

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai /
Accredited by NAAC)

www.ssmiet.ac.in

NEWSLETTER (July 2021 To Dec 2021)

Department of Mechanical Engineering



About the Department

The Department of Mechanical Engineering was established in the year 2011 with an intake of 60 undergraduate students and 18 post graduate students per year.

It is equipped with well-equipped infrastructure and dedicated faculty members who work with zeal and enthusiasm to provide a vibrant and optimum learning environment to the students and help them acquire the skills which are required to excel in today's competitive environment.

VISION

To contribute to the National economy by imparting a high-quality engineering education and research leading to well-qualified mechanical engineers with innovative, entrepreneurial mindset along with social concerns.

MISSION

M1 : Instituting an environment with a value-based education system sustained by quality resources and teaching, learning processes to nurture the student's knowledge and skill in the faculty of mechanical engineering.

M2 : Progressing interactions with the members concerned to ensure continuous improvement in the academic processes to congregate the fast-changing requirements.

M3 : Establishing centers of excellence in the domain of mechanical engineering to endorse academic augmentation, to engender knowledge and entrepreneurial talents to meet the current challenging requirements by the industry.

M4 : Promoting co-curricular and extra-curricular activities to develop the life skills of graduating mechanical engineering students.

EXECUTIVE COMMITTEE

CONVENORS : Dr.D.SENTHIL KUMARAN
Principal

Dr.G.SANKARANARAYANAN
Professor & Head.

EDITORIAL BOARD : Dr. M.SABAREESWARAN, ASP | Dr. R.SUBHAA, ASP

STUDENT MEMBERS : AMIR FAIZAL M | NITHIYA KUMAR NG | ANUMADHUBALA R
PRAVEEN KUMAR J | LAKSHMI N | SUGAN B

Department of Mechanical Engineering
SSM Institute of Engineering & Technology, Sindalagundu Post, Dindigul- 624002. Tamilnadu | hodmechssmiet@gmail.com

ACADEMIC TOPPERS LIST (Nov/Dec 2021 Exam)

II Year & III Sem

I PLACE
GPA : 9.88



LAKSHMI N
Reg. No. : 922120114013

II PLACE
GPA : 9.64



TAMIL SELVAN S
Reg. No. : 922120114031

III PLACE
GPA : 9.36



SIVARAMAN S
Reg. No. : 922120114029

III Year & V Sem

I PLACE
GPA : 9.5



AJEETH G
Reg. No. : 922119114301

II PLACE
GPA : 9.45



BARATH S
Reg. No. : 922116114008

III PLACE
GPA : 9.318



ANUMADHUBALA R
Reg. No. : 922119114002

IV Year & VII Sem

I PLACE
GPA : 9.609



NAGENTHIRAN N
Reg. No. : 922118114038

II PLACE
GPA : 9.609



BOSCO DENI R C
Reg. No. : 922118114008

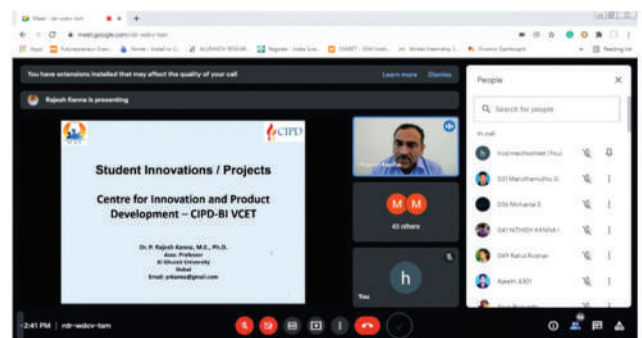
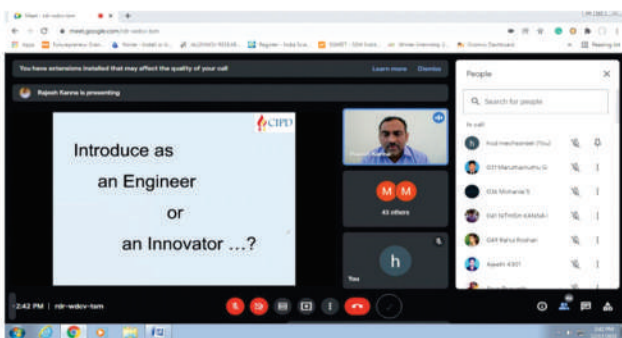
III PLACE
GPA : 9.609



MALATHI T
Reg. No. : 922118114027

EVENTS ORGANIZED

One-day webinar on "INNOVATIVE STUDENT'S PROJECT" was held in our department on 17th December 2021. Dr. P. Rajesh Kanna, Associate Professor, College of Engineering and Computing, Al Churair University, Dubai, UAE addressed about the importance of Final year Projects. The students of final year Mechanical Engineering have attended the webinar and interacted with the speaker. They learned about the importance of all Core subjects which will play a major role while doing final year project.



JOURNAL PUBLICATIONS

1. Kandavel. V, Karthick.U, Shubhaa.R, Sankaranarayanan.G, Sabareeswaran.M "Design and Fabrication of seed Sowing Machine By using Electro- Pneumatic System" International Journal of Innovative Research in Electrical, Electronics, Instrumentation, and control Engineering(2021).
2. A. Ruskin Bruse, P. Prem Kumar,K. Arul,P. Manoj Kumar,S. Lakshmana Kumar, Ram Subbiah, B. Aravindh "Experimental characteristics and optimization of friction stir welded AA5052-AA6061 using RSM technique" Materials Today: Proceedings (2021).

PATENT PUBLISHED

1. Dr. D. Senthil Kumaran, B. Aravinth, M. Prabhakaran Published a Patent "Multi Optimized Digital Additive Manufacturing System Using IoT" Application Number:..202141061754A,Filed on 30/12/2021 and Published: 07/01/2022

SEMINARS/WORKSHOPS/FDP ATTENDED

1. T. KARTHICKMUNISAMY, Assistant Professor of SSM INSTITUTE OF ENGINEERING participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "METAL ADDITIVE MANUFACTURING" from 13.12.2021 to 17.12.2021 at Visvesvaraya National Institute of Technology Nagpur.
2. Mr. C. SILAMBARASAN, Assistant Professor of SSM Institute of Engineering & Technology, Dindigul participated & completed successfully AICTE-ISTE approved Orientation / Refresher Programme on "Digital Manufacturing" conducted at PSNA College of Engineering and Technology from 09.12.2021-15.12.2021.
3. U. KARTHICK, Assistant Professor of SSM INSTITUTE OF ENGINEERING participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Biomass to fuel, Chemicals and value-added products for sustainable energy and environmental Future" from 20.12.2021 to 24.12.2021 at NATIONAL INSTITUTE OF TECHNOLOGY Tiruchirappalli.
4. U. KARTHICK, Assistant Professor of SSM INSTITUTE OF ENGINEERING participated in AICTE-ISTE Sponsored six days online Induction Program on "Value Based Education System- Current and Future Scenario" from 13.12.2021 to 18.12.2021 at PANIMALAR INSTITUTE OF TECHNOLOGY.
5. Mr. M. SELWIN, Assistant Professor of SSM Institute of Engineering and Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Additive Manufacturing: Lab Scale to Field Scale" from 13/12/2021 to 17/12/2021 at Indian Institute of Technology Palakkad.
6. U. KARTHICK, Assistant Professor of SSM INSTITUTE OF ENGINEERING participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Innovative Techniques in Product Design, Numerical Simulation and Additive Manufacturing" from 06.12.2021 to 10.12.2021 at University College of Engineering Nagercoil.
7. Dr.M.MUTHUKANNAN, Associate Professor of SSM Institute Of Engineering and Technology participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Advanced FDP on "Application of IoT in Aerospace Engineering" from 27.12.2021 to 31.12.2021 at VISVESVARAYA TECHNOLOGICAL UNIVERSITY.
8. Mr. B. ARAVINTH, Assistant Professor of SSM Institute of Engineering & Technology, Dindigul participated & completed successfully AICTE-ISTE approved Orientation / Refresher Programme on "Digital Manufacturing" conducted at PSNA College of Engineering and Technology from 09.12.2021-15.12.2021.
9. Mr. P. DHEENATHAYALAN, Assistant Professor of SSM INSTITUTE OF ENGINEERING participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Innovative Techniques in Product Design, Numerical Simulation and Additive Manufacturing" from 06.12.2021 to 10.12.2021 at University College of Engineering Nagercoil.
10. Mr. C. SILAMBARASAN, Assistant Professor of SSM Institute of Engineering & Technology for the enthusiastic participation in the Short-Term Training Program on "Design for Additive Manufacturing" conducted at IIITDM Kancheepuram from Dec 06-10.2021.
11. Dr. V KANDAVEL Associate Professor of SSM Institute of Engineering & Technology, Dindigul-624 002 has actively participated in the AICTE, MHRD's Innovation Cell and Institution's Innovation Council (IIC) sponsored "Impact Lecture Series Session-1" held on 25.09.2021, organized by M.A.M. School of Engineering, Tiruchirappalli.
12. Dr. V KANDAVEL Associate Professor of SSM Institute of Engineering & Technology, Dindigul-624 002 has actively participated in the AICTE sponsored Short-Term Training Program on "Additive Manufacturing of Multi-functional Nanocomposites" held on 26.07.2021- 30.07.2021, organized by IRTT, Erode.
13. P. SHANKAR KANNAN, Assistant Professor of SSM Institute of Engineering & Technology, Dindigul, has participated in the IEEE Sponsored three Days National Level Workshop on "Research Methodology" from 02.06.2021 to 04.06.2021 at ANNAI VAILANKANNI COLLEGE ENGINEERING.
14. P. SHANKAR KANNAN, Assistant Professor of SSM Institute of Engineering & Technology, Dindigul, has participated in the

webinar on "RENEWABLE ENERGY FOR SUSTAINABLE DEVELOPMENT IN INDIA " organized by KARPAGA VINAYAGA COLLEGE OF ENGINEERING AND TECHNOLOGY on 05-06-2021.

15. P. SHANKAR KANNAN, Assistant Professor of SSM Institute of Engineering & Technology, Dindigul, has participated in the one-day webinar on "WORLD CLASS MANUFACTURING" organized

Department of Mechanical Engineering, Annamalai University & Indian Welding society on 29-06-2021.

16. P. SHANKAR KANNAN, Assistant Professor of SSM Institute of Engineering & Technology, Dindigul, participated in six days Online FDP on "Advances in Machining and computer Process " from 24.05.2021 to 29.05.2021 at JAIN (Deemed-to-be-University).

CONFERENCE ATTENDED

1. Dr. V KANDAVEL Associate Professor of SSM Institute of Engineering and Technology presented a paper on "Implementation of Crop Recommendation System through Digitized Agriculture Metrics using IoT " at International Virtual Conference on Science Technology, Engineering and Management (IVSTEM-2021) on 30th & 31st December 2021 organized by Department of Mechanical Engineering, M. Kumarasamy College of Engineering, Karur.

2. Mr. M. SELWIN, Assistant Professor of SSM Institute of Engineering and Technology presented a paper on "Design and fabrication of solar chimney" at International Virtual Conference on Science Technology, Engineering and Management (IVSTEM-2021) on 30th & 31st December 2021 organized by Department of Mechanical Engineering, M.Kumarasamy College of Engineering, Karur.

3. Dr.M.MUTHUKANNAN, Professor of SSM Institute of Engineering and Technology presented a paper on "Current application of nano materials in various industries" at International Virtual Conference on Science Technology, Engineering and Management (IVSTEM-2021) on 30th & 31st December 2021 organized by Department of Mechanical Engineering, M.Kumarasamy College of Engineering, Karur.

4. Mr. P. SHANKAR KANNAN, Assistant Professor of SSM Institute of Engineering and Technology presented a paper on "Study on mechanical properties of Palm-bamboo al glass fiber composites" at International Virtual Conference on Science Technology, Engineering and Management (IVSTEM-2021) on 30th & 31st December 2021 organized by Department of Mechanical Engineering, M.Kumarasamy College of Engineering, Karur.

5. Dr. R. SUBHAA Associate Professor of SSM Institute of

Engineering and Technology presented a paper on "IoT Based Machine Condition Monitoring System for Sustainable Smart Manufacturing" at International Virtual Conference on Science Technology, Engineering and Management (IVSTEM-2021) on 30th & 31st December 2021 organized by Department of Mechanical Engineering, M.Kumarasamy College of Engineering, Karur.

6. Dr. R. SUBHAA Associate Professor of SSM Institute of Engineering and Technology presented a paper on "Green Manufacturing for Sustainable Competitiveness -Strategies and Initiatives of Industries " at International Virtual Conference on Science Technology, Engineering and Management (IVSTEM-2021) on 30th & 31st December 2021 organized by Department of Mechanical Engineering, M.Kumarasamy College of Engineering, Karur.

7. Dr. R. SUBHAA Associate Professor of SSM Institute of Engineering and Technology presented a paper on "Implementation of Crop Recommendation system through Digitized Agriculture Metrics using IoT " at International Virtual Conference on Science Technology, Engineering and Management (IVSTEM-2021) on 30th & 31st December 2021 organized by Department of Mechanical Engineering, M.Kumarasamy College of Engineering, Karur.

8. V. PREETHI Assistant Professor of SSM Institute of Engineering and Technology presented a paper on "Implementation of Crop Recommendation system through Digitized Agriculture Metrics using IoT " at International Virtual Conference on Science Technology, Engineering and Management (IVSTEM-2021) on 30th & 31st December 2021 organized by Department of Mechanical Engineering, M.Kumarasamy College of Engineering, Karur.

EVENTS ATTENDED BY STUDENTS

1. LAKSHMI N, TAMIL SELVAN Sattended a conference on "International Virtual Conference on Science Technology, Engineering and Management" by M. Kumarasamy College of Engineering, Karur on 30th& 31stDecember 2021.

2. ANUMADHUBALA Rattended a online "Entrepreneurship Development Program on Solar Energy" by MSME-TECHNOLOGY DEVELOPMENT CENTRE (PPDC), AGRA on 11.09.2021 to 19.09.2021.

3. ANUMADHUBALA R attended a "Ideathon' 21" by Indian Institute of Technology (IIT), Mandi on 20th August2021.

4. ANUMADHUBALA R attended aWebinar on "DESIGN OF AUTONOMOUS DRONES" by Kumaraguru College of Technology, Coimbatore on 10th October2021.

5. ANUMADHUBALA R attended aWebinar on "Journey as a Scientist of ISRO" Team20 Helpers on 27th May 2021.