

PRAGYAAN'23

Vol.8

August 2023



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VISION

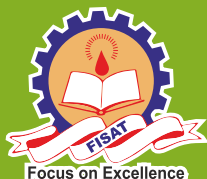
To develop as a centre of excellence in Mechanical Engineering, moulding competent engineers with social commitment, capable of undertaking technical responsibilities and innovative challenges.

MISSION

- M1 : To build strong foundation in Mechanical Engineering and allied areas.
- M2 : To mould students with good leadership qualities and nurture their entrepreneurship skills.
- M3 : To encourage the students for finding solutions to real engineering world problems.
- M4 : To provide a platform for professional development and lifelong learning along with awareness of social responsibilities.

PROGRAMME EDUCATIONAL OBJECTIVES

- ❖ Graduates of this program will emerge as true professionals, capable of designing and analyzing products or processes based on engineering practices and scientific knowledge for the benefit of society.
- ❖ Graduates of this program will be equipped to shape their career and will be able to take up challenges and find solutions to problems related to Mechanical Engineering or allied fields.
- ❖ Graduates of this program will succeed in multicultural and multidisciplinary environment, imbibing the spirit of lifelong learning and societal commitment.



FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT) ®

Accredited by NBA & NAAC with A+ grade

Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University
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email : mail@fisat.ac.in website: www.fisat.ac.in



CHAIRMAN'S MESSAGE

I am delighted to address you once again through the pages of the annual newsletter, "PRAGYAAN." As we gather here to reflect upon the year gone by and to share the achievements, innovations, and aspirations of the department of mechanical engineering, I feel proud of the incredible work that the department continues to accomplish.

The past year has been a testament to the unwavering dedication and resilience of the faculty, staff, and students. In the face of unprecedented challenges, we not only persevered but also emerged stronger, more innovative, and more committed to the mission of advancing knowledge in mechanical engineering.

Special congratulations to the students for your exceptional accomplishments. Your hard work, creativity, and determination have not only achieved excellence in academics but have also shone through in various competitions, research projects, and community initiatives. You are the future of mechanical engineering, and I have no doubt that you will continue to push the boundaries of what is possible in this field.

The Department of Mechanical Engineering has always been at the forefront of innovation, and I have no doubt that the department will continue to lead the way in the years to come.

I would like to wholeheartedly commend all the faculty members, staff, students, alumni, and partners who have contributed to the success of the department. Your dedication and support have been instrumental in all the achievements, and I am confident that the department will achieve more laurels in the future.

In closing, I want to wish each and every one of you a year filled with success, growth, and fulfilment. May "PRAGYAAN" continue to be a source of inspiration, information, and pride for the department.

Thank you, and let us continue to strive for excellence in the field of mechanical engineering

Mr. Shimith P.R.
Chairman, FISAT



PRINCIPAL'S MESSAGE

I am pleased to extend my warmest greetings to all of you as we come together once again to celebrate another year of remarkable achievements and progress of the department of Mechanical Engineering. The annual newsletter, "PRAGYAAN," serves as a testament to the collective dedication and unceasing pursuit of excellence.

In a world marked by constant change and innovation, it is truly inspiring to witness how the department continues to adapt, evolve, and lead the way. The past year has been filled with exceptional accomplishments and a dedication to fostering a culture of learning, discovery, and growth.

The faculty members of the department have continued to excel in their research and scholarly pursuits, contributing significantly to the body of knowledge in the field of mechanical engineering. Their passion for discovery and dedication to mentoring the next generation of engineers is a source of immense pride.

Students of the department have consistently demonstrated exceptional talent, creativity, and a commitment to academic and extracurricular excellence. Their contributions to research projects, competitions, and community initiatives have showcased your exceptional abilities and commitment to making a positive impact.

As we look to the future, I am filled with optimism and excitement about the possibilities that lie ahead. The field of mechanical engineering is ever-evolving, and I am confident that the department will remain at the forefront of innovation and discovery.

I want to express my sincere appreciation to all of you - faculty members, staff, students, alumni, and partners - for your unwavering support, dedication, and contributions to the department's success. Your collective efforts have elevated the department to new heights, and I have no doubt that you will continue to achieve greatness.

In conclusion, I extend my best wishes to each and every one of you for a year filled with growth, learning, and accomplishment. May "PRAGYAAN" continue to serve as a beacon of inspiration and a platform for sharing the department's remarkable journey.

Dr. Mini P.R.,
Principal in charge, FISAT

**Dr. C. Sheela**

Director,
Research & Development



HOD'S MESSAGE

In this year's "PRAGYAAN," we celebrate our relentless pursuit of knowledge and innovation. Our faculty, staff, and students continue to excel, pushing boundaries and inspiring change. As we forge ahead, let us remember that our collective efforts drive our success. Together, we are shaping the future of mechanical engineering.

Thank you for your unwavering dedication.

Warm regards,

Dr. Sumanlal M R

Head of Department
Mechanical Engineering

**Dr. Unni Kartha G**

Dean, Academics



Department of Mechanical Engineering Successfully defended the compliance audit conducted on 1st April 2023 by NBA. An Expert Team conducted data verification of the programme. The report submitted by Expert Team was considered by concerned committees constituted for the purpose in NBA. The competent authority in NBA has approved extension of accreditation status upto 30.06.2026.



The institution got accredited by the National Assessment and Accreditation Council (NAAC) with an 'A+' grade in the 2nd cycle. NAAC peer team visit was held on 9th and 10th Marh 2023. The grade point awarded 3.45/5 is one among the best in Engineering colleges of the state.

From the Editors Desk

PRAGYAAN '23 is the official newsletter of Department of Mechanical Engineering, FISAT which is a snapshot of all the activities of academic year 2022-'23. This will serve to reinforce and allow increased awareness, improved interaction and integration among all of us. The contents in the Newsletter include messages from higher officials, programmes conducted in the department and achievements by faculty and students.

Highlight of this academic year is renewal of NBA accreditation to department for three more years. Also, the college got accredited by NAAC with A+ grade. Department conducted an international conference and a 5-day FDP in association with a foreign university and KTU respectively. Students under the banner of ASME, SAE and ISHRAE participated in many competitions and won prizes. The academic year was really remarkable for the department with activities and achievements. The efforts by Faculty, staff and students under the guidance of HOD is to be highly appreciated.

I would like to thank all faculty, staff and students for the timely contributions to this newsletter, so that we could release this edition in time. I also thank our Chairman, Principal and HOD for the guidance extended to us during the entire process of its creation. We look forward to receive constructive suggestions from all, towards the improvement of the Newsletter content.

Chief Editor

**Mr. Jiju P P**

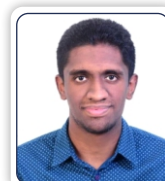
Asst. Professor, Sr. Grade,
Dept. of ME

Associate Editor

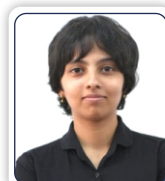
**Mr. Arun J Kulangara**

Assistant Professor,
Dept. of ME

Student Editors

**Isaac James**

Third year Mech

**Aparna S**

Final year Mech

Design

Mr. Vishnu Prasad

Web Graphic Designer, FISAT

Department Advisory Committee (DAC)

The committee aims at developing an understanding of the latest industry trends. They provide valuable suggestions and support the Department in all the activities. The present DAC consists of the following members.

- | | |
|--|--|
| 1. Mr. Shimith P R , Chairman, Governing Body, FISAT | 8. Dr. Sumanlal M.R |
| 2. Dr. Mini P R, Vice Principal, FISAT | Head of the Department (Mech. Engg.), FISAT |
| 3. Dr. C Sheela , Director, Research & Development, FISAT | 9. Dr. Jose Cherian |
| 4. Dr. Unni Kartha G, Dean, Academics, FISAT | Professor, Dept. of Mechanical Engg., FISAT |
| 5. Mr. Deepak Prabhakar, CGM(CS), Mangalore Refinery & Petrochemicals Ltd. Kuthethoor PO, Mangalore. | 10. Smt. Devi Parvathy S, Assistant Prof. Sr. Grade, FISAT |
| 6. Dr. Biju Augustine, Professor, Dept. of ME, GEC Wayanad | 11. Mr. Jiju P P, Assistant Prof. Sr. Grade, FISAT |
| 7. Mr. Rishi S Kumar, Engineer R&D, V-Guard Industries Ltd. Ernakulam | 12. Mr. Sajan S, Assistant Prof. Sr. Grade, FISAT |
| | 13. Mr. Arun J Kulangara, Assistant Professor, ME, FISAT |

i-SMaRT 2023, International Conference on Sustainable materials, Manufacturing and Renewable Technologies - 2023, *“Marching Towards a Sustainable Future”*

The International Conference on Sustainable materials, Manufacturing and Renewable Technologies (i-SMaRT) is conceived as an annual academic conference and all the papers are peer reviewed before acceptance. i-SMaRT is organized by the Mechanical Engineering department of Federal Institute of Science and Technology. The third in the series, i-SMaRT 2023 is jointly organized by the Department of Mechanical Engineering, Federal Institute of Science and Technology, College of Engineering, Universiti Teknologi MARA (UiTM), Malaysia and King Mongkut's University of Technology North Bangkok (KMUTNB), Bangkok Campus, Thailand.

The Conference was held during 24th - 26th May 2023, and aims to promote sharing of new knowledge and exchange of the latest ideas in the field through deliberations in the conference. The conference committee has also arranged a pre-conference workshop on research publication and proposal writing on 23rd May.



The Conference commenced on 24th May, 2023. Dr. N V David, Associate Professor, College of Engineering, Universiti Teknologi MARA, Malaysia, was the chief guest. Dr. Peerawatt Nunthavarawon was also present during the inauguration representing our academic partner the King Mongkut's University of Technology North Bangkok (KMUTNB), Thailand. Dr. S. Kanmani Subbu, Assistant Professor, Indian Institute of Technology (IIT) Palakkad and Dr. Basil Kuriachen, Assistant Professor, NIT Calicut were present during the inaugural function as guests of honour. The program began with an invocation and Dr. Harish T M, introduced the conference and related activities to the audience assembled. Dr. Sumanlal M R welcomed the gathering. Mr. Shimith P R, presided over the function and delivered the Presidential Address. Dr. Manoj George delivered the principal's address. Dr. N V David, inaugurated the function by lighting the lamp and delivered the inaugural address.

The proceedings abstract book of i-SMaRT 2023 was also released by Dr. N V David by handing over the first copy to Dr. Peerawatt Nunthavarawon. Mr. Shimith P R, Chairman of the Governing Body of FISAT, Dr. Manoj George, The Principal, Dr. Mini P R, Vice Principal, Dr. Sumanlal M R, HOD (ME), Dr Rejeesh C R and Dr. Harish T M, Conveners of i- SmART 2023 were also present on the dias.

Felicitations were extended by our honourable guests. Dr. Rejeesh C R, Convener i-SMaRT 2023 extended the Vote of thanks.

The Conference has received more than 100 full paper submissions from India and abroad. The conference received a total of 10%

manuscripts with foreign affiliations originating from Malaysia, Thailand, Ecuador and USA. All the accepted papers were published in proceedings (Abstract book) of i-SMaRT 2023 with ISBN number 978-93-92537-61-5. In addition to this, authors also have opted to publish in our Scopus/WoS (ESCI) indexed partner journals.

Delegates and invited speakers from three foreign countries are a part of this conference apart from several Indian researchers from premium institutions and institutes of national importance. Invited speakers from Malaysia, Czech Republic, Slovakia and Thailand and contributory speakers from various foreign countries have contributed to this conference which makes this event an opportunity for international collaboration in academic research. Around 5 keynote lectures have been scheduled, along with around 50+ contributory presentations and 30+ poster presentations.

Keynote Addresses



**Slurry Jet Erosion Wear of Materials:
Recent Testing and Calculation**
Dr. P. Nunthavarawong

*King Mongkut's University of Technology North Bangkok,
Thailand*



**High-Acceleration Shock Characteristics of Industrial
Marine Fenders: Experimental Design using Analytical
Formulations**
Dr. David. NV

*School of Mechanical Engineering, College of Engineering,
Universiti Teknologi MARA, 40450 Shah Alam, Selangor,
Malaysia*



**Challenges in Fabrication of Parts in Metal Additive
Manufacturing**
Dr. S. Kanmani Subbu

*Assistant Professor, Department of Mechanical Engineering,
Indian Institute of Technology Palakkad, India*



**Machinability of Inconel 718: the impact of cutting
temperature**

Dr. Basil Kuriachen

*Assistant Professor, Department of Mechanical Engineering,
National Institute of Technology Calicut, Kozhikode, India*



There's More to Coconuts Than You Think
Ms. Zuzana Gombošová

*Co-founder and Director,
Malai biomaterials design Pvt. Ltd., Slovakia.*

KTU Sponsored 5-day FDP on 'Emerging Trends in Additive Manufacturing Technologies'

Department of Mechanical engineering FISAT conducted an FDP on Emerging Trends In Additive Manufacturing Technologies' from 30th Jan to 3rd Feb 2023. The programme was sponsored by APJ Abdul Kalam Technological University and received a fund of Rs. 1,34,000/-. Resource persons from Central Manufacturing Technology Institute, Bangalore, Coimbatore Institute of Technology, Amritha Vishwa Vidyapeetham Coimbatore, Indian Institute of Technology Palakkad, National Institute of Technology, Tiruchirappalli handled the sessions.

Additive Manufacturing (AM) is a rapidly evolving field with a wide range of applications and has the potential to change the way products are designed, manufactured, and used. As such, the relevance of AM as a topic in faculty development programmes lies in several key areas, including Industry Demand, Emerging Trend, Integration into Teaching and Research, Hands-on Experience, Enhancing Competitiveness and Collaboration and Networking

The program began with an invocation and Dr.Sumanalal M R, HOD of the Mechanical Engineering Department welcomed the gathering. Mr.Shimith P R – Chairman of the Governing body of the FISAT presided over the function. Mr. Vinod A R – Scientist – D Central Manufacturing Technology, Bangalore was the chief guest of the function and he delivered the inaugural address. Dr.Manoj George, Principal FISAT extended felicitation to the event. Dr.C Sheela Vice Principal FISAT and Dr. Mini P R, Dean Academics FISAT were also present in the function. Dr.Harish T M, Assistant Professor and Convenor of the FDP extended the vote of Thanks.



Inaugural Function of the FDP



Participants with the chief guest Mr. Vinod A R,
Scientist, D Central Manufacturing Technology Bangalore.



Mr. Vinod A R,

Scientist -D Central Manufacturing Technology
Institute, Bangalore.

Topic: Introduction to Additive Manufacturing,
Metal additive manufacturing, Powder bed fusion
and Direct Energy Deposition



Dr. Rajesh Ranganathan,

Professor of Coimbatore Institute of Technology.

Topic: 'Exploring Additive Manufacturing- A
Research Perspective'.



Dr. Harish T M,

Asst. Professor, Department of Mechanical
Engineering, FISAT.

Topic: Wire + Arc additive manufacturing of high
temperature superalloys for strategic sectors.



Mr. Anil Kizhuvath,

Technical Engineer,
BIM Labs Global Computer system

Topic : Hands on workshop on introduction to
fusion 360 – additive manufacturing module



Industrial Visit to Super Fab Lab Kerala
(Kochi) situated at Kinfra Hi-tech Park,
Kalamassery, Kochi.



Dr. A Sumesh,

Assistant Professor of Amritha Vishwa
Vidyapeetham Coimbatore.

Topic: Introduction to FEM of Wire arc additive
manufacturing process.



Mr. Santhosh Nagaraju,
Sr. Technical Specialist Hexagon
Manufacturing Intelligence.

Topic: design for additive manufacturing.



Dr. Kanmani Subbu S.,

Assistant Professor Indian Institute of Technology
Palakkad. The Session aimed to provide a deeper
understanding of metal additive manufacturing
technologies and their technical aspects.



Dr. Biju N,

Professor of Cochin University of Science
and Technology.

Topic: Application of Non -Destructive Evaluation
in Additive Manufacturing



Dr. S Jerome,

Associate Professor, National Institute of
Technology, Tiruchirappalli.

Topic: Application of WAAM in a variety of
industries, including aerospace, automotive, and
medical field.



Dr. Rajeesh C R,

Associate Professor of Mechanical Engineering
Department, FISAT.

Topic: Additive manufacturing for Industry 4.0.

NPTEL Toppers (Elite + Silver medal)

Course: Sensors and Actuators conducted by IISC ,Banglore



Elvis Davis, 3rd year ME,
All India top 2%



Rohith Krishna, 3rd year ME,
All India top 2%



Mohamed Faihan P B,
All India Top 5%.

The American Society of Mechanical Engineers (ASME)



The American Society of Mechanical Engineers is a professional association that, in its own words, “promotes the art, science, and practice of multidisciplinary engineering and allied sciences around. Its mission is to serve diverse global communities by advancing, disseminating and applying engineering knowledge for improving the quality of life and communicating the excitement of engineering.

Chairman : Ajay Krishna V S, Final year ME

Vice Chairperson : Rythin Varghese, Third year ME

Secretary	: Rima Varghese, Third year ME
Joint Seretary	: Helgin Hess, Second year ME
Convener	: Abhijith Murali, Third year ME
Joint Committee Chairman	: Aksa Maria Paul, Final year ME
Technical Head	: Adarsh P Nair, Final year ME
Treasurer	: Ajunraj P P, Final year ME
Editorial Head	: Aparna S, Final year ME
Documentation head	: Gayathri R Menon, Second year ME
Publicity head	: Amal Krishnan, Final year ME
SDC Club Head	: Anandu Prakash, Third year ME
Web master	: Akshay Govind P T, Final year ME
Creative head	: Sravan Jaiju, Second year ME
Graphics head	: Nidhesh T C, Second year ME
HPVC head	: Elvis Davis, Third year ME
Faculty Advisors	: Dr. Harish T M., Mr. Anoop Sankar

Students Association of Mechanical Engineering (SAME)



The Student Association of Mechanical Engineers (SAME) is an association students in the Department. It helps to improve the organising skills and leadership qualities of students by arranging various programmes. All the students of the Department are its members. Activities like Technical talks, Industrial visits, Social works, Conducts of Technical events etc. are being conducted by SAME,. The programmes are coordinated by selected Student Chairman, Vice Chairman, Secretary, Joint Secretary, Treasurer and various event heads. Two faculty advisors guide the students to arrange the programs.

Chairman	: Adarsh S Kumar, Final year Mech
Vice Chairman	: Aadhil Ayoob, Third year Mech
Secretary	: Anirudh K , Final year Mech
Joint Secretary	: Padmesh V R, Third year Mech
Treasurer	: Siddharth Menon, Third year Mech
Technical Head	: Rohan Robby Chandy, Final Year Mech
Editor	: Anjaly Anil, Third year Mech
Publicity head	: Anand Shivan, Second Year Mech
Faculty Advisor	: Mr. Jiju P P, Mr. Srijith Rajeev

Society of Automotive Engineers (SAE)



Society of Automotive Engineers (SAE), Strive to deliver the community with the latest advancements in the automotive sector. It is a non-profitable group which aims to upthrust individuals to achieve potency in the automotive field. SAE-FISAT has 118 members from the Mechanical Department.

Chairman	: Haneena K H, Final year Mech
Vice Chairman	: Amal Shammy, Final year Mech
Treasurer	: John K Joy, Final year Mech
Secretary	: Srihari C A, 3rd year Mech
Joint Secretary	: Rahul Antony, 3rd year Mech
Technical Head	: Shawn M Mathew, Final year Mech
Joint Technical Head	: Sidharth M R, 3rd year Mech
Publicity head	: Gauthami S J, Final year Mech
Convenor	: Rishikesh S prasad, 3rd year Mech
Reception chair	: Joshua Jais, 2nd year Mech
Membership Chair	: Abhijith Murali, 3rd year Mech
Program Chair	: Abhijith Udayan, 2nd year Mech
Editorial Head	: Isaac James, 3rd year Mech
Faculty Advisor	: Mr. Prince Mattom, Mr. Nithin H

The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)



The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) is a group of eminent HVAC&R professionals. ISHRAE FISAT currently consists of a 45-member team consisting of dedicated student members, engaged in activities which involve in-depth coverage of various industrial practices in the HVAC&R sector. ISHRAE FISAT is the third international student organization in the Department of Mechanical Engineering.

Student President	: Amal Shammy, Final year Mech
Secretary	: Jayakrishnan J, Final year Mech
President Elect	: Rishikesh S Prasad, Final year Mech
Treasurer	: Hari Krishnan A, Third year Mech
CWC Members	: Nikhil Martin, Final year Mech Srihari C A, Third year Mech Sabarinath Vimal Kumar, 3 rd year Mech Rahul Antony, 3 rd year Mech Sarang Manoj, Final year Mech Hemanth Shyam, Final year Mech
Faculty Advisors	: Mr. Renjith R, Mr. Sreejesh K

Class Toppers



Best Outgoing student and Best Performer

Congratulations

Best Outgoing student and Best Performer award winners are selected considering the academic performance, membership in professional bodies, active participation in competitions and programmes conducted in the college as well as outside the college in state and national level competitions. Also, their involvement in organizing programmes in Department and College level. Congratulations and Best wishes to Mr. Dominic D Varakukala and Mr. Varun S.



Best Outgoing student of 2019-'23 Batch



Best Performer of 2019-'23 Batch

Best Final year projects of 2019-'23 batch

1. Project title : Investigation of Mechanical properties of 3D printed Biodegradable Polylactic Acid reinforced with paper nanocellulose

Team members : Joy Alukkal , Meridian Jorly, Nikhil George Thomas , Noel K Sabu

Project Guide : Mr. Tom Anto

2. Project Title : Prediction of Microhardness of 316L stainless steel fabricated by direct energy deposition using ANN

Team Members : Gokul S , Hemanth Syam, Nirmal Paul, Sarang Manoj

Project Guide : Dr. Harish T M, Mr. Arun J kulangara

3. Project Title : Wire + Arc Additive manufacturing of Inconel X-750 Super alloy

Team Members : Adarsh P Nair, Ajay Krishna V S, Akash Santhosh P, Amal Krishnan

Project Guide : Dr. Harish T M

4. Project Title : Basket ball rebounding machine

Team Members : Aksa Maria Paul, Akshay Govind P T. Ashik Shibu, Domnic D varakukala

Project Guide : Mr. Nithin H

Campus Placements of 2019-'23 Batch

SI No	Name	Job Offers	Company
1	ADARSH S KUMAR	1	Shriram Finance
2	AJAY KRISHNA V S	1	TCS
3	AKASH SANTHOSH P	1	Cognizant
4	ALBIN REJI	2	Federal Bank, Orion
5	ALLWIN JOSE	1	TCS
6	AMAL KRISHNAN	1	Sutherland
7	ANIRUDH P	1	Shriram Finance
8	APARNA S	1	RDC Concrete (India) Pvt Ltd
9	ARJUN V DAS	2	Federal Bank, Cognizant
10	ASHLEY THOMAS JACOB	1	Cognizant
11	BASIL SHAJU PARAYIL	1	Sutherland
12	BINIL T T	1	Sutherland
13	DEVADARSH V THARUN	2	Sutherland, Shriram Finance
14	DOMINIC D VARAKUKALA	2	Federal Bank, Cognizant
15	GAUTHAMI S J	2	TCS, Cognizant
16	GOGULAKRISHNAN	1	Cognizant
17	GOKUL S	1	Sutherland
18	HANEENA K H	2	TCS, Cognizant
19	HEMANTH SYAM	1	TCS
20	JOEL ISSAC JOBBY	1	Cognizant
21	MERIDIAN JORLY	2	Sutherland, Cognizant
22	MOHAMMED YASEEN P ABOOBAKER	1	Sutherland
23	MUHAMMED FAIZ SHAJEEB	1	Sutherland
24	NIRMAL PAUL	2	TCS, Cognizant
25	NOEL K SABU	1	Sutherland
26	ROHIT R NAIR	1	Sutherland
27	SANJAY MATHEW	1	Cognizant
28	SHRIHARI C A	1	Sutherland
29	TONY BENNY	1	Sutherland
30	VAIBHAV RAMACHANDRAN	1	TCS
31	VARUN S	1	Cognizant



Research Seed Money Scheme of KTU

Dr. Harish T M , Assistant Professor, Mechanical Engineering received funding of Rs. 1,20,000/- under Research Seed Money scheme of KTU for the project proposal submitted on “ Wire Arc Additive Manufacturing of Nickel based Super Alloy for high temperature strategic sectors”. Congratulations.....

CERD Scheme of KTU

The project titled “Development and fabrication of Aluminium 7075 Composite Reinforced with Bottom Ash and Fire Clay ” done by Nandu Krishnan A U, Nasmal Navas, Sreekanth K A (2022 pass out) guided by Dr. Harish T M, Asst. Prof. Mech. Engg. secured financial assistance of Rs.45,000/- from Centre for Engineering research & Development, KTU.



Dr. Harish T M
Asst. Professor, ME



Nandu Krishnan A U
S8 ME B



Nasmal Navas
S8 ME B



Sreekanth K A
S8 ME B

ISHRAE – Research Project Grant

Amal Shammy, John K Joy and Mohammed Yaseen of final year Mech , under the guidance of Mr. Renjith R , Faculty advisor , ISHRAE chapter has won STUDENT RESEARCH PROJECT GRANT of Rs.50000/- for their academic project “-Industrial Food Dehydrator” under the ISHRAE student activities initiative of student project grant -Under graduate (SRPG-UG) scheme. Congratulations...



SAE ISS Student Convention 2022-'23

TIER II

The 2nd level competitions of SAE under the Cochin division were held at FISAT on the 18th of April 2023. The competitions were held at various venues spread across the well-equipped campus. Students from various colleges across Kerala participated in the event Altogether there were 20 different competitions which took place at 9 different venues. The timings of the competitions were scheduled beforehand and participants were notified. On arrival, the participants were provided with ID tags for ensuring admittance to various events. The inauguration was held in the presence of Chairman, Principal, Vice-Principal, Head of Department and members of SAE ISS COCHIN division as well as the student participants.

The various events include Structural Analysis, Bridge building, Group discussion, Python programming, CAM, GD&T, Auto quiz, Bio mimicry, Welding, Engineering drawing, Business plan, Mobile app development, Modelling & kinematic, Entrepreneurship, Technical Paper Comp, Material Id, Mobile Robotics, 3D Printing, and Sheet Metal. Students from the following institutes participated in the events'. St. Joseph's college of engineering and technology, Pala, Muthoot Institute of Technology & Science., Government Engineering College- Thrissur , Rajiv Gandhi Institute of Technology - Kottayam , Mar Athanasius College of Engineering



Inauguration of SAE ISS Student Convention 2022-'23 TIER II

INVENZA 2023 SAE TIER I Competitions

SAE, FISAT chapter conducted TIER I competitions on 27th and 31st March 2023. Workshops and Technical talks were arranged as a part of it. Certificates were issued to all the participants.



Workshop conducted during SE TIER I competitions '23

ASME Web site release....

ASME - FISAT chapter Web site was released on 3rd June 2023 by Dr. Mini P R, Vice Principal, FISAT.



ASME, Charles T Main Student Leadership Award 2023

ASME Charles T. Main Student Leadership Award recognizes current undergraduate ASME Student Members whose leadership and service qualities have contributed for a period of at least one year: to the programs and operations of a Student Section of the Society, to enhance student activities within the department; to other related activities and services related to mechanical engineering students at the institution; the engineering profession and ASME. The 2023 award was bagged by Amal Krishnan and Aksa Maria Paul of Final year Mechanical Engineering, FISAT.



Amal Krishnan



Aksa Maria Paul

Alumni - Office bearers

Chairman	: Ignatius Baby 2010 Admission, Cochin Shipyard Ltd.
Secretary	: Arun J Kulangara, 2009 Admn., FISAT
Treasurer	: Chandu Menon, 2011 Admission, Entrepreneur
Committee members	: Athul Vishnu, 2012 Admn, Australia Shankar Prasad, 2013, Federal Bank Peter Antony, 2009 Admission, Kuwait

ASME Scholarships worth a total of Rs. 11 lakhs



RYTHIN VARGHESE (\$6 ME B)
ASME Nuclear Engineering Division (NED)
\$5000



ADARSH S KUMAR (\$8 ME A)
ASME Petroleum Division Scholarship
\$3200



RIMA VARGHESE (\$6 ME B)
ASME Foundation Variable
\$2000



ABHIJITH MURALI (\$6 ME A)
ASME Petroleum Division Scholarship
\$1800



ANJALY ANIL (\$6 ME A)
ASME Variable Foundation Scholarship
\$1400

Congratulations to all...

Congratulations

Mr. Arun J Kulangara, Assistant professor, Mechanical Engineering is selected as Jury Panel Member for the 3D GRAPHY ENGINEERING & MEDICAL (3D GEM) 2023 - Poster Presentation Awards 2023 for the Engineering & Industrial Manufacturing Category. The 3rd edition of 3D GEM 2023 – Conference, Exhibition, Poster Presentation & Awards is jointly organized by IIT BOMBAY & 3D GRAPHY on 9th & 10th December 2023 at IIT BOMBAY.



Mr. Arun J Kulangara

Mr. Nithin H, Assistant Professor, Mechanical Engineering, Received best faculty award at Electric Two Wheeler Design Competition National event conducted by SAE southern section held in SRM University, Chennai.



Mr. Nithin H

Federal Bank Kochi Marathon '23

Mr. Gireeshkumar M R, Trade Instructor of Mechanical Engineering Department successfully completed Federal Bank Kochi Marathon '23, covering a distance of 42km in 4hours 11 minutes and 12 seconds and secured 4th position. Congratulations...



FISAT Racing Crew (FRC) of SAE FISAT CHAPTER

Members: Amal Shammy, John K Joy, Eldho Alias, Haneena K H, Joel Issac Joby, Rahul P B, Varun S, Sourav Nandakumar, Arfan Ahamed, Akhil Thomas.

Faculty Advisor: Mr. Nithin H

- ◆ They won 3rd prize and received a cash prize of Rs 7500/- for the Endurance race at the Electric Two-Wheeler Design Competition National event conducted by SAE southern section held in SRM University, Chennai from 17th to 18th October 2022
- ◆ Won 1st prize and received a cash prize of Rs 15,000 for HEPHAESTUS-2022(Inter college Exhibition Competition) hosted by UC, COLLEGE ALUVA (as a part of the Centennial Vista 2022) held from 7th to 12th November 2022.
- ◆ Won 2nd prize and received a cash prize of Rs 5000 for PEGASUS-2022 (Inter college Exhibition Competition) hosted by Muthoot Institute Of Technology And Science held on 18th November 2022.



Farewell to 2019-2023 batch of Mechanical Engineering.

Farewell to 2019-'23 batch of Mechanical Engineering students was conducted on 16th June '23 in the college main seminar hall. It was aimed to celebrate their accomplishments, acknowledge their hard work and bid a fond farewell as they transit into the next phase of their life. The event was filled with reminiscing, laughter, heartfelt speeches, memories and experiences throughout their time at FISAT. Principal, Vice Principal, Dean and HOD were present in the function and they congratulated and wished the students.



Sports and games



Dominic D Varakukala,
Final year ME,
KTU Basket ballplayer



Nikhil Thomas,
3rd year ME,
KTU Basket ballplayer



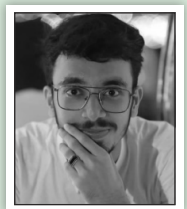
Rima Varghese,
3rd year ME,
College Basket ball player



Tony Benny,
Final year ME,
KTU Basket ballplayer



Althaf Muhammad,
3rd year ME,
KTU Basket ballplayer



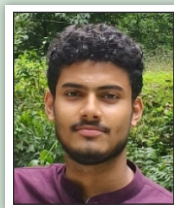
Aadhil Ayyoob,
3rd year ME,
College Basket ball player



Harikrishnan V,
3rd year ME,
College Basket ballplayer



Joyal J Joseph,
2nd year ME,
College Basket ball player



Anirudh P,
2nd year ME,
Kerala Fencing Team Member



Darwin Shibu,
3rd year ME,
Kerala Roller hockey player



Hashim,
1st year ME,
College Basket ball player

Onam Celebrations 2022





2019 Admission, ME B – Batch



2019 Admission, ME A – Batch

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