram, Chennai-603104

External Participants who are unable to attend the session in person can join remotely at their scheduled time via Google Meet using the following link: https://meet.google.com/jmk-mqtv-bem

S.No	Track	Count	Application Number	Start Time	End Time
1	Automotive Technology	4	26INC06TN012207, 26INC06TN043025, 26INC06TN051004, 26INC06TN059871	10:00 AM	10:20 AM
2	Energy Efficiency	2	26INC06TN002142, 26INC06TN051063	10:20 AM	10:35 AM
3	Industry 4.0 and 5.0	16	26INC06TN018775, 26INC06PY032144, 26INC06TN034067, 26INC06TN039543, 26INC06TN041800, 26INC06TN043926, 26INC06TN047253, 26INC06TN065809, 26INC06TN065965, 26INC06TN064186, 26INC06TN067470,26INC06TN066660, 26INC06TN058297, 26INC06TN058527, 26INC06TN051642, 26INC06TN068202	10:35 AM	11:40 AM
4	Other Frontier Technologies	27	26INC06TN018147, 26INC06TN026316, 26INC06TN032941, 26INC06TN034753, 26INC06TN036934, 26INC06TN037198, 26INC06TN042802, 26INC06TN044031, 26INC06TN045354, 26INC06TN045664, 26INC06TN048147, 26INC06TN049110, 26INC06TN049127, 26INC06TN049823,	11:40 AM	12:40 PM
	Other Frontier Technologies		26INC06TN067626, 26INC06TN065643, 26INC06TN063124, 26INC06TN066195, 26INC06TN070796, 26INC06TN051028, 26INC06TN071805, 26INC06TN052410, 26INC06TN062448, 26INC06TN066826, 26INC06TN067620, 26INC06TN068071, 26INC06TN073544	1:30 PM	2:25 PM
5	Renewable Energy	5	26INC06TN003720, 26INC06TN012472, 26INC06TN048665, 26INC06TN064014, 26INC06TN066126	1:25 PM	2:50 PM
6	Robotics and Automation	4	26INC06TN010857, 26INC06TN045365, 26INC06TN048678, 26INC06TN063295	2:50 PM	3:10 PM
TOTAL		58			

Dean - Research and Development



Inaugural session of MSME Idea Hackathon 6.0 **- Introduction of Chief Guests and Expert Panel by Convener**



Inaugural session of MSME Idea Hackathon 6.0**-Inaugural Address / Expert Remarks**



Inaugural session of MSME Idea Hackathon 6.0-Inaugural Address / Expert Remarks

4. EXPERT EVALUATION PANEL

The hackathon was evaluated by a multidisciplinary panel representing research, industry, entrepreneurship, technical expertise and academia.

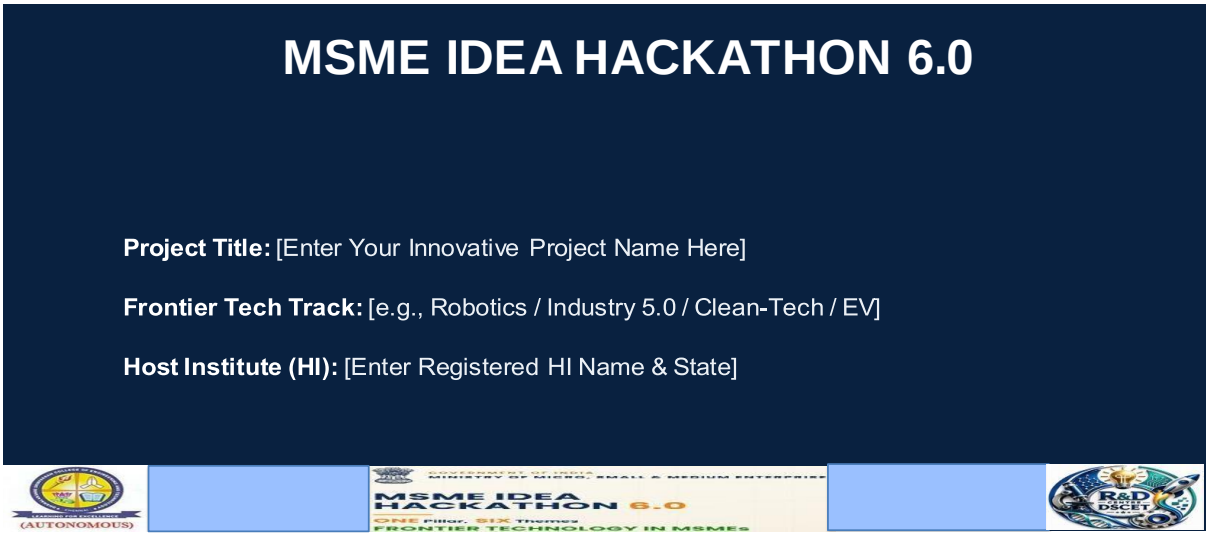
S. No.	Category	Expert	Designation & Organization
1	Theme Expert	**Dr. P. Muthuvel**	Group Director / Scientist-G, NIOT, Chennai
2	Theme Expert	**Shri K. Thirumurugan**	Scientist-E, NIOT, Chennai
3	Entrepreneur	**Shri K. Senthil Kumar**	Founder & Managing Director, Orbit Edu Tech Pvt. Ltd., Chennai
4	Technical Expert	**Shri S. Aravindh Kumar**	Research Associate, Orbit Edu Tech Pvt. Ltd., Chennai
5	Academician	**Dr. K. Selva Bharathi**	Professor, Department of Mechanical Engineering, DSCET
6	Academician	**Dr. H. Umma Habiba**	Professor & Dean, Research and Development Center, DSCET
7	Academician	**Dr. Anita Warrier**	Professor, Research and Development Center, DSCET
8	Academician	**Dr. S. Narendran**	Associate Professor, Department of Computer Science, DSCET

5. EVALUATION CRITERIA

The ideas were reviewed from multiple perspectives, including:

- Innovation and originality
- Problem identification
- Technical feasibility
- Practical applicability
- Market relevance
- Commercial potential
- Scalability
- Entrepreneurship potentialSocial and economic impact
- Sustainability
- Scope for further development

Model PPT





2. Proposed Innovation & Technical Core

Core Technological Solution:

- Describe your innovation and how it operates in simple, highly absolute terms.
- Map it directly to your chosen MSME Frontier Technology track.

Unique Selling Proposition (USP):

- What makes this approach distinct from local or global competitors?
- Highlight affordability, high modularity, or ease of local adoption.

Technical Architecture & Feasibility:

- Note the fundamental technical components involved (IoT, AI, automation).
- [Tip: Place a system schematic, flow chart, or 3D CAD render in this space].

Proof of Concept Status:

- Current stage: Idea, digital simulation, lab model, or early prototype.

3. Business Model, Commercialization & Market Size

Revenue Generation Framework:

- Direct product sales, B2B hardware leasing, or software subscription (SaaS).
- Detail the initial pricing model optimized for micro-scale enterprises.

Go-To-Market (GTM) Strategy:

- How will you acquire your first 10, 50, and 100 business clients?
- Strategic partnerships via clusters, trade associations, or HI networks.

Total Addressable Market (TAM):

- Estimate the gross volume of potential clients across India or your region.

Scalability Potential:

- Describe how production can be ramped up cos-t effectively over time.

Socio-Economic Benefits:

- Contribution to local employment generation or import substitution metrics.

(AUTONOMOUS)
MSME IDEA HACKATHON 6.0
ONE Pillar. SIX Themes
FRONTIER TECHNOLOGY IN MSMEs

4. Capital Budget Breakdown (Max Grant: ₹15 Lakhs)

Expense Head / Category	Allocated Budget	Justification & Details
Raw Materials & Components	**₹ 4,500,000 / As Needed**	Procurement of specialized sensors, actuators, and raw fabrication inventory.
Machinery, Equipment & Tooling	**₹ 3,500,000 / As Needed**	Accessing dedicated CNC machineries, 3D printers, or specialized hardware rigs.
Product Testing & Certification	**₹ 2,000,000 / As Needed**	Third-party compliance testing, electrical safety grading, and calibrations.
Manpower & Technical Consultants	**₹ 3,000,000 / As Needed**	Stipends for core developers or outsourced industrial design consultants.
Contingencies & Miscellaneous	**₹ 2,000,000 / As Needed**	IP filing costs, dynamic field testing expenses, and logistics parameters.

5. Core Team, Mentorship & Execution Roadmap

Project Lead / Innovator:

[Name, Core Degree / Domain Expertise, Prior Projects developed].

Core Technical Team Members:

[Member 2: Hardware Architecture / Embedded Systems specialist].

[Member 3: Software Implementation / Analytics developer].

Assigned Institute Mentor:

[Professor / Expert Name from the host institution helping guide the tech].

12-Month Project Roadmap:

Months 1-3: Hardware scheme finalization & local component sourcing.

Months 4-6: MVP alpha fabrication & basic software code integration.

Months 7-9: Deployment at host institute lab for field run simulations.

Months 10-12: Certifications, iteration finalization & industrial transfer readiness.

(AUTONOMOUS) MSME IDEA HACKATHON 6.0 ONE Pillar. SIX Themes FRONTIER TECHNOLOGY IN MSMEs R&D DSCET

6. EVALUATION OUTCOME

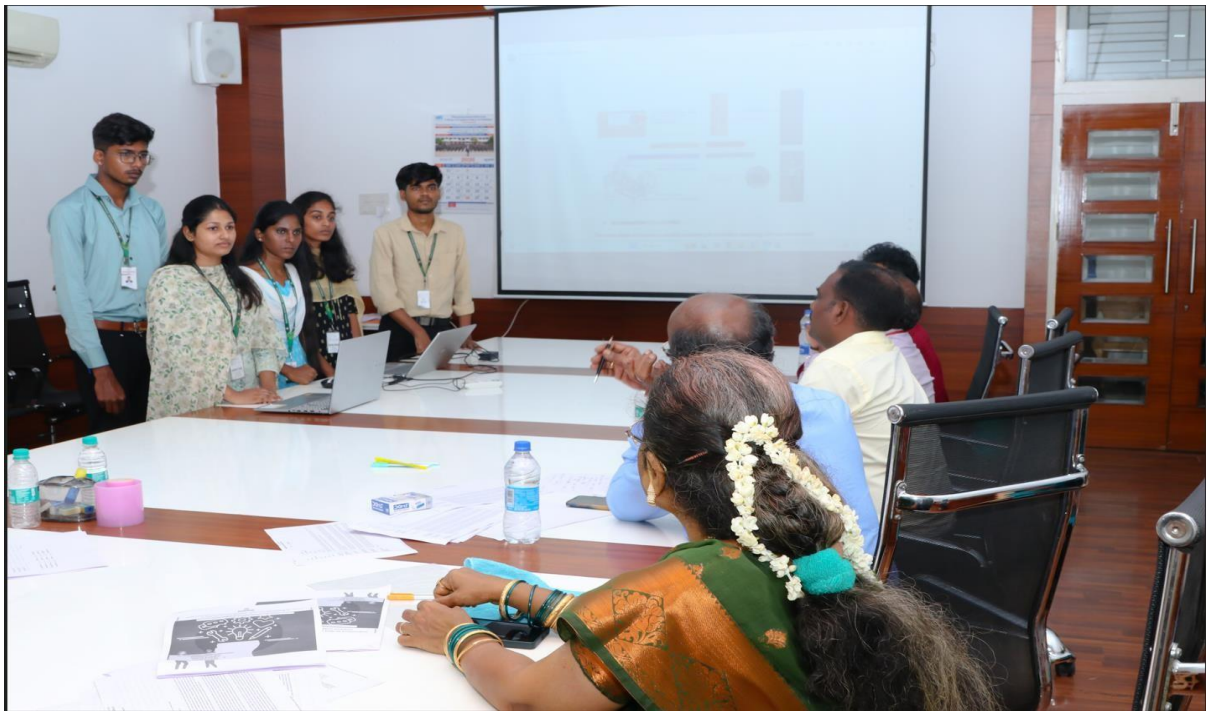
Outcome	Number
Total Ideas Received	**58**
Ideas Recommended	**27**
Ideas Not Recommended	**31**

Outcome	Number
Total Ideas Evaluated	**58**

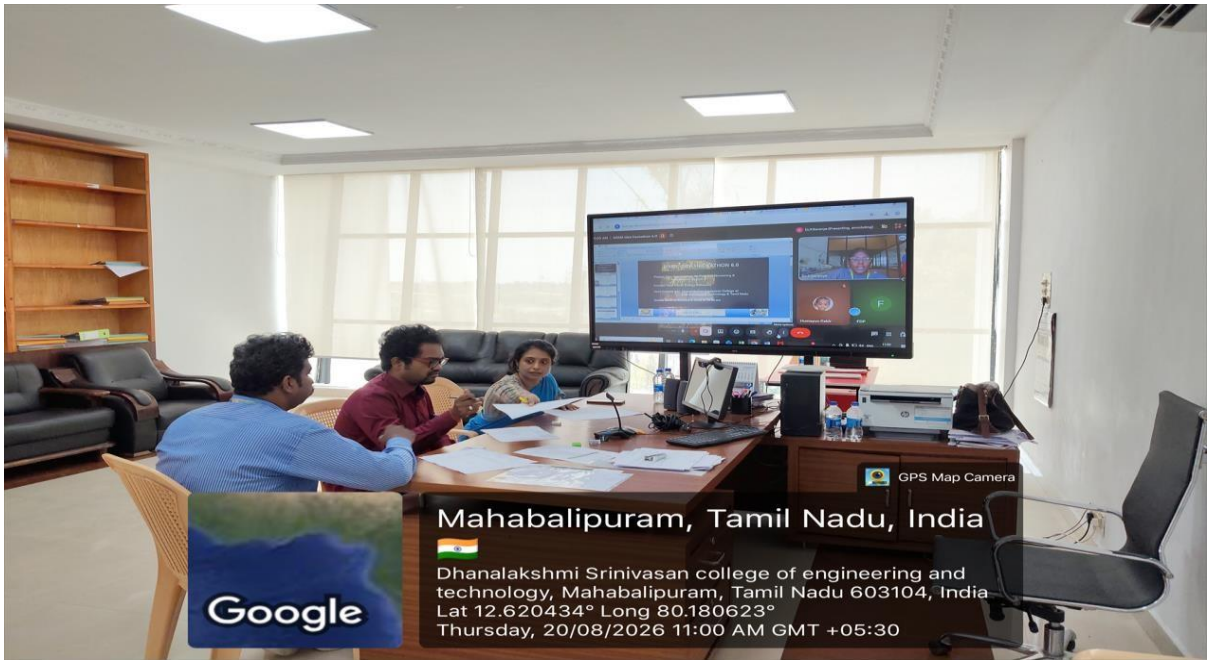
The evaluation process enabled the expert panel to identify ideas suitable for further consideration and development.



Participant presenting an innovative idea before the expert panel



Participant presenting an innovative idea before the expert panel



Participant presenting an innovative idea before the expert panel



Participant presenting an innovative idea before the expert panel

ATTENDANCE, PARTICIPATION AND EVENT DOCUMENTATION

7. ATTENDANCE RECORD

The attendance of participants, faculty members, experts and other stakeholders may be maintained as part of the official event documentation.

ATTENDANCE SUMMARY

Category	**Number**
Participants / Innovators	27
Students	27
Faculty Members	Nil
Industry / External Experts	Nil
Chief Guests / Theme Experts	**2**
Evaluation Panel	**8**
Total Attendance	**8**

ATTENDANCE SHEET

DHANALAKSHMI SRINIVASAN
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(An Autonomous Institution)

File No. DSCET/R&D/MSME/2026-27/18.08.2026 /01 Date:20/08/2026

Subject: Minutes of the Meeting of Evaluation Committee for shortlisting of Ideas received under MSME Idea Hackathon 6.0 by Dhanalakshmi Srinivasan College of Engineering and Technology.

A meeting was held on 20/08/2026 *at* 10.00 am at Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai with the following members constituting the Evaluation Committee at Host Institute level for shortlisting of Ideas received under MSME Idea Hackathon 6.0.

S. No.	Expert Category (Industry, Academia, Financial sector, etc.)	Name, Designation &Organization	Signature
1	Theme Expert	Dr P Muthuvel Group Director/Scientist-G National Institute of Ocean Technology, Chennai	20/08/26
2	Theme Expert	Shri K Thirumurugan Scientist E, National Institute of Ocean Technology, Chennai	20/08/2026
3	Entrepreneur	Shri K Senthil Kumar Founder and Managing Director Orbit EduTech Pvt Ltd, Chennai	20/8/26.
4	Technical Expert	Shri S Aravindh Kumar Research Associate Orbit EduTech Pvt Ltd, Chennai	
5	Academician	Dr H Umma Habiba Professor and Dean, Research and Development Center, DSCET, Chennai	20/8/26.
6	Academician	Dr K Selva Bharathi Professor, Department of Mechanical Engineering, DSCET, Chennai	
7	Academician	Dr Anita Warrier Professor Research and Development Center, DSCET, Chennai	20/8/26
8	Academician	Dr S Narendran, Associate Professor, Department of Computer Science, DSCET, Chennai	20/8/26

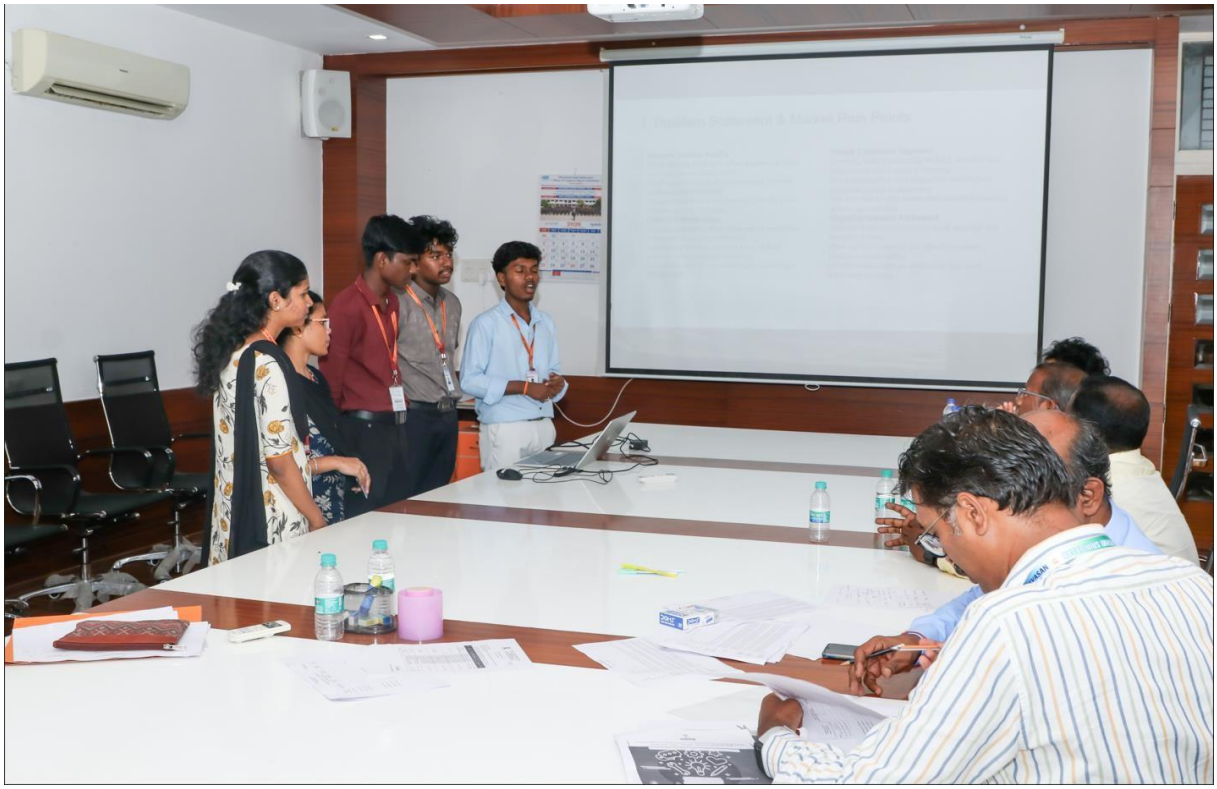
8. PHOTO DOCUMENTATION



Participants, experts and faculty members during MSME Idea Hackathon 6.0 at DSCET



Participants, experts and faculty members during MSME Idea Hackathon 6.0 at DSCET



Participants, experts and faculty members during MSME Idea Hackathon 6.0 at DSCET



Participants, experts and faculty members during MSME Idea Hackathon 6.0 at DSCET



Participants, experts and faculty members during MSME Idea Hackathon 6.0 at DSCET

OUTCOMES, CONCLUSION AND SIGNATURES

9. MAJOR OUTCOMES

The major outcomes of MSME Idea Hackathon 6.0 were:

1. A total of **58 innovative ideas** were received.
2. All 58 ideas were subjected to expert evaluation.
3. **27 ideas were recommended** for further consideration.
4. **31 ideas were not recommended** at this stage.
5. Participants received technical and entrepreneurial feedback.
6. The programme strengthened industry-academia interaction.
7. The event promoted innovation and entrepreneurship.
8. Participants gained exposure to expert evaluation and idea validation.
9. The event encouraged interdisciplinary problem-solving.
10. The programme contributed to strengthening the institutional innovation ecosystem.

10. INSTITUTIONAL IMPACT

The event supported the institution's efforts towards:

- Innovation and creativity
- Entrepreneurship development
- Research and development
- Industry interaction
- Startup development
- Technology commercialization
- Student innovation
- Multidisciplinary collaboration
- Problem-based learning
- MSME-oriented entrepreneurship

11. FUTURE DEVELOPMENT PATHWAY

The recommended ideas may be encouraged to progress through the following stages:

Idea Validation → Proof of Concept → Prototype Development → Testing → Market Validation → Intellectual Property → Commercialization / Startup

Participants may further explore prototype development, patent filing, incubation support, industry collaboration, funding opportunities and commercialization.

12. CONCLUSION

The **MSME Idea Hackathon 6.0**, conducted on **20 August 2026** at Dhanalakshmi Srinivasan College of Engineering and Technology, successfully provided a platform for innovation, entrepreneurship and expert interaction.

The participation of experts from **NIOT, industry, entrepreneurship and academia** provided participants with multidisciplinary perspectives on their innovative ideas.

With **58 ideas received and 27 ideas recommended**, the programme served as an effective platform for identifying promising concepts and encouraging innovators to further develop their ideas into practical and potentially scalable solutions.

The event also strengthened the institution's commitment to promoting **innovation, entrepreneurship, research, industry interaction and technology development**.

Prepared by
Dr.H.UMMA HABIBA,Prof./ECE,Dean-R&D
Convener