



We Make You Shine
St. JOSEPH'S INSTITUTE OF TECHNOLOGY
(An Autonomous Institution)
St. Joseph's Group of Institutions
Jeppiaar Educational Trust
OMR, Chennai - 119



DEPARTMENT OF MECHANICAL ENGINEERING

News Letter (2022-23 Old SEM)

Brief report on the Semester activities undertaken by **Mechanical department** for the month of **JUNE to OCTOBER** 2022 year

INDUSTRIAL VISIT

1



II YEAR INDUSTRIAL VISIT

We had an opportunity to visit **The Carborundum Co., USA** and the **Universal Grinding Wheel Co. Ltd., U.K.** The Company pioneered the manufacture of Coated Abrasives and Bonded Abrasives in India in addition to the manufacture of Super Refractories, Electro Minerals, Industrial Ceramics and Ceramic Fibres. The visit was planned and executed on **25-08-2022**. **Mr. D. Arthur Jebastine Sunderraj** and **Mr. S. Prathap Singh** are the faculties who went along with **48 students** of **II year mechanical engineering**. The visit started at 8am from college campus and reached the CUMI plant at 10:30am. The industry is located at **thiruvottiyur** near ennore port. The visit was fruitful to students as they learned lot of industrial activities and manufacturing processes and also about the abrasive grinding wheels.

Main objective of the visit is to impart knowledge to students about the industrial activities and various manufacturing processes.

The major outcome of the visit is that students learned much about the industrial activities and manufacturing processes. In addition to that specifically about the abrasive grinding wheels and its application in mechanical field.

The industry provided the visitors maximum safety and two industrial staff **Mr. Valliappan & Mr. Valliappan** explained the concepts to the students in an understandable manner.

After completing the visit the students were provided lunch that was arranged by the college and all are safely sent back to home while returning back to college.

2



III YEAR INDUSTRIAL VISIT

We had an opportunity to visit **Vee S. Vee Industries**, it is one of the leading manufacturer company of high quality products / business services such as Mono Jack Plug, J Clamp, Push Rod, Power Steering Adaptor for leading manufacturing industries like Ashok Leyland, Ford, Hyundai, Royal Enfield etc.,

The visit was planned and executed on **20-08-2022**. **Mr. R. Ranjith Kumar** and **Mr. K. Ramesh** are the faculties who went along with **19 students** of **III year mechanical engineering**. The visit started at 9:30am from college campus and reached the Vee S Vee plant at 11:30am. The industry is located at Perungudi. The visit was fruitful to students as they learned lot of industrial activities and manufacturing processes and also about the various spare parts available in automobile.

Main objective of the visit is to impart knowledge to students about the industrial activities and various manufacturing processes.

The major outcome of the visit is that students learned much about the industrial activities and manufacturing processes. In addition to that specifically about the various sub assembly components of automobiles and its application in mechanical field.

The industry provided the visitors maximum safety and two industrial staff Mr. Rajasekar & Mr. Venkatesh explained the concepts to the students in an understandable manner.

After completing the visit the students were provided lunch that was arranged by the college and all are safely returned back to college.



IV YEAR B INDUSTRY VISIT

We had an opportunity to visit **Neyveli Lignite Corporation**, it is the government organization which produces electrical energy. It's a leading power plant in tamilnadu It works on coal and steam is the main fluid which is utilized to produce electricity...

The visit was planned and executed on **19-09-2022**. **Mr. R. Ranjith Kumar** and **Mr. A.Sathish Kumar** are the faculties who went along with **52 students** of **IV year mechanical engineering**. The visit started at 4:30am from college campus and reached the NLC plant at 9:30am. The industry is located at **Neyveli**. The visit was fruitful to students as they learned lot of industrial activities and Process of power plant and various equipment used in power plant.

Main objective of the visit is to impart knowledge to students about the industrial activities and Working of power plant.

The major outcome of the visit is that students learned much about the industrial activities and power plant working principle. In addition to that specifically about the various sub assembly components of power plant and its application in mechanical field.

The industry provided the visitors maximum safety and two industrial staff **Mr. Rajan & Mr. Magesh** explained the concepts to the students in an understandable manner.

After completing the visit the students were provided lunch that was arranged outside as it was long industrial visit. The students were then dropped at Convenient location to reach their Home safely.



IV YEAR A INDUSTRY VISIT

We had an opportunity to visit **Neyveli Lignite Corporation**, it is the government organisation which produces electrical energy. It's a leading power plant in tamilnadu It works on coal and steam is the main fluid which is utilized to produce electricity..,

The visit was planned and executed on **19-09-2022**. **Mr. R.**

Ranjith Kumar and **Mr. A.Sathish Kumar** are the faculties who went along with **48 students** of **IV year mechanical engineering**.

The visit started at 4:30am from college campus and reached the NLC plant at 9:30am. The industry is located at **Neyveli**. The visit was fruitful to students as they learned lot of industrial activities and Process of power plant and various equipment used in power plant.

Main objective of the visit is to impart knowledge to students about the industrial activities and Working of power plant.

The major outcome of the visit is that students learned much about the industrial activities and power plant working principle. In addition to that specifically about the various sub assembly components of power plant and its application in mechanical field.

The industry provided the visitors maximum safety and two industrial staff **Mr. Rajan & Mr. Magesh** explained the concepts to the students in an understandable manner.

After completing the visit the students were provided lunch that was arranged outside as it was long industrial visit. The students were then dropped at Convenient location to reach their Home safely.

STUDENT WORKSHOP

Student Workshop - I



1



Date of the event : 22.9.2022

Title : Design Now using Fusion 360 – Phase 1

Resource Person : Mr.Altaf Hussain Khanday

No of Participants : All final year students (103 students)

Sponsoring Agency : ICT Academy

Venue : CAD/CAM lab

Objectives: The objective of the workshop is to mould the students to understand the fundamentals of design in industrial working environment. The outcome from the course enriches the student knowledge on industrial environment and adapts to suit the industry ready environment.

Student Workshop - II



2



Date of the event : 20.10.2022

Title : Design Now using Fusion 360 – Phase 2

Resource Person : Mr. Altaf Hussain Khanday

No of Participants : All final year students (103 students)

Sponsoring Agency : ICT Academy

Venue : CAD/CAM lab

Objectives: The objective of the workshop is to mould the students to understand the fundamentals of design in industrial working environment. The outcome from the course enriches the student knowledge on industrial environment and adapts to suit the industry ready environment.

Student Workshop – III



Date of the event : 12.8.2022 to 13.8.2022

Title : Lean manufacturing to minimize waste on production system

Resource Person : Mr.R. Balakrishnan
CEO
Viruksa Manufacturing Solutions
Private Limited, Chennai

No of Participants : All II & III year students (80 students)

Sponsoring Agency : Institute of Engineers India (IEI)

Venue : Library Conference Hall

3



Objectives: The objective of the workshop is to incorporate the knowledge on production systems and value enhancing the product to minimize the waste using lean manufacturing concepts. The workshop helps to enrich the student knowledge on production system and can be applied to industry and mould them to perform in interviews.

STUDENT CHAPTER ACTIVITIES (Institution Engineers of India)

BEST FACULTY AWARD



Date of the event : 26.10.22

Award : Best Faculty Award

Awarded to : Dr. K. Arun Vasantha Geethan

No of Participants : Various Engineering college from
Kancheपुरam Local Center

Sponsoring Agency : Institute of Engineers India (IEI)

Venue : Jerusellam College of Engineering

1



BEST STUDENT AWARD



Date of the event : 26.10.22

Award : Best Student Award

Awarded to : Mr. R. R. Aakash

No of Participants : Various Engineering college from
Kancheपुरam Local Center

Sponsoring Agency : Institute of Engineers India (IEI)

Venue : Jerusellam College of Engineering

2



WORKSHOP



3



Date of the event : 20.04.2022

Title : Sharpen Your Skill Set Using Intensifying Software Applications

Resource Person :Mr. S. Karaiadiselman
Managing Director- CADD Centre
Chennai

No of Participants : All II & III year students (80 students)

Sponsoring Agency : Institute of Engineers India (IEI)

Venue : Audio Video Hall 1

Objectives: The objective of the workshop is to make the students to enhance them with current industrial affairs with 2.0 and automation by the latest software usage and its opportunities in the industry. This workshop brings the students to update themselves in their software development.

GUINNESS RECORD ONLINE PROGRAM



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St. JOSEPH'S INSTITUTE OF TECHNOLOGY
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Department of Mechanical Engineering
In Association With



The Institution of Engineers (India)
Kancheपुरam Local Centre

Webinar on
Recent Trends in Product Design for Sustainable Development



Zoom ID: 814 7740 0829
Passcode: IEIKLC

Mr. P. G. Ramanan
Director, Partner & MR
CADDAM Technologies Pvt.Ltd, Chennai,

10th May 2022
@ 6.00Pm to 8.00Pm
Virtual Zoom Platform

COUNSELING CODE 1149

CHIEF PATRON
Dr. B. Babu Manoharan M.A., M.B.A., Ph.D.
Chairman, St. Joseph's Group of Institutions

PATRONS
Mrs. S. Jessie Priya M.Com. Managing Director, St. Joseph's Group of Institutions
Mr. B. Shashi Sekar M.Sc. Executive Director, St. Joseph's Group of Institutions

Dr. P. Ravichandran M.Tech., Ph.D.
Principal, St. Joseph's Institute of Technology

Convenors
Dr. K. Arun Vasantha Geethan, M.E., Ph.D. HOD-Department of Mechanical Engg.
Dr. V. Savithiri, M.E., Ph.D. HOD- Lab Affairs

Coordinator
Mr. D. Arthur Jebastine Sunderraj, M.E., (Ph.D.),
Assistant Professor, Mech. 9894438883

St. Joseph's Total Placement Offers 2020-2021: 1452* (*As on Date)

St. Joseph's Total Placement Offers 2021-2022: 2368* (*As on Date)

St. Joseph's Group of Institutions | St. JOSEPH'S TECHNOLOGY OMR-MECHANICAL ENGINEERING | St. Joseph's Group of Institutions | www.stjosephstechnology.ac.in/web/index.html

4

Date of the event : 10.05.2022

Title : Recent trends in product design for sustainable development

Resource Person : Mr. P.G.Ramanan
Director, Partner & MR
CADDAM Technologies Pvt, LTD,
Chennai

No of Participants : All Mechanical students (183 students)

Sponsoring Agency : Institute of Engineers India (IEI)

Venue : Online

Objectives: On behalf of the centenary year celebration of Institution Engineers of India Kancheपुरam local center has organized a 100 hours continues program through online for various reputed colleges. In that we our department of mechanical engineering of St. Joseph's Institute of Technology also selected as a one of the participant and the coordinator of the program Dr.K.Arun Vasantha Geethan has given the welcome note and the program was lectured by the chief guest and he shares the knowledge about the recent trends in design development for a product.

SYMPOSIUM (IMPULZ 2022)

1



IMPULZ 2K22

- Mechanical Department Symposium conducted on 08.10.2022
- 5 events were Conducted namely, Drafrrix, JIT Machining, Pitstop, Ignited Minds and Propelz
- More than 50 students from various Colleges were participated.
- Total prize money is Rs. 30,000/-

2



Nail Art of Dr.A.P.J.Abdul Kalam by our Students

3



String Art by our Students

4





Prize Distribution

5



Event Photos

GUEST LECTURES

| SI No | Photos of the Event | Description |
|----------|---|--|
| 1 | <p style="text-align: center;">Guest Lecture 1</p>  | <p>Date of the event : 01-09-2022 Title : New product development using CREO” and CATIA Resource Person : Mr. R. Balakrishnan, CEO, Viruksa Manufacturing Solutions Private Limited, Chennai No of Participants : All II & III year students (80 students) Sponsoring Agency : Institute of Engineers India (IEI) Venue : Conference Hall</p> |
| 2 | <p style="text-align: center;">Guest Lecture 2</p>  | <p>Date of the event : 19-08-2022 Title : Advances in Machining process Resource Person : Dr. S. Vinoth Kumar M.E., Ph.D., School of Mechanical Engineering, Shandong University, China No of Participants : All II & III year students (80 students) Sponsoring Agency : Institute of Engineers India (IEI) Venue : Conference Hall</p> |

| SI No | Photos of the Event | Description |
|-------|---|--|
| 3 | <p style="text-align: center;">Guest Lecture 3</p>  | <p>Date of the event : 03-09-2022 Title : Industry 4.0 Resource Person : Mr. R. Balakrishnan, CEO, Viruksa Manufacturing Solutions Private Limited, Chennai No of Participants : All II & III year students (80 students) Sponsoring Agency : Society of Automotive Engineers Venue : Conference Hall</p> |
| 4 | <p style="text-align: center;">Guest Lecture 4</p>  | <p>Date of the event : 18-08-2022 Title : Introduction to Academic Project Resource Person : Dr. I. Saravanan, Chief Consultant, Mattest Research Academy No of Participants : All II & III year students (80 students) Sponsoring Agency : Society of Automotive Engineers Venue : Conference Hall</p> |

FACULTY DEVELOPMENT PROGRAM ATTENDED BY STAFF MEMBERS

| Sl No | Staff Name | Title of FDP/ STTP | Funding agency / Sponsoring agency | Venue | Duration (DAYS) | Dates |
|-------|----------------------------|---|------------------------------------|---|-----------------|---------------------------------|
| 1 | Mr.J.Immanuel Durai Raj | Futuristic Research in Mechanical Engineering | Self | SRM Institute of Science and Technology, Ramapuram Campus | 6 days | 08th August to 13th August 2022 |
| 2 | | Ethics in Engineering practice | MoE, Govt of India | NPTEL , IIT Madras | One week | Aug -Oct 2022 |
| 3 | Mr.S.A.Muhammed Abraar S.A | Futuristic Research in Mechanical Engineering | Self | SRM Institute of Science and Technology, Ramapuram Campus | 6 days | 08th August to 13th August 2022 |
| 4 | Mr.N.Suresh | Futuristic Research in Mechanical Engineering | Self | SRM Institute of Science and Technology, Ramapuram Campus | 6 days | 08th August to 13th August 2022 |
| 5 | Mr.K. Narayanamoorthy | Futuristic Research in Mechanical Engineering | Self | SRM Institute of Science and Technology, Ramapuram Campus | 6 days | 08th August to 13th August 2022 |
| 6 | Mr.A.Sathish Kumar | AutoDesk Fusion 360 | Self | Sri Sairam Engineering college | 5 days | 01 St August to 5th August |
| 7 | | Futuristic Research in Mechanical Engineering | Self | SRM Institute of Science and Technology, Ramapuram Campus | 6 days | 08th August to 13th August 2022 |

| Sl No | Staff Name | Title of FDP/ STTP | Funding agency / Sponsoring agency | Venue | Duration (DAYS) | Dates |
|--------------|---------------------|---|---|---|------------------------|---------------------------------|
| 8 | Mr.K.Ramesh | Futuristic Research in Mechanical Engineering | Self | SRM Institute of Science and Technology, Ramapuram Campus | One Weeks | 08th August to 13th August 2022 |
| 9 | | Data Science Tools | Self | Easwari Engineering College | Two Weeks | 07th Oct 2022 to 20th Oct 2022 |
| 10 | Mr.R.Ranjith Kumar | Futuristic Research in Mechanical Engineering | Self | SRM Institute of Science and Technology, Ramapuram Campus | Two Weeks | 08th August to 13th August 2022 |
| 11 | | FUNDAMENTALS OF MANUFACTURING PROCESSES | MoE, Govt of India | NPTEL , IIT Madras | One and half week | Sep-Oct 2022 |
| 12 | Mr.S. Prathap Singh | Accreditation And Outcome Based Learning | MoE, Govt of India | NPTEL , IIT Madras | One week | Sep-Oct 2022 |

FACULTY'S PUBLICATION IN WOS, SCOPUS

| S. No | Staff Name | Month and Year | Name of Journal | All Authors Name, Paper Title, volume, month, year of publication |
|-------|-------------------------------------|----------------|--|--|
| 1 | Dr. K. Arun Vasantha Geethan | September 2022 | Fresenius Environmental Bulletin | K Arun Vasantha Geethan, S Godwin Barnabas, Vijay Ananth Suyamburajan, S Valai Ganesh, , <i>Obtaining The Zero Landfill For End Of Life Of Automotive Components Using Efficient Recycling And Reusing Approach</i> , Volume 31– No. 09/2022 pages 9821-9830 |
| 2 | | June 2022 | Material Today Proceeding | Chrispin Das M, Arthur Jebastine Sunderraj D, Arun Vasantha Geethan K, Elilraja D, Prabhuram T and Prathap Singh S, <i>Mechanical and Moisture Absorption behavior of Woven Pineapple Leaf Phenol Formaldehyde Composites</i> , 62(2), June 2022. |
| 3 | | August2022 | Soldering & Surface Mount Technology | D. Arthur Jebastine Sunderraj, D. Ananthapadmanaban, K. Arun Vasantha Geethan, <i>Mechanical testing and characterization of tin–zinc–antimony–lanthanum lead-free solders produced using mechanical alloying and furnace melting techniques</i> , August 2022. |
| 4 | | June 2022 | Material Today Proceeding | S.Prathap Singh, D.Ananthapadmanaban, K. Arun Vasantha Geethan, P. Ravichandran, <i>Microscopical and corrosion studies on Al6061 - 10% Al₂O₃ functionally graded metal matrix composites</i> , 62(2), June 2022. |
| 5 | Dr. D. Elil Raja | August 2022 | Journal of Ceramic Processing Research | M. Rajeshwaran, B. Shreeram, T. Thangeeswari and D. Elil Raja, <i>Experimental analysis and investigation of the performance of 3Al₂O₃·2SiO₂·La₂O₃ ceramic-coated piston</i> , 23(4), August 2022. |
| 6 | | Sep 2022 | Materials today: Proceedings | Ramesh Krishnan, K. Gnanasekaran, Dr. D. Elil Raja, S. Jagadeesh, S. Prathap Singh, <i>Experimental Study of Micro-EDM on EN24 Steel with Normal Brass, Tin Coated Brass, Cryogenic Treated Brass Tool by Varying the Machining Parameters</i> , 66(4), September 2022. |
| 7 | | June 2022 | Material Today Proceeding | T. Prabhuram, S. Prathap Singh, J. Immanuel Durairaj, D. Elilraja, M. Chrispin Das, D. Arthur Jebastine Sunderraj, <i>Optimization of operation parameters in machining of functionally graded metal matrix composite using TOPSIS</i> , 62(2), June 2022. |
| 8 | | June 2022 | Material Today Proceeding | Chrispin Das M, Arthur Jebastine Sunderraj D, Arun Vasantha Geethan K, Elilraja D, Prabhuram T and Prathap Singh S, <i>Mechanical and Moisture Absorption behavior of Woven Pineapple Leaf Phenol Formaldehyde Composites</i> , 62(2), June 2022. |

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|----|--|----------------|--|---|
| 9 | Dr. M. Chrispin Das | June 2022 | Material Today Proceeding | T. Prabhuram , S. Prathap Singh, J. Immanuel Durairaj, D. Elilraja, M. Chrispin Das, D. Arthur Jebastine Sunderraj, <i>Optimization of operation parameters in machining of functionally graded metal matrix composite using TOPSIS</i> , 62(2), June 2022. |
| 10 | | June 2022 | Material Today Proceeding | Chrispin Das M , Arthur Jebastine Sunderraj D, Arun Vasantha Geethan K, Elilraja D, Prabhuram T and Prathap Singh S, <i>Mechanical and Moisture Absorption behavior of Woven Pineapple Leaf Phenol Formaldehyde Composites</i> , 62(2), June 2022. |
| 11 | Mr. T. Prabhuram | June 2022 | Material Today Proceeding | T. Prabhuram , S. Prathap Singh, J. Immanuel Durairaj, D. Elilraja, M. Chrispin Das, D. Arthur Jebastine Sunderraj, <i>Optimization of operation parameters in machining of functionally graded metal matrix composite using TOPSIS</i> , 62(2), June 2022. |
| 12 | | June 2022 | Material Today Proceeding | Chrispin Das M , Arthur Jebastine Sunderraj D, Arun Vasantha Geethan K, Elilraja D, Prabhuram T and Prathap Singh S, <i>Mechanical and Moisture Absorption behavior of Woven Pineapple Leaf Phenol Formaldehyde Composites</i> , 62(2), June 2022. |
| 13 | Mr. J. Immanuel Durai Raj | June 2022 | Material Today Proceeding | T. Prabhuram , S. Prathap Singh, J. Immanuel Durairaj, D. Elilraja, M. Chrispin Das, D. Arthur Jebastine Sunderraj, <i>Optimization of operation parameters in machining of functionally graded metal matrix composite using TOPSIS</i> , 62(2), June 2022. |
| 14 | | June 2022 | International Journal of Health Sciences | Perumal, T. S. R., Kulshrestha, V., Shastri, R. K., Raj, J.Immanuel Durai Raj , Mahandiran, S. B., & Velu, C, <i>Evaluation of image quality based on visual perception using antagonistic networks in autonomous vehicles</i> . International Journal of Health Sciences, 6(S3), June 2022. |
| 15 | Mr. D. Arthur Jebastine Sunderraj | August2022 | Soldering & Surface Mount Technology | D. Arthur Jebastine Sunderraj , D. Ananthapadmanaban, K. Arun Vasantha Geethan, <i>Mechanical testing and characterization of tin–zinc–antimony–lanthanum lead-free solders produced using mechanical alloying and furnace melting techniques</i> , August 2022. |
| 16 | | June 2022 | Material Today Proceeding | T. Prabhuram , S. Prathap Singh, J. Immanuel Durairaj, D. Elilraja, M. Chrispin Das, D. Arthur Jebastine Sunderraj, <i>Optimization of operation parameters in machining of functionally graded metal matrix composite using TOPSIS</i> , 62(2), June 2022. |
| 17 | | June 2022 | Material Today Proceeding | Chrispin Das M , Arthur Jebastine Sunderraj D, Arun Vasantha Geethan K, Elilraja D, Prabhuram T and Prathap Singh S, <i>Mechanical and Moisture Absorption behavior of Woven Pineapple Leaf Phenol Formaldehyde Composites</i> , 62(2), June 2022. |
| 18 | Mr. R. Ranjith Kumar | September 2022 | Material Today Proceeding | G R Kannan, B. Vijaya Kumar, T. S. Senthil, Prashant sunagar, R. Ranjith Kumar , Lukesh Parida, Ram Subbiah, <i>optimization and electro chemical grinding surface investigation on eglin steel</i> , 66(3), September 2022. |

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|----|-----------------------------|----------------------------------|--|--|
| 19 | Mr. S. Jagadeesh | September 2022 | Materials today: Proceedings | Ramesh Krishnan, K. Gnanasekaran, Dr. D. Elil Raja, S. Jagadeesh, S. Prathap Singh, <i>Experimental Study of Micro-EDM on EN24 Steel with Normal Brass, Tin Coated Brass, Cryogenic Treated Brass Tool by Varying the Machining Parameters</i> , 66(4), September 2022. |
| 20 | Mr. K. Ramesh | July 2022 | Environmental Engineering and Management Journal | Gopinath Dhamodaran, Ganapathy Sundaram Esakkimuthu, Thennarasu Palani, Ramesh Krishnan , "Feasibility of adding fuel oil as an oxygenate to gasoline on reducing MPFI engine emission" July 2022 |
| 21 | | June 2022 | Materials today: Proceedings | Ramesh Krishnan, K. Gnanasekaran, Dr. D. Elil Raja, S. Jagadeesh, S. Prathap Singh, <i>Experimental Study of Micro-EDM on EN24 Steel with Normal Brass, Tin Coated Brass, Cryogenic Treated Brass Tool by Varying the Machining Parameters</i> , 66(4), September 2022. |
| 22 | Mr. A. Sathish Kumar | September 2022 | Materials today: Proceedings | Y. Brucely, Manas Ranjan Sahoo , Shubhajit Halder A Sathish Kumar , Lukesh Parida, <i>Investigating mechanical strength of luffa and pineapple fibre reinforced polymer composite</i> , September 22 |
| 23 | Mr. S. Prathap Singh | June 2022 | Material Today Proceeding | S.Prathap Singh , D. X. Tittu George, M. Maria Jebin, <i>Optimization of WEDM control parameters for machining of functionally graded Al6061-10 %Al₂O₃ composite</i> , 63, June 2022. |
| 24 | | June 2022 | Material Today Proceeding | S.Prathap Singh , D.Ananthapadmanaban, K. Arun Vasantha Geethan, P. Ravichandran, <i>Microscopical and corrosion studies on Al6061 - 10% Al₂O₃ functionally graded metal matrix composites</i> , 62(2), June 2022. |
| 25 | | June 2022 | Material Today Proceeding | T. Prabhuram , S. Prathap Singh, J. Immanuel Durairaj, D. Elilraja, M. Chrispin Das, D. Arthur Jebastine Sunderraj, <i>Optimization of operation parameters in machining of functionally graded metal matrix composite using TOPSIS</i> , 62(2), June 2022. |
| 26 | | June 2022 | Material Today Proceeding | Chrispin Das M , Arthur Jebastine Sunderraj D, Arun Vasantha Geethan K, Elilraja D, Prabhuram T and Prathap Singh S, <i>Mechanical and Moisture Absorption behavior of Woven Pineapple Leaf Phenol Formaldehyde Composites</i> , 62(2), June 2022. |
| 27 | | August 2022 | Material Today Proceeding | Ramesh Krishnan , K. Gnanasekaran, D. Elil Raja, S. Jagadeesh, S. Prathap Singh, <i>Experimental study of micro-EDM on EN24 steel with normal brass, tin coated brass, cryogenic treated brass tool by varying the machining parameters</i> , 66(4), September 2022. |
| 28 | | Mr. S. A. Muhammed Abraar | August 2022 | AIP Conference Proceedings |

INTERNSHIPS

| Sl No | Name of student | Year | Date (s) | Name of company | Duration |
|-------|-------------------|------|--------------------------|---|----------|
| 1 | Balamurugan R | IV | 18/2/21 To 23/9/22 | MAHLE Engine Components India Private Limited Chennai | 6 Months |
| 2 | Barath Naresh R G | IV | 18/2/21 To 23/9/22 | MAHLE Engine Components India Private Limited Chennai | 6 Months |

AWARDS WON BY STUDENTS

| Sl No | Photo | Description |
|-------|---|---|
| 1 |  | <p>Date of the event : 26.10.22</p> <p>Award : Best Student Award</p> <p>Awarded to : Mr. R. R. Aakash</p> <p>No of Participants : Various Engineering college from Kanchepuram Local Center</p> <p>Sponsoring Agency : Institute of Engineers India (IEI)</p> <p>Venue : Jerusellam College of Engineering</p> |

PRIZE WON BY STUDENTS

| S. No | Year | Name of the student | Name of the Institute | Name of the event | Prize won |
|--------------|-------------|----------------------------|---|--------------------------|------------------|
| 1 | II | Keerthan A | R. M. K College of Engineering and Technology | Technical Quiz | Third |
| 2 | II | Ilamaran K N | | Basketball Shoot | First |
| 3 | II | Ilamaran K N | | Technical Quiz | First |
| 4 | II | Sudharsanan R | | Technical Quiz | First |
| 5 | II | Christopher A | | MR. MACHINIST | Second |
| 6 | IV | Mohan Raj M | St. Joseph's College of Engineering | Water Rocketry | Third |
| 7 | IV | Saravanan M | | Water Rocketry | Third |
| 8 | IV | Sankar Ganesh B | | Water Rocketry | Third |

Prepared By,

D. Arthur Jebastine Sunderraj
Department Coordinator

Head of the Department

1. Dr.K. Arun Vasantha Geethan
HOD- Department of Mechanical

2. Dr.D.Elil Raja
HOD-Lab Affairs Dept of Mechanical

Note:

- **Kindly submit the reports of June 2022 to October 2022 by November 25**
- **This Report need to be submitted (soft and hard copy) on or before Last Friday of every month.**
- **Soft copy of the report need to be sent to igac@stjosephstechnology.ac.in with a CC to Principal.**
- **Hard Copy of Report needs to be submitted to IQAC coordinators.**