



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

(An Autonomous Institute under Kakatiya University, Warangal)

Opp : Yerragattugutta, Bheemaram (V), Hasanparthy (Mandal), WARANGAL - 506 015, Telangana State, INDIA.

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान, वरंगल - ५०६ ०१५ तेलंगाना राज्य, भारत

కాకతీయ సాంకేతిక విజ్ఞాన శాస్త్ర విద్యాలయం, వరంగల్ - 506 015. తెలంగాణ రాష్ట్రం, భారతదేశము

DEPARTMENT OF MECHANICAL ENGINEERING

MESA EVENT SCHEDULE FOR THE ACADEMIC YEAR- 2022-2023

S.no	Date	Name of the event
1.	16.08.2022 (Tuesday)	Inaugural of MESA for A.Y-2022-23
2.	19.08.2022 (Friday)	Session on "Opportunities for Mechanical Engineers on Advanced Simulation Process" by Sri. Raja Mahendra , Simulation Engineer, Mayinkrish solutions, Bangalore
3.	19.08.2022 (Friday)	World Photography Day Celebrations
4.	23.08.2022 (Tuesday)	Session on " Exploring the Avenues in Automotive Sector" by
5.	25.08.2022 (Thursday)	A Session on "Role of Mechanical Engineers in Indian industries" by Ms. S. Kousalya , Associate Engineer, Integrated Engineering Dept. Technip FMC, Hyderabad
6.	30.08.2022 (Tuesday)	Debate Competition
7.	05.09.2022 (Monday)	Teachers' Day Celebration
8.	06.09.2022 (Tuesday)	Career opportunities for Mechanical Engineering students
9.	13.09.2022 (Tuesday)	Auto-quiz & Ingenuous Solutions for B.Tech III semester students Group Discussion for B.Tech V semester Students
10.	15.09.2022 (Thursday)	Engineers' Day Celebration
11.	16.09.2022 (Friday) to 17.09.2022 (Saturday)	TECHNICAL FEST SUMSHODHINI
12.	20.09.2022 (Tuesday)	Project Exhibition Awareness Program on Resume building
13.	27.09.2022 (Tuesday)	Mock Press for B.Tech III semester Students Auto Quiz & Ingenuous Solutions for B.Tech V semester students
MSE- I Break		
14.	14.10.2022 (Friday)	World Standards Day
15.	18.10.2022 (Tuesday)	Awareness Program on Intellectual Property Rights (IPR) with Special Emphasis on Mechanical and Civil Related Inventions under National Intellectual Property Rights Awareness Mission (NIPAM), Govt. of India.
16.	01.11.2022 (Tuesday)	Auto Bidding
17.	15.11.2022 (Tuesday)	Trouble Shooting (Day-to-Day problems)
18.	16.11.2022 (Wednesday)	International day for Endurance

19.	22.11.2022 (Tuesday)	MECathon(Encouraging Innovations)
20.	29.11.2022 (Tuesday)	Poster Presentation
21.	14.12.2022 (Wednesday)	International Energy Day
SEMESTER BREAK		
	03.01.2023 (Tuesday)	Auto-quiz & Ingenuous Solutions
	09.01.2023 (Monday)	Pravasi Bharatiya Divas - NRI Day
	10.01.2023 (Tuesday)	Introduction to FEA through ANSYS
	17.01.2023 (Tuesday)	JAM (Just a minute) Session
	24.01.2023 (Tuesday)	Role play National Girl Child day of India
	25.01.2023 (Wednesday)	National Voters Day & India Tourism Day
	31.01.2023 (Tuesday)	Importance of Programming Languages Bootcamp on C , C++ & Java
	07.02.2023 (Tuesday)	Internal Hackathon
	14.02.2023 (Tuesday)	Business plan Presentation
MSE-I Break		
	21.02.2023 (Tuesday)	Portrait commenting & International Mother Language day
	27.02.2023 (Monday)	World Sustainable Energy Day
	28.02.2023 (Tuesday)	Word buzz & National Science Day
	14.03.2023 (Tuesday)	Session on "Fundamentals of computational fluid dynamics and applications"
	15.03.2023 (Wednesday)	World Consumer Rights Day
	21.03.2023 (Tuesday)	Awareness Program on Resume building
	23.03.2023 (Thursday)	World Meteorological Day
	28.03.2023 (Tuesday)	Auto Bidding & Trouble Shooting
	07.04.2023 (Friday)	World Health Day
	11.04.2023 (Tuesday)	Project Expo

Srinivasa Reddy
Faculty In-charge MESA

Reddy
Professor & Head, MED.

16th August 2022

MESA Inaugural Session

Respected Sir,

An inaugural session of Mechanical Engineering Students Association was held on August 16, 2022, for the academic year 2022-23. The inaugural event was conducted successfully with the cooperation of the back stage team. The audience turnout was exceptional. The audience consisted of faculty of mechanical engineering, students from the discipline of mechanical engineering.

Summary of the Inaugural Session

The session opened its curtains in the MESA hour allotted on the time period from 11:40 am to 12:30 pm. Firstly the General Secretary, Seervi Vidhi invited the dignitaries onto the dais followed by their introduction. The next a wonderful speech was given by a faculty coordinator, Mr. B Srinivas Reddy, one of the dignitaries of the session. The speech enlightened the students about the history of mechanical engineering in our college and the appointment of MESA. The president of the executive council, Mr. K. Siddharta was invited on the dais by Mr. B. Srinivas Reddy.

The president has briefly shed some light about the role of MESA in the mechanical engineering department and how it is managed by synchrony in the students. Then the members of the executive council were introduced.

Followed by the recent event, MESA faculty coordinator Mr. Kishor Kumar was invited by the president to say some words regarding MESA. In lieu of this, Mr. K Kishor Kumar has said some awe-inspiring words about his history, involvement in MESA along, its evolution and how the progressions were being made in the association. On the conclusion of his speech, Mr. U. Srinivasa Balaraj was invited on the dais.

Mr. U. Srinivasa Balaraj has conveyed the main goal, ideology and cruciality of MESA. He helped to understand how MESA is for the students, by the students and run by the students along with faculty support. Interesting facts were shared regarding the MESA. The goal to work, prosper and make progress to bring laurels to mechanical engineering department was effectively conveyed. The history of Mr. U. Srinivasa Balaraj and Mr. K Kishor Kumar working together for the establishment and progress of MESA was told. After the conclusion, the head of the department, Dr. K. Raja Narendar Reddy was invited onto the dais to convey his views and enlighten further on MESA and the fair participation of the students of the executive council.

Dr. K. Raja Narendar Reddy, department of mechanical engineering has perfectly conveyed the main aim, purpose of MESA. He further shed some light on how the roles assigned to various members of the executive council work, cruciality of diplomacies among team members, ethical code of conduct. The process of smooth conduction of events was explained. He also shared how valuable and leading the MESA is among the other student associations of other branches. He also portrayed how being a part of MESA contributes to the enhancement, development of interpersonal skills. He concluded his speech by congratulating all the appointees and wishing them good luck. Following the conclusion, Mr. V Rajesh was invited to present the vote of thanks and conclude the inaugural session.

Mr. V Rajesh presented the vote of thanks and thanked all the members for the successful conduction of the event, the active participation of the students and all the faculty members.

The inaugural session was concluded, followed by a photoshoot session of all the members of MESA.

Image Gallery



Audience attending the MESA inaugural session

1. On the left first two rows- MED faculty
2. On the right first row- MED faculty



Head of the department addressing the audience



Top row: Faculty of ME

Middle row, bottom row: Students representing MESA

19 August, 2022

WORLD PHOTOGRAPHY DAY

The online event witnessed its opening on August 19, 2022, at 6:30 pm. The session has begun with a welcome address by the General Secretary, Seervi Vidhi. She addressed the students about the dignitaries of the event. President K. Siddhartha briefly talked about the occasion. Following it, Mr. Venkata Rudhra Sai Teja of 5 ME-2 addressed the session on the eve of world photography day and explained the skill of great demand, photography.

Firstly, he started with an introduction to photography, and the fundamentals of photography, followed by types of photography. Additionally, he taught the students how to begin photography, and explained the basics of it. He further told the students what they are capturing in the auto mode of their smartphone's camera isn't photography. He took it upon himself to explain the correct way to take a photograph in Manual Mode and explained all the features of manual mode in the camera. It was a great pleasure to learn the basics of manual mode. He explained to us how to become a professional photographer later on in the continuation of the session. He also explained the basics of videography and cinematography. At last, he wrapped up the session by explaining rights and wrongs of photography, as well as its tips and tricks. He expressed his gratitude to all the participants of the session on the eve of world photography day.

Later, our beloved HOD of the Mechanical Engineering department, Dr. K. Raja Narendar Reddy addressed the session, appreciated the work done by Mr. KQRS, and motivated all the participants to learn such in-demand skills.

The screenshot shows a Microsoft Teams meeting interface. The main content is a presentation slide titled "Happy World Photography Day" from the Mechanical Engineering Students Association (MESA) at KKITSW. The slide includes the following text:

- KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL (An Autonomous Institute under Kakatiya University, Warangal) (Accredited by NAAC with 'A' Grade)
- MESA MECHANICAL ENGINEERING STUDENTS ASSOCIATION (MESA) 2022-23
- WISHING YOU ALL
- Happy WORLD PHOTOGRAPHY DAY
- Camera is a thing that captures you today... that will "WOW" your hearts tomorrow....
- Join us to Celebrate this day
- Time: 6:30 p.m
- Venue: Microsoft Teams Only
- AUGUST 19th
- social media icons and /messa.kitsw

The Teams interface includes a top navigation bar with "Video settings", "About video", "Comments", and "Help". A grid of participant avatars is visible on the right side. The bottom status bar shows "00:18 / 28:24" and "Exit fullscreen (Alt + Enter)".

The screenshot shows a Microsoft Teams meeting interface displaying a presentation slide. The slide features a close-up image of a camera lens on the left and the following text on the right:

How To Become Professional Photographer

- First all you need to do is to choose the type of genre .
- In photography creativity play all the roll.
- Start from basics (ISO, Aperture, Shutter Speed)
- Practice and repeat
- Pick the right gear

The Teams interface includes a top navigation bar with "Video settings", "About video", "Comments", and "Help". A grid of participant avatars is visible on the right side. The bottom status bar shows "13:14 / 28:24" and "Exit fullscreen (Alt + Enter)".

Tips and tricks

- Shoot in **RAW Mode**, this will be more helpful while editing
- If you're not familiar with Manual mode, click a picture in auto mode and observe the ISO, aperture and shutter speed. set the same setting in manual mode and try.
- Follow 1/3rd rule in both photography and videography
- Turn on grid mode which will be help full for orientation
- Lastly learn from mistakes 😊

19:22 / 28:24

**WISHING YOU ALL
HAPPY WORLD PHOTOGRAPHY DAY**

20:52 / 28:24

18th August 2022

OPPORTUNITIES FOR MECHANICAL ENGINEERING STUDENTS IN ADVANCED SIMULATION PROCESS

Respected Sir,

Following the successful conduction of the MESA inaugural session, a consequent session was organized on August 18, 2022 named “OPPORTUNITIES FOR MECHANICAL ENGINEERING IN ADVANCED SIMULATION PROCESS”. The title and area of discipline inspired, attracted and left the hall filled with elevated, curious and zealous students. The invited guest and the speaker of the session was Mr. Raja Mahendra, Simulation Engineer, Mayinkrish from Bangalore.

Synopsis of the Session

The session witnessed its awaited opening in the MESA hour allotted on the time period from 4:00 pm to 4:50 pm with the invitation of guests of honor by the General Secretary, followed by their introduction. Consequent event was a wonderful speech was given by academic coordinator, prof. U. Srinivasa Balaraju, one of the dignitaries of the session, following by which the speaker of the session, Mr. Raja Mahendra was invited onto the dais.

Mr. Raja Mahendra has briefly explained the role of Mechanical engineers in the real world with striking vehemence and lucidness.

He further highlighted the cruciality of simulation engineers in every sector and how each and every thing is linked to the design and mechanical engineering. He shared his life experiences with the students. A number of simulation techniques were demonstrated. Finally, he called off the session after educating on three simulation videos on a car crash.

Then the Head of The Department, Prof K. Raja Narendra Reddy was called onto for addressing the audience, following which he conveyed us further insights of the session in his carefully structured, thoughtful, inspiring speech.

Alas, a vote of thanks was conveyed by Vidhi Seervi (GS), thanking Mr. Raja Mahendra, the HOD, the faculty coordinators, the MESA Executive Council and all the participants of the session.

Image Gallery



General Secretary addressing the students during the initial part of the session



Mr. Raja Mahendra addressing the students



Mr. Raja Mahendra interacting with the students



The Head of The Department addressing the gathering

21 August, 2022

Report of the webinar titled:

Journey from Innovation to Entrepreneurship



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE: WARANGAL
(Accredited by NAAC with 'A' Grade)
(An Autonomous Institute under Kakatiya University)



**CENTRE FOR INNOVATION, INCUBATION, RESEARCH
AND ENTREPRENEURSHIP (I²RE) - KITSW &
DEPARTMENT OF MECHANICAL ENGINEERING
IN COLLABORATION WITH
ENTREPRENEURSHIP DEVELOPMENT CELL (KITSW)**

ON OCCASION OF 'WORLD ENTREPRENEURS' DAY "
presents a webinar on

**" JOURNEY FROM INNOVATION
TO ENTREPRENEURSHIP "**



Mr. KIRAN LAKKAPRAGADA
co-founder, KiksAR Technologies

ON 21ST AUGUST, 2022 (11:00 AM TO 12:00 PM)
THROUGH MS TEAMS (LINK WILL BE SHARED)

Sri. K. Kishor Kumar
Convener, EDC, KITSW

Dr. B. Jagadish Kumar
Coordinator, EDC, KITSW

Dr. S. Sunil Pratap Reddy
President, IIC, KITSW

Dr. K. Raja Narendra Reddy
Professor & Head, MED

Dr. P. Srikanth
Head, Centre for I²RE

Dr. K. Ashoka Reddy
Principal, KITSW

Session Description

The session was devoted to a webinar titled, 'Journey from Innovation to Entrepreneurship'. It was conducted on 21st August, 2022 from 11:00 am to 12:00 pm IST. The platform of the webinar was MS Teams. The invited speaker, Mr. Kiran Lakkapragada is an alumnus of KITSW and a successful entrepreneur. He is the co-founder of KiksAR Technologies, an AR based firm. The attendees of the session apart from Mr. Kiran were as follows:

1. Sri. K Kishor Kumar- Convener, EDC, KITSW
2. Dr. B Jagadish Kumar- Coordinator, EDC, KITSW
3. Dr. S. Sunil Pratap Reddy- President, IIC, KITSW
4. Dr. K. Raja Narendar Reddy- Professor & Head, MED, KITSW
5. Dr. P. Srikanth- Head- Centre for I²RE
6. Dr. K. Ashoka Reddy- Principal, KITSW

The webinar started by the welcoming of all the guests of the meeting by the General Secretary of MESA. Mr. Kiran was invited to speak on entrepreneurship, to guide the motivate the students on the right path. He started by sharing us his nostalgic experience in his college life on the Freshers Day held in KITSW in 1991. Mr. Kiran has done a wonderful job of inspiring the students, by putting forward his thought processes, motivation, leading him to be a successful entrepreneur and by sharing the curve of ups and downs of his life. Students were educated from the very basic stage of entrepreneurship i.e. What is entrepreneurship. All the processes of starting a successful startup, things to keep in mind while starting a company were shared by him with the students. His 30 years progression in his career was briefly explained. Students were also explained that innovation is the sum of technology and emotion put together. A very fine distinctive point was put forward by him on the topic of innovation, that is the types of innovations. Three different types of innovation namely Radical Innovation, Incremental Innovation and Disruptive Innovation were vividly explained by the prodigy. The problems faced by him in his early startup were also shared by him. An intriguing difference between an innovator and an entrepreneur was conveyed by him. He motivated the students to pursue their dreams, inculcate the ability to take calculatable risks. He concluded by putting forward his perspective on the appropriate time to start a company.

Following it, the queries session was held for the students to interact with the entrepreneur. A total of 5 attendees asked their queries, one of them being the convener and the rest were students. The queries were answered to the utmost satisfaction. The queries were well structured and worth asking.

After the end of the queries session, the HoD addressed the attendees and thanked all the members for their active participation in the event and their contribution to it. He further congratulated and appreciated Mr. Kiran for his grand success.

Following this a vote of thanks and a conclusory speech was presented by Sri. K Kishor Kumar, Convener, Faculty Coordinator of MESA, Prof, KITSW.

23 August, 2022

Importance of SAE Activities for Mechanical Engineering Students

All the B. Tech- Mechanical Engineering of III, IV and V Semester were cordially invited to attend a session on, "Importance of SAE Activities for Mechanical Engineering Students". The session was held on 23 August, 2022. The congregation started on the MESA hour allotted on Tuesday from 11:40 am to 12:30 pm, common in the timetables of III, IV and V Semester students of Mechanical Engineering. The venue of rendezvous was the Mechanical Engineering Seminar Hall (MESA hall). The seminar was organized by VII Semester students Mr. K. Vamshi Krishna, Mr. J. Sainath & Mr. T. Ravi Teja, from Team Force Racing, SAE, Mechanical Engineering, KITSW along with cooperation with the Faculty Coordinators, and the members of Executive Council.

The Hour in a Nutshell

All the students from III, IV & V Semester students reported to the rendezvous point in massive numbers. The head count turned out great. The session was anchored by Mr. Siddhartha, President, MESA. The SAE Force Racing team was called upon the stage to present the opportunities for Mechanical Engineering students in SAE and the long-term benefits of buying the SAE membership. The team further provided the costs of different periods of the membership. The team also provided the insights on the SAE member's exclusive magazine, on having access to seminars held by engineers of the leading automotive manufacturers like BMW, Mercedes Benz. The team further provided useful information on SAE, starting from its basics i.e. What is SAE? Events conducted by SAE, pros of possession of SAE membership. The team then proceeded to explain the students regarding Formula Student event. They helped the students to understand that Formula Student is an awe-inspiring event where the students get to implement their theoretical knowledge and apply it to

build a racing car like a seed of knowledge prospering to a tree of product made with hands a hands-on experience.

Additionally, the audience got to know regarding the team Force Racing established by KITSW, its unbeatable and fathomless legacy and the costs beared by the students as a part of Team Force Racing. The audience was conveyed that SAE is a robust and an undeniable platform to turn ideas into reality. The congregation was addressed regarding the international body- SAE, and how various colleges come together to participate in SAE events against each other. The students were also told that the SAE's expanse is not just limited to automobiles, rather has its vast expanse spread across various domains. The quid pro quo of SAE membership which is access to cutting edge research papers at a discounted price was explained in great lucidity by the team.

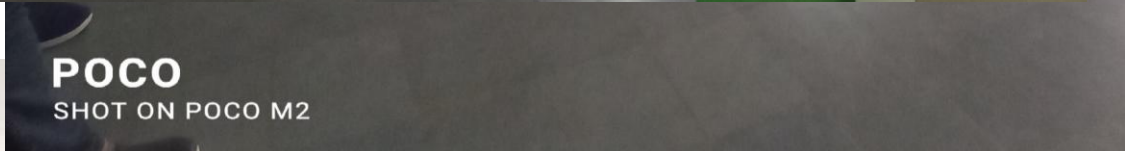
The team concluded by presenting the types of flagship vehicles of various companies and their astonishing mileages in spite of being electric vehicles. They offered to help the students in case of any difficulties faced during their tenure of studying Mechanical Engineering.

Following the conclusion of the presentation, the session was held open to queries. The students were offered a chance to put forward their queries and get them answered by the team. The students interacted well with the team.

After the queries session, the students were further provided crucial points by Mr. K. Kishor Kumar, Faculty Incharge, SAE, Team Force Racing, KITSW on SAE.

The session saw its successful end by appreciably loud blast of applause from the enlightened, inspired and vehement students.

Image Gallery







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(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)

Report on RIPE Program

24th August, 2022

The RIPE program was scheduled on 24th August, 2022 from 9:30 am to 4:00 pm including a lunch break scheduled from 12:30 pm to 1:30 pm in the middle. Following the inaugural event, the RIPE program was completed successfully by the speaker, Mr. Ramprasad LV.

About the Program

The program was a perfect and seamless complement to the academic learnings of the participants. The program was designed and structured such that the participants can understand about the process of transforming themselves from a certified engineer into a contributing professional. The silver lining of the program was that, irrespective of the career path chosen, the key learnings obtained can be applied in all dimensions of a career.

The program provides the guidance, grooming and mentoring to contemporary trainee engineers, protecting them in case of lean organizational structures. The program is fruitful for the job seekers.

Cherry on the top is, the program moulds the fresh emergent engineers to the type of personality, which any organizations would expect and favour.

Summary of the RIPE Program

The guest speaker, Mr. Ram prasad LV, the HoD of Mechanical Engineering Dept., the faculty coordinators, Sri. K. Kishor Kumar, Mr. B Srinivas Reddy, Mr. Rajesh was invited to the dais by Seervi Vidhi, the GS of MESA. Then on, Mr. Ramprasad LV was invited to begin the session.

The speaker trained the students apply fundamentals learnt in real life. He explained the importance of automation and the influence of automation on our daily lives. The thought of

how automation reduces the conventional way of employment generation. The process of carefully moulding our thoughts and shaping them in favour and lieu of new opportunities was briefly explained by Mr. Ramprasad. Proceeding further, the speaker briefed the students on the topic on Refrigeration Systems. When and how refrigeration systems were launched, evolution of new refrigeration systems, invention of refrigerants as well as their properties. The meaning of innovation was highlighted. Further the students were educated on the following topics:

1. Carnot theorem
2. VCR system, ideal VCR cycle
3. Application orientation
4. Cool Pack software
5. Psychrometry
6. Application to theory
7. Problem solving methodology
8. Competency model and benefits
9. Knowing about the industry of your choice
10. Control strategy
11. Direct cool refrigerator
12. Limitations of DCR
13. No frost refrigerator
14. Automobile AC

The session was concluded by a vote of thanks by Vidhi, presidential remarks by HoD sir.







Raising Industry Proficient Engineers (R.I.P.E) Programme

By **Mr. Ramprasad**

20th September, 2022

Introduction

The MESA conducted a session on the RIPE Programme dated 19th August, 2022. RIPE, standing for Raising Industry Proficient Engineers is a Programme aimed to train the fresh engineers who had passed out of college, to make them industry ready and accustomed to the corporate working environment and challenges faced by freshers in various companies.

The session was well delivered by the speaker, Mr. LV Ramprasad, the proud alumnus of the batch 1988, belonging to the discipline of mechanical engineering.

Mr. Ramprasad, a teacher, an inventor, a scientist, holder of 5 patents is a highly acknowledged persona having over 25 years of experience in some of the renowned companies namely:

BPL, Sanyo, GE, Voltas, Solar Aided Innovative Systems Pvt Ltd, LG.

He is a remarkable co-founder of Solar Innovative Systems Pvt. Ltd. His major fields of expertise are:

1. Impeccable command on the subject of R&AC
2. HVAC systems in automobiles
3. Optimization of refrigeration systems

His eminent achievements are:

1. Filed 2 tech patents out of 5.
2. Installed field unit operating completely off grid using solar power.
3. 16% increased energy savings in drying cycle without increase in raw material.
4. Designed a heat pump system with 40% energy savings
5. Designed a self-cleaning lint refrigeration system
6. Redesigned spin filters
7. Timely execution of HVAC project for Mahindra
8. Achieved cost efficiency in freezers
9. Designed and developed refrigerator with warm compartment, a patent filed by BPL group.
10. Redesigned the Air Duct Systems to improve the performance of refrigerators adapting to the Indian climate.

Event Summary

Following the arrival of the dignitaries on the dais, the event was opened with a brief introduction of the speaker by a MESA member. The introduction covered the background of the speaker, his industrial experiences and his job profiles as well as the companies he worked in. Subsequently Mr. Ramprasad was invited onto the dais to start his presentation on the RIPE Programme.

The speaker has talked about the scope of the engineers in the modern era. The importance of mechanical engineers and opportunities for them. He further explained what to expect from the program. The program was expected to offer various prospects on the abilities required to survive and prosper in a corporate environment.

The alumnus also highlighted the importance of communication skills and how to develop them. Following which he talked about dos and don'ts when speaking in English.

Debate among Students of Mechanical Engineering on ~~Spans~~Topic

A debate was conducted as a part of the routine in MESA hour on 6th September, 2022. This time the MESA aimed to target the learning curve of the students in a different way, that is instead of a presentation, a debate held. The main intention to host this debate was to bring out the students to communicate, exchange, analyze and provide counter arguments to the views of each other in a professional manner and critically analyze them in order to arrive at a meaningful conclusion. The student turnout was in large numbers. The students were enthusiastic and curious to know the topic.

The session began by an introduction regarding the event. Subsequently, the topic was announced which was, "Is India Ready for Electric Vehicles".

The students were divided into two groups i.e. supporting and opposing. The students were given the choice to choose one from the two teams depending on their point of view. The debate started by expressing the opinions by the supporting team. Then the opposing team was given a chance to speak in contradiction to the supporting team. A fine and a professional manner was inculcated within the students. They have argued remarkably well in bounds. Both the teams' statements and counter arguments were well spoken and based on good statistics. The teams have spoken with good technical knowledge as they have prepared the topic in the two minutes time window provided to them as soon as the topic was announced. The session was concluded after both the teams have completed their speech.



POCO
SHOT ON POCO M2



POCO
SHOT ON POCO M2



POCO
SHOT ON POCO M2



POCO
SHOT ON POCO M2

MESA REPORT-20th September 2022

For 3rd semester students (2nd year)

JUST A MINUTE (JAM) SESSION was conducted by MESA TEAM.

FACULTY CO-ORDINATOR PROF. MR. Kishore sir addressed the session and announced the judges of event and Students were selected randomly of 3rd semester and they have been invited onto the Dias and students were very much interested to participate in this session.

The students who were picked randomly were given the following topics

- 1.ADVANTAGES AND DISADVANTAGES OF SOCIAL MEDIA
- 2.CURRENT POLITICAL SCENERIO IN TELANGANA
- 3.ABOUT PASSION
- 4.PHOTOGRAPHY
- 5.DISTRACTIONS FOR STUDENTS

Many of the students of 3rd semester have given their responses in a wonderful and interesting way. And they have explained really well in just a span of one minute!

The following students of 2nd year who participated in this JAM SESSION are:

- 1.MOHAMMED SUMEER
- 2.G.SHEKAR
- 3.B.RAKESH
- 4.L.SHIVAJI
- 5.M.THANUJ
- 6.ANUSRI
- 7.ARAVIND
- 8.ABHINAY
- 9.RAHUL
- 10.SULTAN AHMED
- 11.MD.SAMEER

Date: 26.09.22

REPORT

Auto Quiz- 1 & Hands on Session on F1 Race Car Suspension System

The MESA has conducted two sessions concurrently. The details are mentioned below.

Session 1: Hands on session on F1 car suspension system- III Sem

Session 2: Auto Quiz- V & VII Sem

Session 1

Session 1 was conducted in the workshop and was handled by the SAE team. The session was exclusively held for the students of the III Sem. The force racing race car was kept for display and its suspension system was shown and briefly explained. After the explanation, the students were given a chance to clarify their queries. The key take-away of the session was the knowledge of an important aspect of an automobile responsible for the comfort of the passengers- the suspension system. The students have highly anticipated the session on a race car and they were highly content with the quality and the relevance of the session.

Session 2

Session 2 was an Auto Quiz conducted by, Mr. K. Radhakrishna, poster design team, MESA of third year in the MSH. The quiz was focused on the subjects, Engineering Drawing, Mechanics, Workshop and Automobile Engineering. The students were divided into 3 teams namely A, B and C. The criteria of the quiz was in the manner in which an MCQ will be asked to the teams without revealing the options. 1 point would be deducted shall a team choose to view the options and none deducted shall the team answer the question directly without viewing the options. Two points were given to the direct correct answer without viewing the options and one point in case of subsequent correct answering after viewing the options. The correct answer was revealed when all the teams failed to answer. The key takeaway of the session was improved knowledge in the core subjects at least by an amount of δx . Team A won the quiz by scoring the highest points.

Image Gallery



WEBINAR

Awareness Webinar on Intellectual Property Rights

3rd Nov 2022

The MESA, with appreciable finesse, organized a webinar on Intellectual Property Rights (IPR) on 3rd November 2022 from 4:00 pm to 5:25 pm in MCAD Laboratory, Block III. The event was conducted under the NIPAM (National Intellectual Property Rights Awareness) 2.0 body launched by the Government of India as a part of Azadi Ka Amrit Mahotsav. The webinar was conducted on the CISCO Webex platform.

The speaker of the session was Mr. Thilak Vadicherla, Examiner- Patents & Designs in Indian Patent Office, Chennai. He has a rich experience of over 17 years. He has conducted over 120 programs on IPR.

The session started with the invitation of the guests- Mr. Thilak Vadicherla, Mr. K. Kishor Kumar, Mr. U. Srinivasa Balraj, and all the students by M. Essamuddin Ahmed, Event Coordinator & Documentation Head, MESA. The room was filled with a vehement ambiance by the zealous students.

The anchor, Mr. Essam introduced the work experience of the speaker and his achievements. Following the introduction, Mr. Vadicherla was invited to address the session.

Mr. Vadicherla has started speaking right from the basics- what is IPR, and why it needs to be protected and registered. He further shed some light on the categories of IPR along with examples. Adding to that, he has enlightened the audience regarding brand values, brand registrations, and trademarks. He has also conducted an activity to make the audience realize how the third-party manufacturers were impersonating renowned brand names by changing their names, emphasizing the need to protect an IPR. In addition to this, he also explained what are patents, trademarks, and copyrights. The silver lining of the session was that he also explained how to file a patent and the costs associated with filing a patent. He also informed us that the current and upcoming months are the best time to file a patent. The cherry on top was that the audience was amazed to perceive the plethora of opportunities in the field of IPR. The speaker also added points explaining how the Indian Patent Office (IPO) supports the filing of patents by giving 80% fee concession for Institutes, schemes awarded for start-ups, and availability of choice to file patents in online mode. The speaker also showed a specimen of a patent certificate. He also explained the patent granting procedure along with

some crucial points to remember. He also added to his speech that a person should focus on getting a patent first rather than applying for a research paper to ensure the protection of the patent as soon as possible to avoid plagiarism. The session was concluded after basic key terminology was unfolded by the speaker.

The session was open to questions from the listeners.

The anchor invited the Academic Coordinator, Dr. U. Srinivasa Balraj, MED to present his presidential remarks at the session.

Following the conclusion of the remarks, Mr. K. Kishor Kumar was invited to present a vote of appreciative thanks.

The session witnessed its closure after a photography session.

Report on Establishment of ISHRAE Student Chapter in KITSW

The renowned college, KITSW has successfully established the ISHRAE (Indian Society of Heating, Refrigeration and Air Conditioning Engineers) Student Chapter on 1st November with the collaboration and support of HoD of Mechanical Engineering, Dr. K. Raja Narendar Reddy. The inaugural session was attended and addressed by eminent individuals of ISHRAE committee- Mr. Kalyanraman, President, ISHRAE Deccan Chapter, Mr. Asif Basha, Treasurer, ISHRAE, Deccan Chapter, Mr. Suyesh, Active member, ISHRAE, Deccan Chapter. The President told us the importance of mechanical engineers, their increasing demand in the core industries. He further explained how the ISHRAE was formed and their primary objectives. He further explained how reversed Carnot cycle as studied by mechanical engineering students is being implemented in real life to produce air conditioning and refrigeration systems. He further explained that the penetration rate of A/C's in the market is only 7%. The President further emphasised on how they are innovating and working to increase the penetration rate to 25% pa. Mr. Kalyanraman also announced that the ISHRAE upon establishment of the Student Chapter will be providing books to the college library on the domain of HVAC and RAC systems for the students. He further announced that 4 events will be organised by ISHRAE at KITSW with collaboration of faculty members of other institutions.

Mr. Basha, has explained how ISHRAE is bridging the gap between an industry and a college by training the students in the domain of HVAC and RAC systems as per the expectations of core industries, working on this domain. He had further explained why the students must stick to their subjects. He further explained the benefits of registering in ISHRAE, how the students can get experience from experienced professionals of ISHRAE.

Mr. S. Anil Kumar was appointed as the Faculty Coordinator of the ISHRAE Student Chapter. Mr. A. Bhanu Teja, Mr. Md. Hamza Khan & Mr. S. Bhavesh were appointed as the President, Secretary & Treasurer respectively of the ISHRAE Student Chapter along with the Executive Members, Mr. Rupesh Kumar Neerla, Mr. P. Abhinay Naik, Mr. B Varun & Mr. Md. Sumeer.

Following the official appointment of the student chapter committee, an oath ceremony was held to make the students steadfast in their duties.

Date: 21.11.2022

REPORT

Overseas Higher Educational Opportunities for Mechanical Engineering Students

The MESA has conducted a session on overseas higher educational opportunities for mechanical engineering students on 21st Nov 2022.

Officials from the IMFS were invited to address the session and brief the students regarding the plethora of opportunities availing abroad for the mechanical engineering students. They have provided their valuable insights on opting for countries- US, Germany, and Australia. They have further explained the process of getting admission in the prestigious universities abroad and their admission criteria. They also emphasized on the importance of examinations of IELTS, TOEFL, and GRE as a basis to determine eligibility. They have suggested the students to opt for Germany and Australia in case they are interested to pursue their Masters in Mechanical Engineering domain and US and Canada incase of pursuing Masters in Computer Science field.

After the speakers concluded their presentation, the students were given the opportunity to get their queries resolved. They have asked the process to apply for a VISA and its approval time period. They have further enquired about the types of intakes and have decided which one is the best for them.

The students showed great interest and curiosity to this session as the knowledge provided by the session can open new doors for them.

Image Gallery





Date: 28.11.22

REPORT

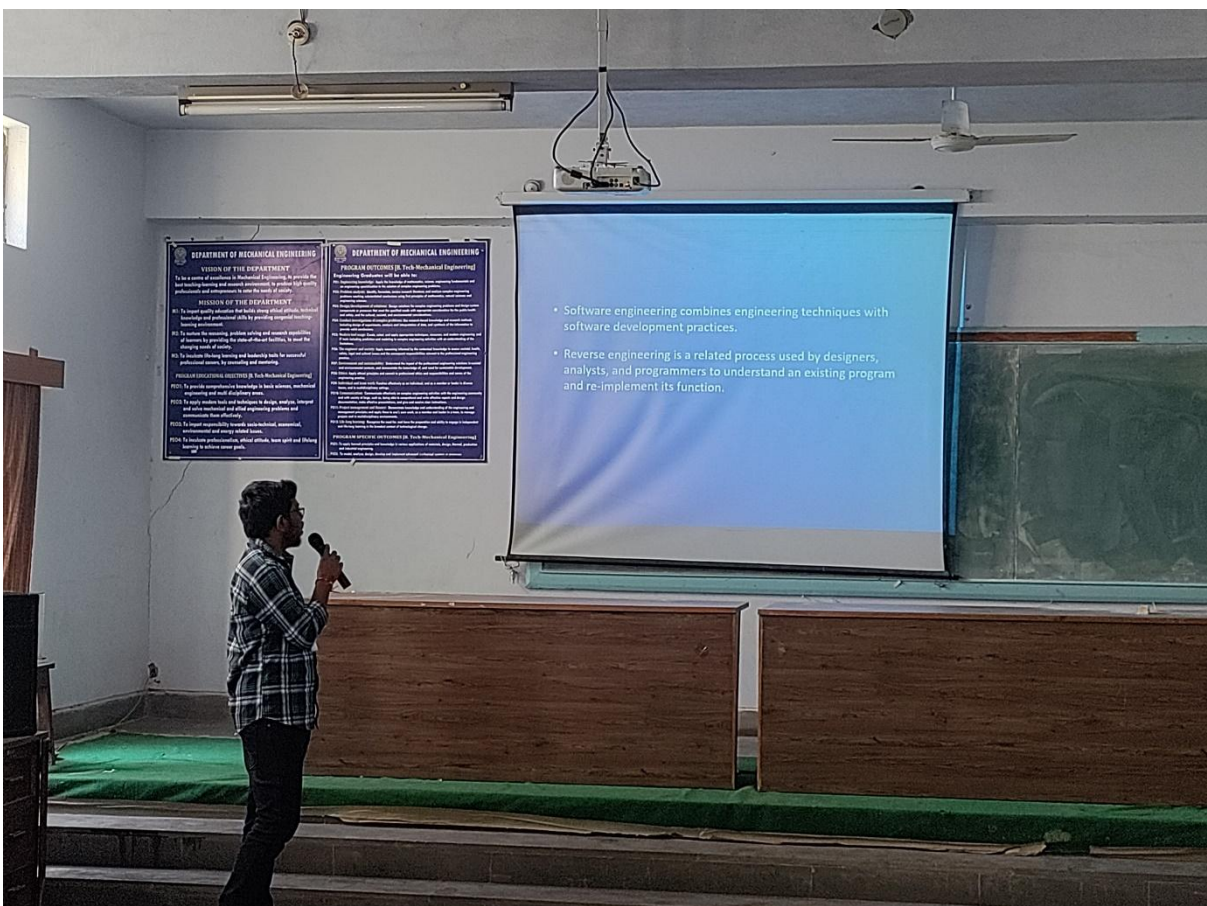
The Significance of Computer Programming languages in the field of Mechanical Engineering- Bootcamp on C, C++, and Java

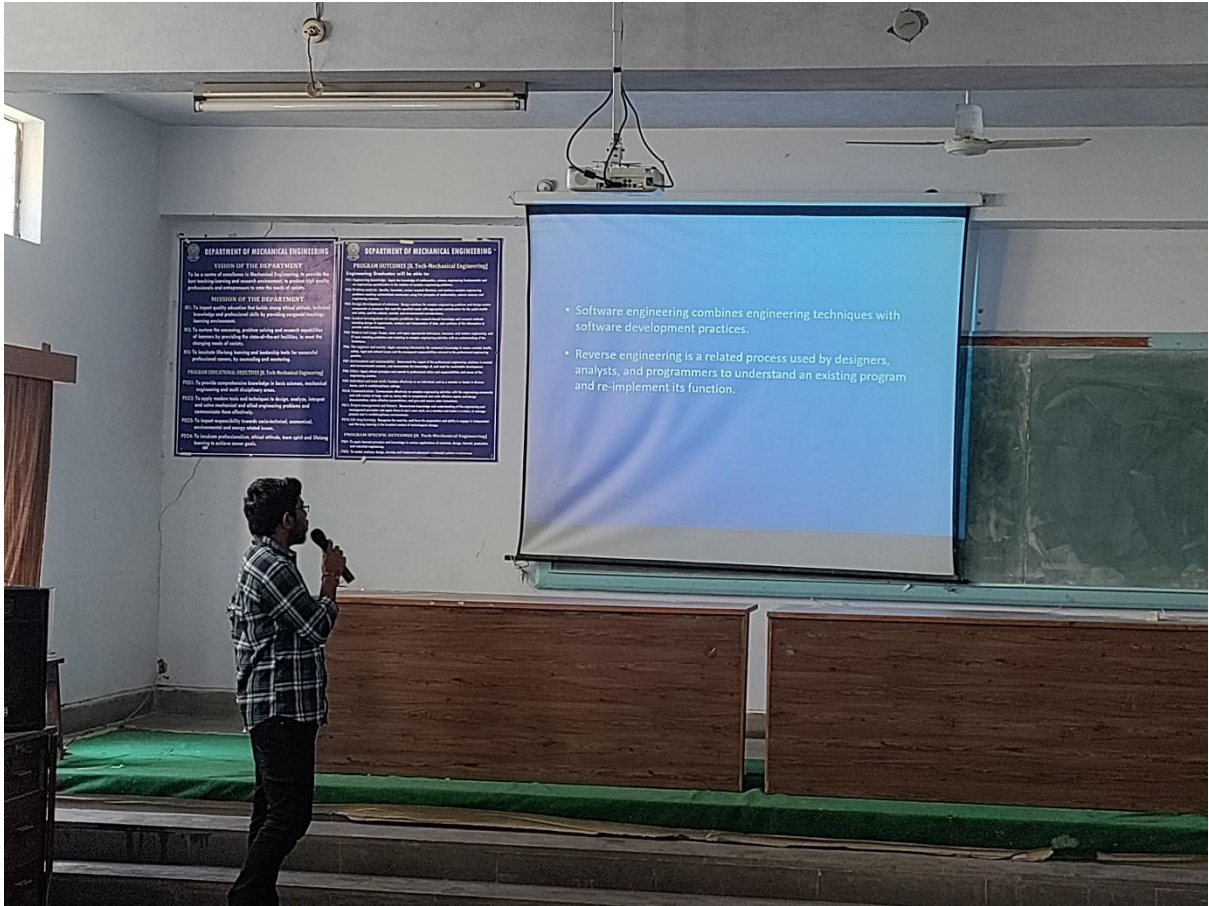
The MESA with great coordination and dedication has organized a session on “The Significance of Computer Programming languages in the field of Mechanical Engineering- Bootcamp on C, C++ and Java”. This session was aimed to make the students realize the importance of programming languages and to guide them on how to start and master a programming language. The presentation covered the programming languages of C, C++, and Java.

The presentation was done by Mr. K. Siddhartha, President, MESA, and Mr. A. Bhanu Teja, General Secretary, MESA belonging to the VIII Semester. They began the presentation from the basics of what is a programming language to how to master them. They had defined what is a programming language, stated their importance and expressed how the modern world is revolving on the tips of softwares powered by programming languages like C, C++ and Java. Succinctly, they’ve quoted the applications of programming languages in the discipline of mechanical engineering while also highlighting the important programming languages to be added to the top priority list. They have lucidly explained their fundamentals and stated from which language to start the process of coding. They have also emphasized the best online platforms to practice coding skills and offline applications. Further highlighting the fundamentals needed to become industry- ready for a software job, they have stated the industries emphasizing the use of a particular programming language.

They also have shared the placement experience of softwares companies- aptitude test, interview, and coding rounds.

Image Gallery





REPORT

Awarding of Merit Certificates and Prizes to Sumshodhini Winners

A technical fest was conducted in KITSW under ISTE students' chapter on Nov 18 and 19.

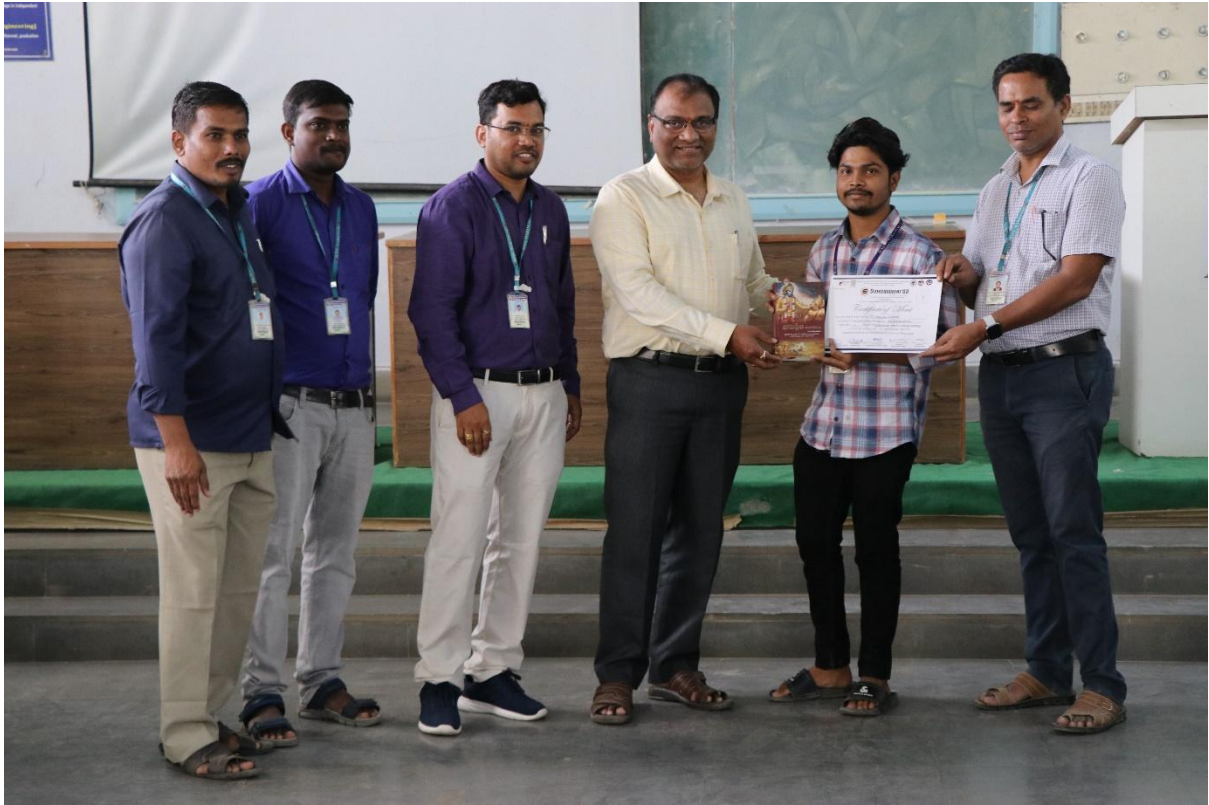
There were eight technical events conducted and each was unique.

Following the events, the winners were declared on the spot, and the merit certificates and certificates of participation were awarded on _____.

The winners were awarded merit certificates along with prizes distributed by the honourable Head of the department, Shri Dr. K. Raja Narendar Reddy along with Shri Dr. U. Srinivasa Balraj and the MESA faculty coordinators, Shri B. Srinivas, Shri K. Kishor Kumar, and Shri V. Rajesh.

The sacred books of Bhagvad Gita along with self-help books were awarded to the winners. The session was also utilised to award the certificate for the presenters of CPs and CRPs. The Head of the Department has appreciated the winners of Sumshodhini, encourages students to work hard to achieve their goals and emphasized on the importance of giving presentations on a stage. He further motivated the students to come up and present the CPs and CRPs in their classrooms to overcome their stage fear.

Image Gallery







Date: 17.01.2023

REPORT

Auto Quiz & Ingenious Solutions

The MESA has successfully conducted an auto quiz by Mr. K. Radhakrishna, poster design team, MESA of third year in the MSH. The quiz was focused on the subjects, Engineering Drawing, Mechanics, Workshop and Automobile Engineering. The criteria of the quiz were in such a way that an MCQ will be asked to the teams without revealing the options. 1 point would be deducted shall a team choose to view the options and none deducted shall the team answer the question directly without viewing the options. Two points were given to the direct correct answer without viewing the options and one point in case of subsequent correct answering after viewing the options. The correct answer was revealed when all the teams failed to answer. The key takeaway of the session was improved knowledge in the core subjects.

Image Gallery





31 JANUARY 2023

REPORT ON INDUSTRIAL TOUR TO KTPP

On 31st January at MESA session we students from 4th semester have given a report regarding the industrial tour we visited on 28th January to KAKATEYA THERMAL POWER PLANT at Bhupalpally. This report was presented by Y. Sri Sumanth, A. Srinidhi Nayak, S. Vinitha and P. Abhinay Nayak.

Initially Srinidhi gave the introduction on the thermal power plant and also said about her experience at KTPP, later Vinitha occupied the stage and said about the type of boilers used at thermal power plant and working principle of boiler and also said about her experience at KTPP, next Abhinaya came and said about process after the boiling process and also explained about the working principle of steam turbine and also mentioned about the generator which converts mechanical energy in electrical energy. Finally Sri Sumanth explained about the heat exchanger process where hot vapor gases converts into water with the help of cooling towers. In cooling towers water gets expanded and the vapor gets convert into water. After this Sumanth thanked the faculties P. Anitha madam, S. Anil Kumar sir, E. Ramesh sir, K. Kishor Kumar sir and the Honorable HOD sir for giving us this wonderful opportunity to have practical experience of THERMAL POWER PLANT.

PHOTO GALLERY





Report

Awareness Program on Advanced 3D Printer, CNC Laser Cutting Machine & CNC Wood Router

Date: 21.01.2023

Sem- VI

Venue: I²RE Block

KITSW has finished the completion of a new block- Block 7 which comes under I²RE in January. This block was built to house state-of-the-art equipment powered by cutting-edge technology. The block is to provide facilities to the students to learn the new trending technologies adopted by smart factories. The block consists of machines that upon proper utilization make the students technologically superior and help them in completing their projects with additional ease. This thereby enhances their knowledge of the trending technologies in mechanical engineering which makes them career-ready.

In context to this, the MESA has conducted an awareness program on “Advanced 3D Printer, CNC Laser Cutting Machine & CNC Wood Router” on 21st Jan 2023. These marvelous machines are situated in Block 7 (I²RE Block). The students were escorted to the block following which

Report

Opportunities for Mechanical Engineering Students in Germany

Date: 7th Feb 2023

Venue: MESH

Speaker: Mr. Guru

Bhargav

The Mechanical Engineering Students Association conducted a session on opportunities for mechanical engineering students in Germany on 7th February 2023. The invited speaker was Mr. Guru Bhargav, an alumnus of the batch 2009-2013. Mr. Guru Bhargav is currently working in Germany in the automotive sector, specializing in the field of suspension systems for the automobile.

Mr. Bhargav started by introducing himself. He told the audience how the discipline of mechanical engineering was beneficial for him and us and stated the options to carve a career path. He also explained that students can either opt for placements or go abroad for further studies. He spoke about the GATE exam, opportunities in Germany in the automobile field, work-life balance in Germany, facilities benefitting the migrants, and various universities offering a plethora of courses. Mr. Bhargav has also stated the importance of a German Masters Degree in India. The audience was told about the job opportunities existing in Germany and the waiting period to get a job after completing a Masters's degree. The speaker expressed that the job can be obtained after a long waiting period of 3-4 years. He further elaborated on the career growth trajectory in Germany, stating its importance despite the long waiting time to get a job.

The session was open to queries and students interacted well with the alumnus. They asked queries, and those who had stage fear personally approached him, while others openly asked their doubts aloud and got them clarified. It was a very beneficial session with one who once had been in our shoes and now is well settled in his dream country. The students were motivated and inspired by Mr. Bhargav after he explained his course of action which led him to his dream niche.

Report

JAM SESSION

21st Feb 2023

The MESA organized a Just a Minute (JAM) session on 21st February 2023 in the Mechanical Engineering seminar hall. The session was aimed to aid the students in their placement interviews, enhance their spontaneous speaking skills, prepare them to face the audience, and engage them effectively.

The JAM session was carefully structured to organize for the students to provide them with the skills that lend a hand in their placements. Below are some of the many reasons why JAM is the icing on the cake for placements:

1. **Enhances communication skills:** JAM is an opportunity that provides a chance to speak on a given topic for one minute without hesitation, repetition, or deviation. By participating in this session, a student can develop their communication skills including public speaking, articulation, and clarity of thought.
2. **Improves Confidence:** Speaking in front of an audience can be nerve-wracking for many individuals, especially if it's impromptu. However, regular practice in JAM sessions can help students build confidence in their abilities to communicate effectively, which can be beneficial during job interviews.
3. **Develops Quick Thinking:** JAM requires participants to speak on a topic without preparation, which means they have to think on their feet. Participating in JAM sessions can help students develop quick-thinking skills, which are highly valued in the workplace.
4. **Shows Initiative:** Participating in JAM sessions can demonstrate a student's initiative and willingness to improve their communication skills, which can be viewed positively by potential employers.

Overall, participating in JAM sessions can help students improve their communication skills, build confidence, develop quick thinking, and show initiative which can all be beneficial for placements.

Image Gallery



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Image Gallery



Report

INSIGHTS ON RESEARCH PAPER WRITING

14th March 2023

The MESA structured and organized an event for the VIII Sem students. It was to provide insights on writing a research paper. The speaker of the session was Dr. Om Prakash, Prof, MED.

Dr. Om Prakash has done a wonderful job of leading the students on the right path of writing an effective research paper by highlighting its key elements, formatting procedure, grammatical approach, and scientific approach and further focusing on what all factors contribute to the effectiveness of a research paper. He has also mentioned all the headings and subheadings that make up a research paper and also elaborated on each of them. He further discussed why one should write a research paper and mentioned its pros summarized below:

1. Knowledge acquisition: Writing a research paper requires thorough research on a topic, which helps in acquiring in-depth knowledge about the subject.
2. Development of critical thinking skills: Writing a research paper involves analyzing and synthesizing information, developing logical arguments, and evaluating evidence. These skills help in developing critical thinking abilities.
3. Improved writing skills: Writing a research paper requires clear, concise, and organized writing. This helps in developing better writing skills.
4. Career advancement: Publishing research papers can enhance one's reputation and credibility, and can lead to career advancement opportunities in academia, research, and industry.
5. Contribution to knowledge: Research papers can contribute to the advancement of knowledge in a particular field by presenting new ideas, theories, and discoveries.
6. Personal growth: Writing a research paper can be a challenging and rewarding experience that promotes personal growth and intellectual development.

Moving on with the approach to how to start writing a research paper, he highlighted the important steps and pointed out the course of action summarised below:

Choose a topic: Select a topic that interests you and is relevant to the subject area.

Conduct research: Gather information through various sources, including books, academic journals, online databases, and interviews.

Develop a thesis statement: Craft a thesis statement that presents your research question and main argument.

Create an outline: Organize your research into an outline that includes an introduction, body paragraphs, and a conclusion.

Write the first draft: Use your outline to write the first draft, making sure to cite your sources and follow any formatting guidelines.

Revise and edit: Review your draft for grammar, spelling, and syntax errors, and revise it for clarity, coherence, and flow.

Review and proofread: Have someone else review your paper for feedback, and proofread it for any remaining errors.

Format and submit: Format your paper according to the required style guide and submit it for evaluation.

Adding to these, he also reminded the students to remember to stay organized, manage their time effectively, and be consistent with their research and writing.

After this session, the students attained clarity on how to write a research paper which was before, rocket science for them.

Image Gallery



MECHANICAL ENGINEERING STUDENTS' ASSOCIATION (MESA)

Date: 28-03-2023

REPORT

Awareness Session on Abroad Studies/Scholarships

The Mechanical Engineering Students' Association has organized an awareness session on abroad studies and scholarships conducted by Global Tree consultancy on 28th March, 2023 attended by students of VI & VIII . The speaker was Mr. Jeevan Sriram.

He has briefed the students regarding the opportunities which could be availed by higher education in abroad. He has stated the details of the packages offered by the companies in campus placement drives in India and compared them against the packaged offered in abroad for the students pursuing higher education. He has highlighted the importance of choosing a career in foreign countries and mentioned the paths available to choose a career abroad. Further, he provided a detailed description on the procedure to apply for foreign universities and how to be prepared for them. He also briefed the students about the universities and their fee structure. He informed regarding the entrance examinations like IELTS, GRE, TOEFL & Duolingo which is an admission criteria to enter the renowned universities. Adding to this, he has provided further insights on the available scholarships provided by the Government for students belonging to SC/ST/BC and minority communities. He further added the steps to be taken to avail the scholarship provided by the Government.

After the speakers concluded their presentation, the students were given the opportunity to get their queries resolved. They have asked the process to apply for a VISA and its approval time period. They have further enquired about the types of intakes and have decided which one is the best for them.

Image Gallery



23rd March 2022

ISHRAE Industry Connect Lecture Series Session

Respected Sir,

The session of Indian Society of Heating, Refrigeration and Air-conditioning Engineers (ISHRAE) was held on March 21, 2023, for the academic year 2022-23. The very first event was conducted successfully with the cooperation of the back stage team. The audience turnout was exceptional. The audience consisted of faculty of mechanical engineering, students from the discipline of mechanical engineering.

Summary of the Session

The session opened its curtains in the MESA hour allotted on the time period from 11:40 am to 12:30 pm. The attendees of ICLS session from ISHRAE – Deccan Chapter are:

B. Kalyanaraman - President, ISHARE Deccan Chapter (IDC).

PRK Sunder - Secretary ISHARE Deccan Chapter (IDC).

A. Praveen - CWC member, ISHARE Deccan Chapter (IDC).

Mohammed Jaleel -CWC member, ISHARE Deccan Chapter (IDC).

Mohammed Asif Basha - Student chair, ISHARE Deccan Chapter (IDC).

K. Madhu Krishna –CEO & Founder of Lamine Tech and Solutions.

Firstly Mr. Praveen - CWC member, ISHRAE DECCAN CHAPTER started the session by giving brief inputs on “Importance of insulation in Heating Ventilation Air-Conditioning and Refrigeration (HVAC&R).

The next a wonderful speech was given by Mr. Md. jaleel - CWC member, ISHRAE DECCAN CHAPTER, one of the dignitaries of the session. The speech enlightened the students about Case study - Heating Ventilation Air-Conditioning and Refrigeration (HVAC&R).

And At last the fabulous speech was given by Mr. PRK Sunder - Secretary, ISHRAE Deccan Chapter. The speech apprised the students about the Professional growth in Heating Ventilation Air-Conditioning and Refrigeration (HVAC&R).

Followed by the recent event, ISHRAE- Student Chair, Deccan Chapter Mr. Md. Asif Basha was invited to say some words regarding ISHRAE. In lieu of this, Mr. Md. Asif Basha has said some awe-inspiring words about HVAC&R.

Following the conclusion, A. Bhanu Teja presented the vote of thanks and thanked all the members for the successful conduction of the event, the active participation of the students and all the faculty members.

The session was concluded, followed by a photoshoot session of all the members of ISHRAE

Image Gallery



A. Praveen - CWC member, ISHARE Deccan Chapter (IDC) Audience attending the ICLS session



PRK Sunder - Secretary ISHARE Deccan Chapter (IDC) addressing the audience



ISHRAE –Student Chair, Deccan Chapter Mr. Md. Asif Basha addressing the audience



Mohammed Jaleel -CWC member, ISHARE Deccan Chapter (IDC) addressing the audience



Top row: Students representing ISHRAE

Bottom row: Faculty of ME and ISHRAE Committee

Report

DESIGN THINKING 1: AN APPROACH FOR PRACTICAL AND CREATIVE PROBLEM-SOLVING

4th April 2023

The MESA organized an event on design thinking. The event was directed to create an awareness of the new problem-solving approach which was being adopted on a large scale by many Fortune 500 companies like IBM, Apple, Google, Procter & Gamble, and, GE Healthcare to drive innovation, improve customer experiences, and solve complex business problems.

The speaker was Md. Essamuddin Ahmed, Event Coordinator, MESA, VIII sem.

He has introduced the term design thinking and stated its applications, also explaining why it's becoming a trend. He has marvelously introduced the first three steps of design thinking- empathize, define, and ideate.

He briefed them as below:

Empathize: Understand the problem and user needs through observation and engagement.

Define: Clearly articulate the problem and user needs based on insights gained.

Ideate: Generate creative solutions to the problem using brainstorming and other techniques.

He also described the applications of design thinking with an example.

The faculty coordinator Mr. K. Kishor Kumar has summarised the procedure of design thinking and motivated the students to come up with innovative ideas to solve practical problems with the aid of design thinking by quoting a common household problem and giving the possible solutions to the students to make them understand the approach to derive a solution to problems.

The students were then divided into self-assigned teams in which each team was encouraged to come up with a prevailing problem and provide a solution using the approach of design thinking.

Image



Gallery



Report

DESIGN THINKING 2: AN APPROACH FOR PRACTICAL AND CREATIVE PROBLEM-SOLVING

11th April 2023

The MESA organized another event on design thinking. The event was directed to create an awareness of the new problem-solving approach which was being adopted on a large scale by many Fortune 500 companies like IBM, Apple, Google, Procter & Gamble, and, GE Healthcare to drive innovation, improve customer experiences, and solve complex business problems.

The speaker was Md. Essamuddin Ahmed, Event Coordinator, MESA, VIII Sem. He started by revising the first three steps of design thinking which were taught in the preceding session. This session was a continuation of the previous session which was to teach the students the first three steps of design thinking.

The present session continued to present the next three phases of design thinking to the students- Prototype, test, and implement.

These steps were summarized by him below:

Prototype: Build a low-fidelity representation of the solution, such as a mockup or prototype.

Test: Test the prototype with users and gather feedback to refine the solution.

Implement: Launch the final solution, using the insights and feedback gained during the previous stages to improve it.

The speaker further explained the benefits, challenges, and future scope of design thinking.

The outcome of the session was the students got to know the design thinking process and can apply it to solve modern engineering problems.

Image Gallery

