



**SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE**



An Autonomous Institution
Approved by AICTE New Delhi,
Accredited by NAAC with 'A' grade, Accredited by NBA-AICTE, New Delhi
Puducherry-605 107

Department of Mechanical Engineering

Report on

Innovation and Design Club

Academic Year - 2024-2025

DESIGN
INNOVATIONS
from concepts to creations



Preface

The **Innovation and Design Club** of the Department of Mechanical Engineering serves as a dynamic creative and technical platform dedicated to nurturing innovation, product development, advanced manufacturing practices, and sustainable engineering solutions among students. The club is established with the vision of transforming young mechanical engineers into innovative problem-solvers capable of addressing real-world industrial and societal challenges.

The club emphasizes the principles of **design thinking, engineering analysis, CAD modeling, CAE simulation, additive manufacturing, rapid prototyping, smart manufacturing systems, and sustainable product development**. It provides students with practical exposure to modern engineering tools and technologies, enabling them to convert conceptual ideas into functional prototypes and viable products.

Through structured workshops, expert technical seminars, industry interactions, hackathons, product design competitions, and hands-on laboratory activities, the club effectively bridges the gap between theoretical classroom learning and industrial applications. Students are encouraged to work on interdisciplinary projects, participate in national and international innovation challenges, and develop entrepreneurial mindsets aligned with Industry 4.0 and emerging technologies.

The club also promotes research culture, intellectual property awareness, startup incubation, and collaboration with industries and innovation ecosystems. By fostering creativity, teamwork, leadership, and critical thinking, the Innovation and Design Club aims to develop industry-ready mechanical engineers equipped with strong technical competence, analytical capability, design excellence, and entrepreneurial confidence.

Ultimately, the club stands as a catalyst for cultivating innovation-driven engineers who contribute meaningfully to technological advancement and sustainable development.



Club Co-coordinator



Head of the Department



IQAC Coordinator
Dr. A.A. Arivazhagar



Director Cum Principal
Dr. V.S.K. Venkatachalapathy

INNOVATION & DESIGN CLUB

ANNUAL REPORT

About the Institution

About the Department

About Innovation and Design Club

Vision & Mission

Office Bearers

List of Events

Event Details

Student Achievements

Feedback Analysis

Future Plan of Action



ABOUT OUR COLLEGE

Sri Manakula Vinayaga Educational Trust was founded to provide quality and affordable education to the weaker sections of society. The trust established **Sri Manakula Vinayagar Engineering College (SMVEC)** in 1999, SMVEC is an autonomous institution affiliated to Pondicherry University. It offers a variety of undergraduate, postgraduate, and research programs in Engineering, Arts and Science, Allied Health sciences, School of Agriculture, Centre of Legal Education, School of Physiotherapy and School of Pharmacy.

SMVEC has a sprawling green campus with well-furnished infrastructure. The college has a Wi-Fi enabled campus, central library, high-end computing facilities, individualized department buildings with advanced laboratories, centralized air-conditioned auditorium, campus security cameras and video surveillance system, mineral water plant, hostels for both boys and girls, and other essential amenities like. ATM and post office, pest office.

SMVEC has been accredited by NAAC and NBA. The college has a good placement record with students getting job offers from top companies in India and abroad. SMVEC students have won many awards and accolades for their academic achievements.

Vision

To be **globally recognized** for excellence in quality education, innovation and research for the transformation of lives to serve the society.

Mission

- M1: Quality Education:** To provide a comprehensive academic system that amalgamates the cutting edge technologies with best practices.
- M2: Research and Innovation:** To foster value-based research and innovation in collaboration with industries and institutions globally for creating intellectuals with new avenues.
- M3: Employability and Entrepreneurship:** To inculcate the employability and entrepreneurial skills through value and skill based training.
- M4: Ethical Values:** To instill a deep sense of human values by blending societal righteousness with academic professionalism for the growth of society.





ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was established in 2008, offering a PG course since 2013 and a Ph.D. program since 2016. Accredited by the NBA. It features modern infrastructure, state-of-the-art laboratories, and dedicated faculty. Our expertise spans product design, composite materials, nanotechnology, thermal and energy engineering, and manufacturing technology, supporting academic excellence and industry standards. We are also NAAC accredited and recognized as one of the best B.tech mechanical engineering colleges in Puducherry and Tamilnadu. We offer a comprehensive curriculum that prepares students for a successful career in mechanical engineering.



Vision The Department and Mission

The Mechanical Engineering department strives to be recognized as an excellent academic and research center for creating outstanding Engineers, Entrepreneurs, and Leaders, positioning itself as one of the best mechanical engineering colleges in TamilNadu.



Mission

- M1: Professional Skills:** To provide quality education to enhance students' inter-personal and intra-personal skills.
- M2: State-of-art facilities:** To render excellent infrastructure facilities and laboratories to excel as skilled professionals
- M3: Research Exposure:** To strengthen Research and Development within the department through industrial associations.
- M4: Employability:** To put enthusiastic exertions to enhance employability and entrepreneurship skills of students
- M5: Human Values:** To empower students with professional ethics and human values to serve the society.



PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- PEO1: Technical knowledge:** To foster our young graduates with cogent technical knowledge so as to make them employable.
- PEO2: Real-Time Applications:** To apply the acquired knowledge in the field of Mathematics, Science and Engineering in developing real-time projects.
- PEO3: Design Ability:** To design a system, component or process to meet the desired needs within realistic constraints such as manufacturing, economy, environmental
- PEO4: Ethics:** To prepare the students to become entrepreneurs.



ABOUT INNOVATION AND DESIGN CLUB



The Innovation and Design Club is a student-run organization within the Mechanical Engineering Department aimed at fostering creativity, problem-solving, and hands-on learning among students. The club organizes **workshops, seminars**, and projects that encourage interdisciplinary collaboration and innovative thinking. It provides a platform for students to apply theoretical knowledge to real-world challenges and develop solutions using design thinking and cutting-edge technologies.

The Innovation and Design Club focuses on:

- Product Design & Development
- CAD/CAM & Simulation
- Rapid Prototyping
- 3D Printing & Additive Manufacturing
- Sustainable Product Innovation
- Entrepreneurship & Startup Culture

Objectives

- To encourage creative and analytical design skills among students.
- To provide hands-on exposure in CAD modeling and prototyping.
- To promote sustainable and eco-friendly product design.
- To conduct design competitions and innovation challenges.
- To guide students in transforming ideas into functional prototypes and startups.



OFFICE BEARERS

Innovation and Design Club – Department of Mechanical Engineering

The Innovation and Design Club is led by a committed team of office bearers who play a crucial role in driving the club's activities and fostering a culture of creativity, design excellence, and technical innovation. The leadership team typically includes a **President, Vice President, Secretary, Treasurer, Technical Head, and Design Lead**, each contributing specialized skills and responsibilities to ensure the smooth functioning of the club.

The office bearers are responsible for planning and organizing workshops, design challenges, prototype exhibitions, technical seminars, and innovation competitions. They coordinate with faculty mentors, manage club resources, oversee project execution, and guide junior members in product development and research-oriented activities. The Technical Head ensures the quality and feasibility of projects, while the Design Lead focuses on creativity, user-centric design approaches, and presentation standards. The Secretary and Treasurer manage documentation, communication, budgeting, and logistics for all events and initiatives.

Through structured planning, teamwork, and strong leadership, the office bearers create an environment that promotes hands-on learning, interdisciplinary collaboration, and entrepreneurial thinking. Their dedication and vision enable the club to function as a vibrant hub of innovation, empowering students to transform ideas into impactful engineering solutions and preparing them to become future innovators and industry leaders.

Faculty Coordinator – Dr. L. MARTIN, ASSOCIATE PROFESSOR



President Moorthy Prakash - III Year



Vice President Harini - III Year



Secretary Narmatha - III Year



Treasurer Surya - III Year



Technical Head Oviya - III Year



Design Lead Daren - II Year



LIST OF EVENTS (2023-2024)

- **Drone application and licensing**

- **Product Development using Design Thinking**



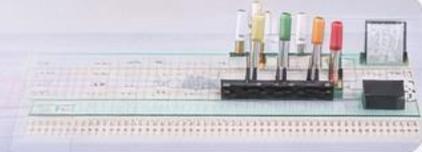
- **Common element of Design Thinking frameworks**



- **Common element of Design Thinking frameworks**



- **Arduino Simulation using TINKERCAD**



President Moorthy Prakash - III Year



Vice President Harini - III Year



Secretary Narmatha - III Year



Treasurer Surya - III Year



Technical Head Oviya - III Year



Design Lead Daren - II Year

Circular



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MADAGADIPET, PUDUCHERRY - 605 107



Department of Mechanical Engineering

SMVEC/Even/2025/MECH/Circular/ Innovation and Design club-1

Date: 05/2/2025

Circular

Dear Innovation and Design club members,

We are glad to inform you that the Department of Mechanical Engineering and “Innovation and Design club SMVEC” is going to organize seminar on “**Emerging Applications of Unmanned Aerial Systems – Seminar**” on 6-02-2025(Wednesday). The objective of this event to provide basic fundamentals of Drone and its classification. We encourage all club members to participate in the event.

Event Detail: **Emerging Applications of Unmanned Aerial Systems – Seminar**

Date : 6-02-2025

Venue : IDEA LAB

Time : 02.30 PM

Club Co-coordinator

Head of the Department

Copy to:

Circulate III year students

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Department of Mechanical Engineering

SMVEC/Even/2025/MECH/Circular/ Innovation and Design club-2

Date: 12/2/2025

Circular

Dear Innovation and Design club members,

We are glad to inform you that the Department of Mechanical Engineering and “Innovation and Design club SMVEC” is going to organize Workshop on “**Innovation Strategies in Product Engineering – Workshop**” on 13-02-2025. The objective of this event to provide Steps involved in design thinking process to innovate product. We encourage all club members to participate in the event.

Event Detail: **Innovation Strategies in Product Engineering – Workshop**

Date : 13-02-2025

Venue : IDEA LAB

Time : 9.15 a.m

Club Co-coordinator

Head of the Department

Copy to:

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Department of Mechanical Engineering

SMVEC/Even/2024/MECH/Circular/ Innovation and Design club-3

Date: 19/2/2025

Circular

Dear Innovation and Design club members,

We are glad to inform you that the Department of Mechanical Engineering and "Innovation and Design club SMVEC" is going to organize Workshop on "**Advanced Design Thinking and Problem-Solving Models**" on 20-02-2025. The objective of this event to provide Steps involved in design thinking process to innovate product. We encourage all club members to participate in the event.

Event Detail: **Advanced Design Thinking and Problem-Solving Models**

Date : 22-02-2025

Venue : IDEA LAB

Time : 10.55 a.m

Club Co-coordinator

Head of the Department

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MADAGADIPET, PUDUCHERRY - 605 107



Department of Mechanical Engineering

SMVEC/Even/2025/MECH/Circular/ Innovation and Design club-4

Date: 28/3/2025

Circular

Dear Innovation and Design club members,

We are glad to inform you that the Department of Mechanical Engineering and “Innovation and Design club SMVEC” is going to organize Workshop on “**Embedded System Simulation and Rapid Prototyping**” on 29-03-2025. The objective of this event to provide Steps involved in Arduino board simulation process to innovate product. We encourage all club members to participate in the event.

Event Detail: **Embedded System Simulation and Rapid Prototyping**

Date : 29/03/2025

Venue : IDEA LAB Class Room IL104

Time : 9.15 a.m

Club Co-coordinator

Head of the Department

Copy to:

Circulate III-year students

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SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
An Autonomous Institution

Department of Mechanical Engineering

EMERGING APPLICATIONS OF UNMANNED AERIAL SYSTEMS – SEMINAR

February 06 , 2025

AICTE IDEA LAB

AICTE
All India Council of Technical Education

AICTE
IDEALab

YOU CAN FLY

Name of the Activity	: Emerging Applications of Unmanned Aerial Systems – Seminar
Name of the Faculty Coordinator	: Dr. L. Martin
Date & Day of the Activity	: 06/02/2025,
Duration	: 2.30 p.m to 4.30 p.m
Venue	: AICTE IDEA LAB
Number of Students participated	: 82

Objectives of the Activity

- The goal of the Drone application and licensing - Seminar is to familiarize the students with the concepts and techniques used in design of a small drones and its applications.

Outcome of the Activity

- Learn about the various types of Drones and its applications.
- Learn about the various components of drone design.
- Design basic types of drone systems.

Feedback and Suggestions

- The activity was good
- Interactive

L. Martin

Club Co-coordinator

A. A. S. Ch

Head of the Department

Photo Galley

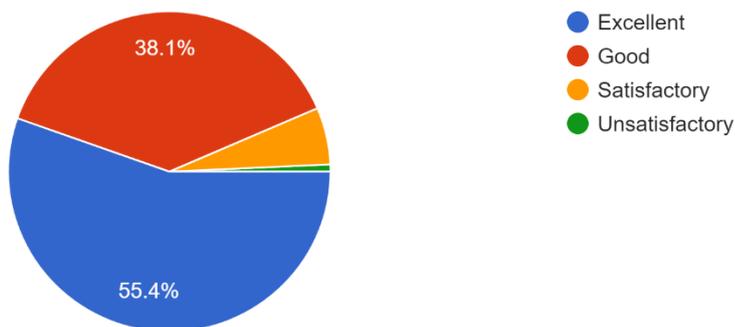




Feedback Report of Innovation and Design Club Activity

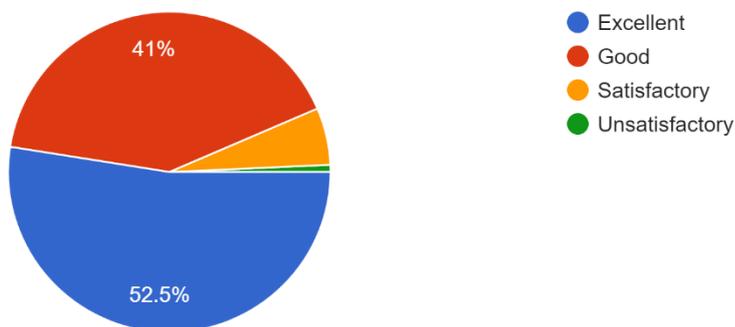
1. Did the training effectively cover the topics that were advertised?

82 Responses



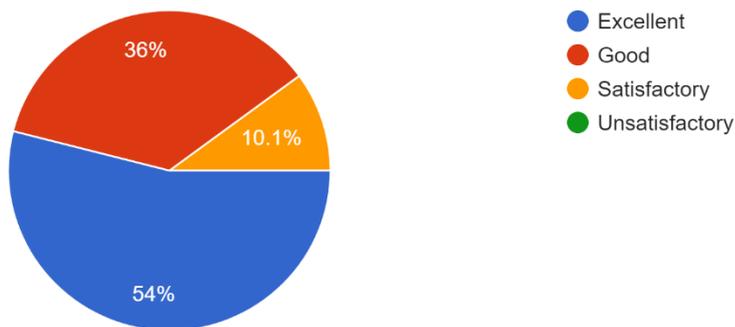
2. Did the training meet your expectations and learning objectives?

82 Responses



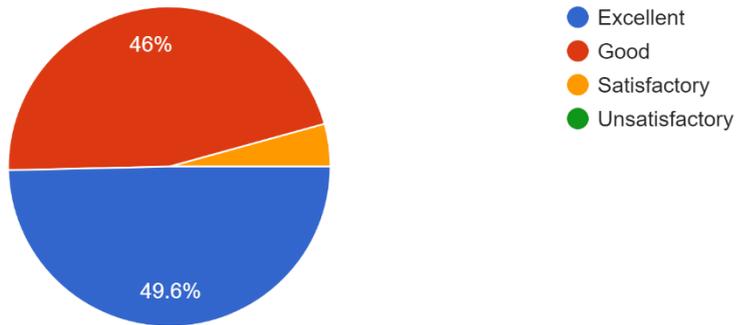
3. Was the training relevant to your needs?

82 Responses



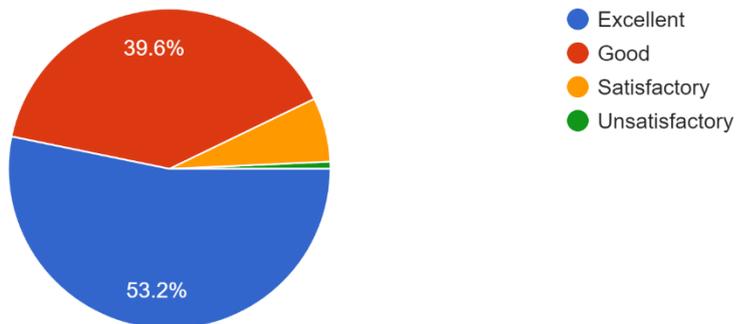
4. Unbiased and Fairness in treatment to students

82 Responses



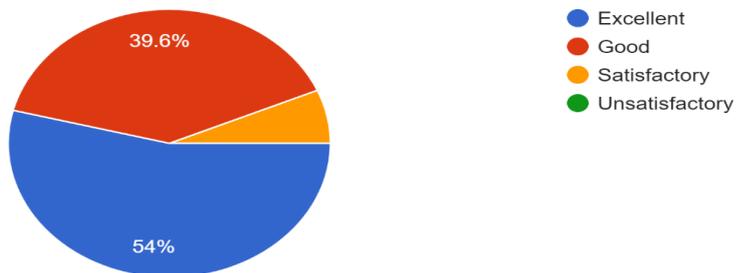
5. Punctuality and promptness in conducting classes

82 Responses



6. How would you rate the training experience overall?

82 Responses



Club Co-coordinator

Head of the Department



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Madagadipet, Puducherry - 605 107



Attendance Report of Innovation and Design Club Activity

SNO	REG NUMBER	NAME	ATTENDANCE
1.	21MEL003	CHANDRU S	P
2.	21MEL005	HARI HARAN P	P
3.	21MEL006	KARTHIKEYAN R	P
4.	21MEL007	KRISHNA KUMAR S	P
5.	21MEL008	LAKSHMI KANDHAM V	P
6.	21MEL011	MOHANARAJ S S	P
7.	21MEL013	PRAVEENKUMAR V	P
8.	21MEL015	SAKTHIVENTHAN V S	P
9.	21UME002	AANANTHA RUBAN C	P
10.	21UME003	AFRID M I	P
11.	21UME007	BALAJI A	P
12.	21UME009	BARANIDHARAN M	P
13.	21UME012	BHUVANESSH A	P
14.	21UME018	DHINESH RAJ S	P
15.	21UME022	DIVAGAR R	P
16.	21UME023	GUGAN C	P
17.	21UME029	HEMANTH KUMAAR J	P
18.	21UME032	JOHN PANDIAN I	P
19.	21UME039	KEERTHANA N	P
20.	21UME041	KIRUBA K	P
21.	21UME042	KISHORE J	P
22.	21UME044	KOLLU RAMESWARA RAO	P
23.	21UME046	KRISHNARAJ B	P
24.	21UME052	MOHAMMED SYED HAFEEZ R	P
25.	21UME055	MUTHUKUMARAN G	P
26.	21UME059	NARESH KUMAR S	P
27.	21UME060	NAVANITH K K	P
28.	21UME063	PRAKASH V	P
29.	21UME065	PREMRAJ A	P
30.	21UME066	RAGUL M	P
31.	21UME067	RAGUL R	P
32.	21UME069	ROHITHKUMAR V	P
33.	21UME071	SAINNATH A B	P
34.	21UME074	SHAKTHIVEL A	P
35.	21UME075	SHANMUGAPRIYA V	P
36.	21UME079	SIVARANJANI K	P
37.	21UME080	SOORIYA S	P
38.	21UME083	SRIRAM S	P
39.	21UME085	THAMIZHARASAN V	P
40.	21UME089	VIGNESH R	P
41.	21MEL004	DHINESH G	P
42.	21MEL009	MATHIRASAN L	P
43.	21MEL010	MOHAMED KAIF A	P
44.	21MEL012	PARTHASARATHI S	P
45.	21MEL017	SHANKARANARAYANAN A	P
46.	21MEL018	SUBASH P	P
47.	21MEL019	TAMILSELVAN R	P
48.	21MEL020	VENGADA RAMANA M	P
49.	21UME001	AAKASH T	P
50.	21UME004	AMALANADAN A	P

51.	21UME005	ANBUSELVAM S	P
52.	21UME006	ASHWINKUMAR S	P
53.	21UME013	CHANDRU J	P
54.	21UME015	DHANUSHRAJ V	P
55.	21UME016	DHARMESH M	P
56.	21UME019	DHIVAGAR R	P
57.	21UME020	DHIVAKAR M	P
58.	21UME021	DISHITH KUMAR Z	P
59.	21UME024	HARI HARA PRASAD S	P
60.	21UME025	HARIHARAN S	P
61.	21UME030	JAI VIKKNESH V	P
62.	21UME034	KAILASH S G	P
63.	21UME035	KALAIARASI G	P
64.	21UME037	KARTHIKEYAN V	P
65.	21UME047	LEON RAJ F	P
66.	21UME049	MALLESH RAJ P	P
67.	21UME050	MOHAMED DANVEER N	P
68.	21UME053	MOHANRAJ M	P
69.	21UME054	MUHAMMED VASEEM P	P
70.	21UME057	NANTHAKUMARAN V	P
71.	21UME058	NARENDHIRAN	P
72.	21UME062	PARTHASARATHI S	P
73.	21UME070	SAI HARINI V	P
74.	21UME072	SANTHOSH D	P
75.	21UME073	SARVESH K	P
76.	21UME076	SHRI RAMAKRISHNAN S	P
77.	21UME081	SRIPATHI A	P
78.	21UME084	SYED WAHID F	P
79.	21UME088	VIDHUSHAN G	P
80.	21UME090	VIJAYARAGAVAN M	P
81.	21UME091	YOKESH M	P
82.	21MEL002	CHANDRAKANTH R	P

I. Martin

Club Co-coordinator

A. A. S. S. S.

Head of the Department

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE
An Autonomous Institution

Department of Mechanical Engineering

INNOVATION STRATEGIES IN PRODUCT ENGINEERING – WORKSHOP

February 13 , 2025

AICTE IDEA LAB

Name of the Activity	: Innovation Strategies in Product Engineering – Workshop
Name of the Faculty Coordinator	: Dr. L. Martin
Date & Day of the Activity	: 13/02/2025,
Duration	: 9.15 a.m to 10.40 a.m
Venue	: IL104 – IDEA LAB
Number of Students participated	: 50

Objectives of the Activity

- The objective of this event to provide Steps involved in design thinking process to innovate product.

Outcome of the Activity

- Focuses on creating solutions that are both innovative and practical.
- Understanding user requirements and needs, exploring possibilities, testing solutions, and refining the results.

Feedback and Suggestions

- The activity was good
- Interactive

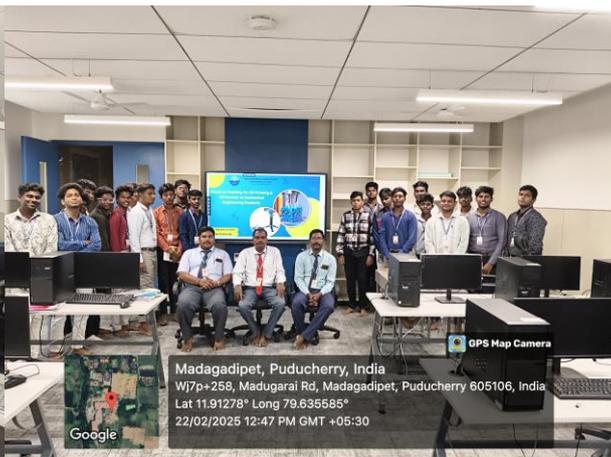
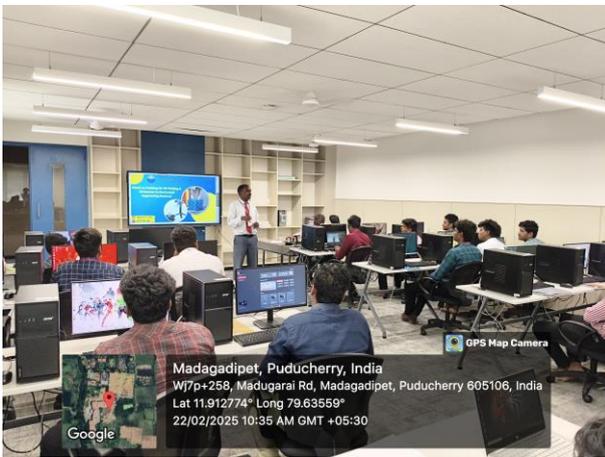
L. Martin

Club Co-coordinator

A. A. SCh

Head of the Department

Photo Galley

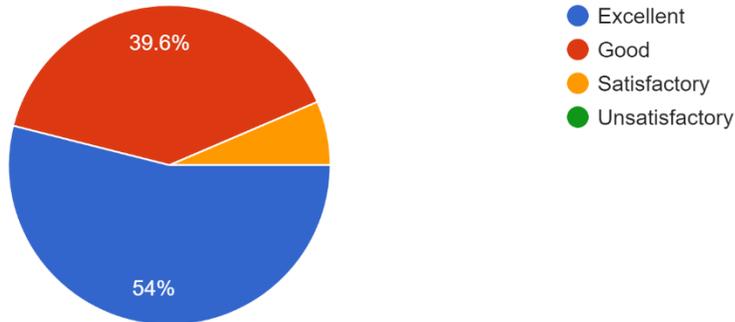




Feedback Report of Innovation and Design Club Activity

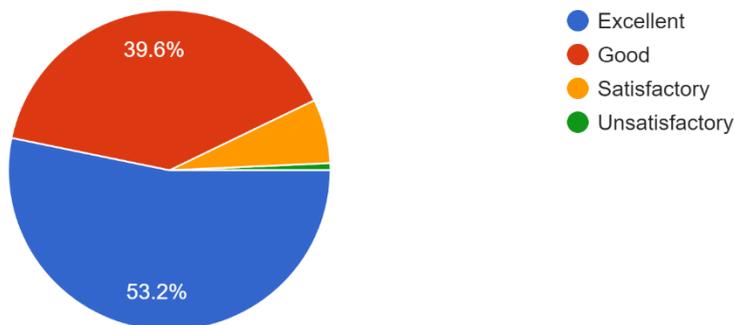
1. Did the training effectively cover the topics that were advertised?

41 Responses



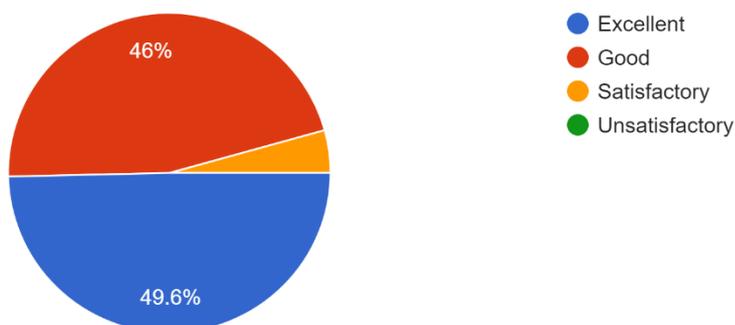
2. Did the training meet your expectations and learning objectives?

41 Responses



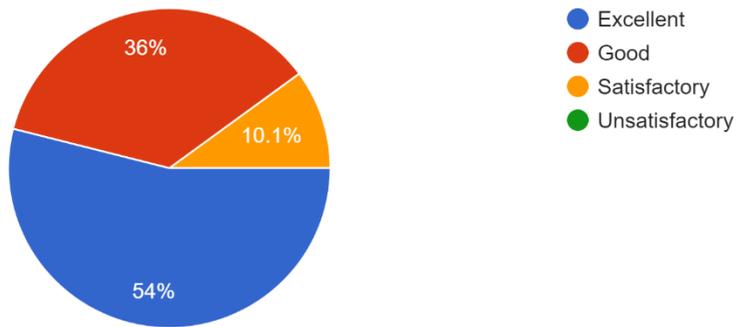
3. Was the training relevant to your needs?

41 Responses



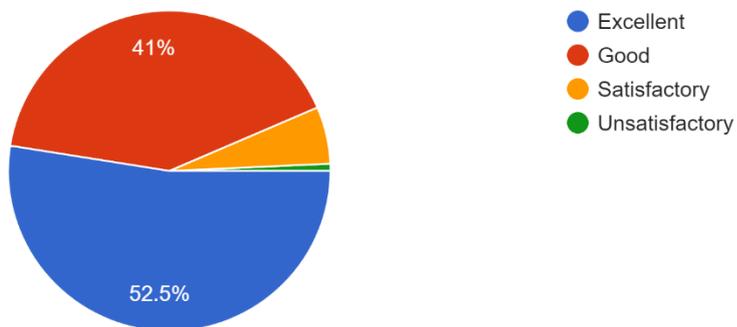
4. Unbiased and Fairness in treatment to students

41 Responses



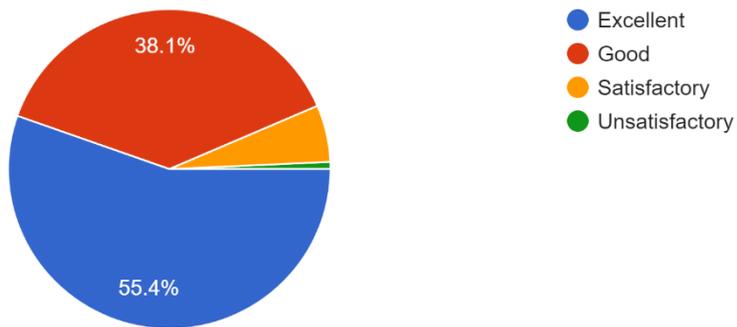
5. Punctuality and promptness in conducting classes

41 Responses



6. How would you rate the training experience overall?

41 Responses



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Head of the Department



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Madagadipet, Puducherry - 605 107



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SNO	REG NUMBER	NAME	ATTENDANCE
1.	21MEL009	MATHIRASAN L	P
2.	21MEL010	MOHAMED KAIF A	P
3.	21MEL012	PARTHASARATHI S	P
4.	21MEL017	SHANKARANARAYANAN A	P
5.	21MEL018	SUBASH P	P
6.	21MEL019	TAMILSELVAN R	P
7.	21MEL020	VENGADA RAMANA M	P
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13.	21UME015	DHANUSHRAJ V	P
14.	21UME016	DHARMESH M	P
15.	21UME019	DHIVAGAR R	P
16.	21UME020	DHIVAKAR M	P
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38.	21UME088	VIDHUSHAN G	P
39.	21UME090	VIJAYARAGAVAN M	P
40.	21UME091	YOKESH M	P
41.	21MEL002	CHANDRAKANTH R	P

I. Martin

Club Co-coordinator

A. A. S. S. S.

Head of the Department



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)
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Accredited by NAAC with "A" Grade)

Madagadipet, Puducherry - 605 107



DEPARTMENT OF MECHANICAL ENGINEERING

REPORT

ON

INNOVATION AND DESIGN CLUB

FOR

SECOND YEAR B. TECH STUDENTS





SRI MANAKULA VINAYAGAR
ENGINEERING COLLEGE
An Autonomous Institution



Department of Mechanical Engineering

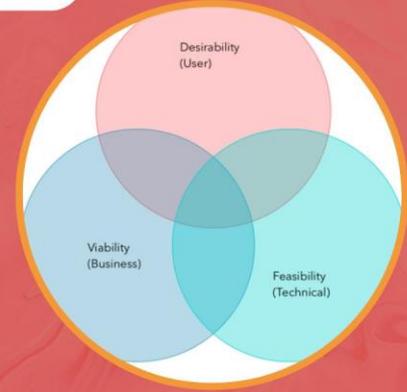
ADVANCED DESIGN THINKING AND PROBLEM-SOLVING MODELS



February 20 , 2025



AICTE IDEA LAB



Name of the Activity : Advanced Design Thinking and Problem-Solving Models

Name of the Faculty Coordinator : Dr. L. Martin

Date & Day of the Activity : 20/02/2025,

Duration : 10.55 a.m to 1.00 p.m

Venue : IL104 – IDEA LAB

Number of Students participated : 62

Objectives of the Activity

- The objective of this event to provide Steps involved in design thinking process to innovate product.

Outcome of the Activity

- Focuses on creating solutions that are both innovative and practical.
- Understanding user requirements and needs, exploring possibilities, testing solutions, and refining the results.

Feedback and Suggestions

- The activity was good
- Interactive

Club Co-coordinator

Head of the Department

Photo Galley

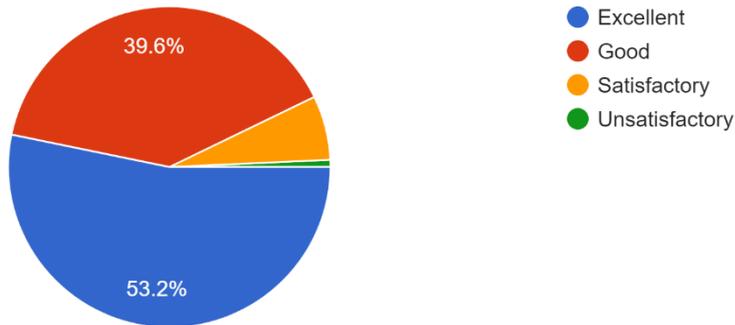




Feedback Report of Innovation and Design Club Activity

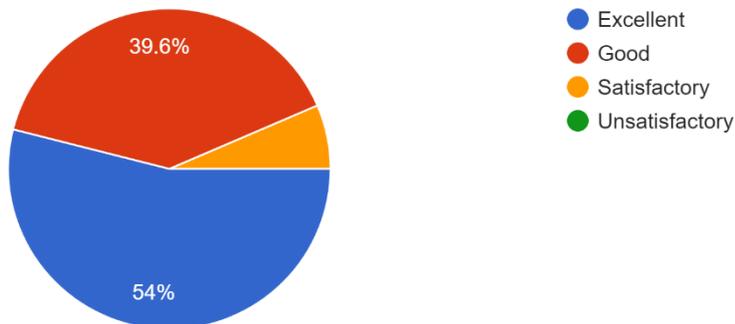
1. Did the training effectively cover the topics that were advertised?

62 Responses



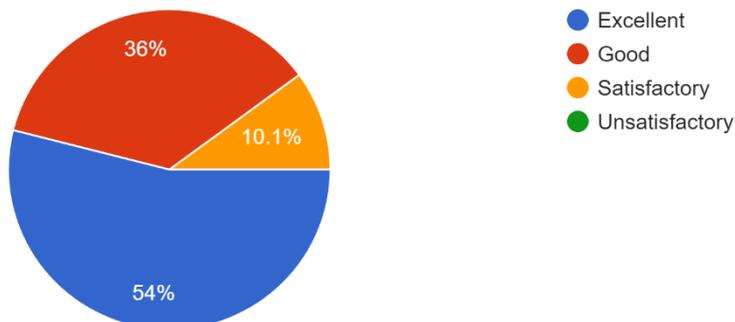
2. Did the training meet your expectations and learning objectives?

62 Responses



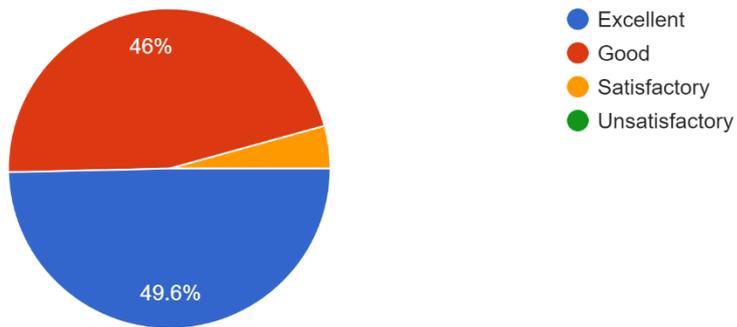
3. Was the training relevant to your needs?

62 Responses



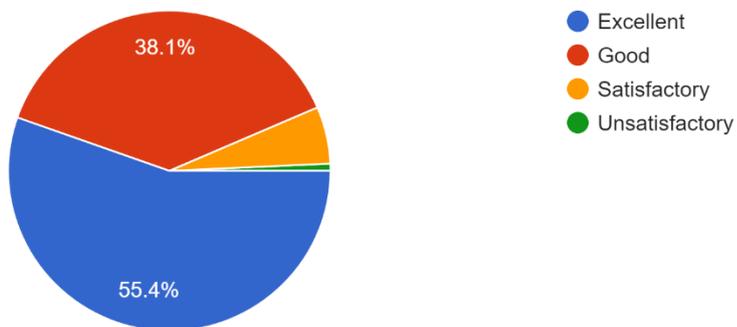
4. Unbiased and Fairness in treatment to students

62 Responses



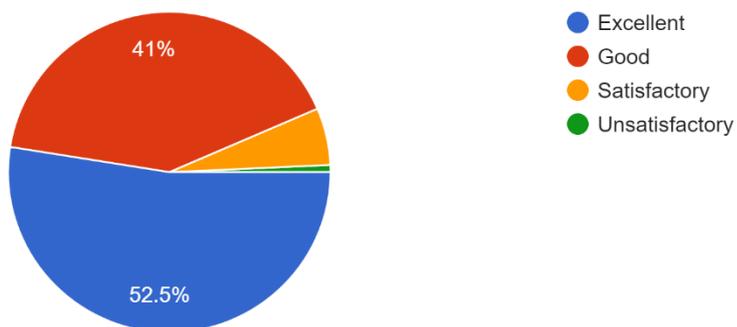
5. Punctuality and promptness in conducting classes

62 Responses



6. How would you rate the training experience overall?

62 Responses



Club Co-coordinator

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Attendance Report of Innovation and Design Club Activity

SNO	REG NUMBER	NAME	ATTENDANCE
83.	22MEL001	ARAVINDH R	P
84.	22MEL002	ARIEF Y	P
85.	22MEL003	ARULMOZHIVARMAN S	P
86.	22MEL004	BALAJI R	P
87.	22MEL005	BUVANESH S	P
88.	22MEL006	JEEVA R	P
89.	22MEL007	KISHORE S	P
90.	22MEL008	MANIKANDAN G	P
91.	22MEL009	MOHAMED AFSAL A	P
92.	22MEL010	MOORTHYPRAKASH S	P
93.	22MEL011	NEERAJ R	P
94.	22MEL012	SAIKRISHNAN S	P
95.	22MEL013	SANJAY G	P
96.	22MEL014	SARVESWARAN M	P
97.	22MEL015	SUKANTHAN J	P
98.	22MEL016	SURYAA R	P
99.	22MEL017	THATCHANAMOORTHY S	P
100.	22MEL018	KAVINESH V	P
101.	22MEL019	MURUGAN A	P
102.	22UME001	ABDUL HALITH A	P
103.	22UME002	ABDUL KAFOOR S	P
104.	22UME003	ABIRAMA SUNDHARAM N	P
105.	22UME004	AJITH A	P
106.	22UME005	AKASH S	P
107.	22UME006	BALACHANDER G	P
108.	22UME007	BALAMURUGAN V	P
109.	22UME008	BHARATH K	P
110.	22UME009	BURRE THARUN	P
111.	22UME010	CHANDRAHARI V	P
112.	22UME011	CYRIL MARIO C	P
113.	22UME012	DANDUPROLU S S P M L RAKESH CHANDRA VARMA	P
114.	22UME013	DHANIGAVEL S	P
115.	22UME014	DHARANI B	P
116.	22UME015	DINESH S	P
117.	22UME016	DONI FRANCIS A	P
118.	22UME017	GOKUL R	P
119.	22UME018	GOUNALEN S	P
120.	22UME019	GOWDHAM S	P
121.	22UME020	GOWTHAM R	P
122.	22UME021	HARESH K	P
123.	22UME022	HARESH P	P
124.	22UME023	HARINI K	P
125.	22UME024	HARISH S	P
126.	22UME025	IDRIS	P
127.	22UME026	JAGADHESWARAN K	P
128.	22UME027	JOHNY MARIA MICHAEL R	P
129.	22UME028	KANDHAVEL V	P

130.	22UME029	KARNEEDI MANOJ KUMAR	P
131.	22UME030	KENAN SHARMA PHURAILATPAM	P
132.	22UME031	KOWSIK E	P
133.	22UME032	LOGESH S	P
134.	22UME033	MAGESHWAR G	P
135.	22UME034	MANIKANDAN V	P
136.	22UME035	MANIMARAN R	P
137.	22UME036	MANJUNATH	P
138.	22UME037	MOHANRAJ S	P
139.	22UME038	MONISH KUMAR R	P
140.	22UME039	MUKESHKUMAR S	P
141.	22UME040	NARMADHA G	P
142.	22UME041	NITHISH S	P
143.	22UME042	OVIYA R S	P
144.	22UME043	PARAMAGURU G	P

I. Martin

Club Co-coordinator

A. A. S. S. S.

Head of the Department



FUTURE PLAN OF ACTION

Innovation and Design Club – Department of Mechanical Engineering



1 Intra-Department Design & Prototype Challenge

Mentoring first-year students on creating innovative mechanical solutions like automation models and sustainable designs.



2 Guest Lecture on *Smart Manufacturing & Industry 4.0*

Insights on Robotics, AI, Digital Twins & Industry 4.0 in Mechanical Engineering.



3 Hands-on Workshop: *Assemble & Design Challenge*

Assembling line follower robots, obstacle-avoiding models & pneumatic systems.



4 Mechanical Innovation Expo

Exhibition of student prototypes, CAD models & sustainable products.



5 Sustainable Engineering Design Competition

Eco-friendly product design & energy-efficient mechanical solutions.

Vision for the Upcoming Year

- Strengthen innovation-driven learning.
- Promote industry-oriented projects.
- Encourage student research & commercialization.
- Build leadership & mentoring culture.



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ENGINEERING COLLEGE
An Autonomous Institution

- **Established in the year 1999 Approved by AICTE, New Delhi**
- **Accredited by NAAC with A grade**
- **Accredited by NBA-AICTE New Delhi**
- **Accredited by the TATA Consultancy Services with "B" GRADE**
- **An ISO 9001:2000 Certified Institution**
- **The College has been granted Autonomous Status by University Grants Commission (UGC) for a period of Ten Years w.e.f. 2019-2020 to 2028-2029**



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