



ACE

Engineering College

An Autonomous Institution

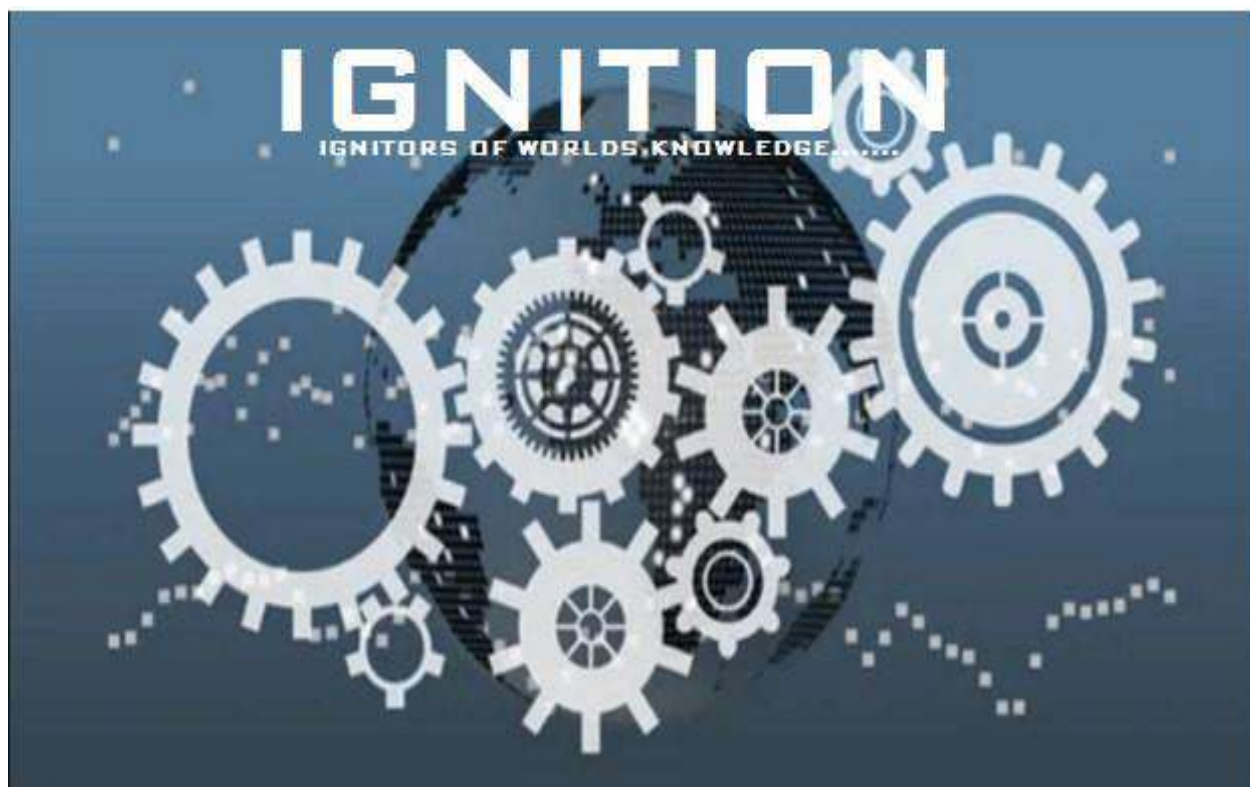
Approved by AICTE & Affiliated to JNTUHAccredited by NBA & NAAC
Ghatkesar(M), Medchal Dist., Hyderabad – 501 301, T. S.

DEPARTMENT OF MECHANIAL ENGINEERING

Issue 07

NEWSLETTER

JAN - JUNE 2019



Chief Patrons

Prof. Y. V. Gopala Krishna Murthy
General Secretary

Patrons

Dr. B. L. Raju
Principal

Mrs. M. Padmavathi
Joint Secretary

Dr. G. Bala Raju
HOD MECH

Editorial Board

Mr. C. VENKATESH
Associate Professor

Mr. M. SANDEEP
Associate Professor

Mr. CH.RAJU
Assistant Professor

Vision of the Institute

To be a leading technical institute to prepare high quality engineers to cater the needs of the stakeholders in the field of engineering and technology with global competence, fundamental comprehensive analytical skills, critical reasoning, research aptitude, entrepreneur skills, ethical values and social concern.

Mission of the Institute

Imparting quality technical education to young engineers by providing the state-of-the-art laboratories, quality instructions by qualified and experienced faculty and research facilities to meet the requirements of stakeholders in real time usage and in training them to excel in competitive examinations for higher education and employment to inter face globally emerging techno-informative challenges in the growth corridor of techno-excellence.

Principal's Message

ACE Engineering College has come into existence to build a landmark institution in higher education in India with the aim of providing quality higher education on par with international standards. It persistency seeks and adopts innovative methods to improve the quality of higher education by creating something new and more relevant to the global landscape.

General Secretary's Message

The first semester went on so fast and the start of second semester was remarkable, the college reached a milestone. A decade of journey - when we introspect (had we really crossed any milestone?) I can tell you that we got NBA Accreditation for new courses, our college is accredited by NAAC with A grade, many of our faculty is doctorates making us strengthen and forge as pioneers and our support staff is meticulous in discharging their duties. We are strengthening day by day in expanding our horizons and are keeping our nose to the grindstone to be the pioneers in technical education, for which the onus lies on each one of us who are associated under the tutelage of ACE Engineering College. Just as a nation cannot achieve success by designing a prospective plan of action until people join hands and contribute their might; similarly, we cannot achieve greater things without all of you. Each one of you is a key contributor who played a pivotal role in our journey. Acknowledging the role played by you all I wish that we continue to scale greater heights and be a competitor to ourselves, crossing many more milestones.

The campus was abuzz with activity with "Intra College' & 'Inter College' competitions. It was intriguing to see the students participating in large numbers and showcasing their talents in various competitions. I hope the students exhibit the same spirit in taking up their academics to excel and bring laurels to the organization. Congratulating the publishing team for coming up with this issue.

Joint Secretary's Message

The starting of the second semester was remarkable in the history of the college as the college was decked up for the decennial celebrations. The campus wore a festive look where in students from various colleges took part in the inter-college competitions. The euphoria of the fest was a great impetus to start the semester. The students came forward to participate in large numbers which is a very appreciable gesture. The holistic development of the student being the sole aim of our college we provided an opportunity to all to excel in their chosen field. We are glad to organize such a mega event and hope that the students are largely benefited in polishing their life skills through such events. We assure that we shall do many such events periodically and expect you to showcase your talents and bring accolades to the organization. We are expanding our horizons to be the leaders in technical education by providing state of the art facilities. Our journey is linked with the progress of every one of you who are associated with us. Any individual achievement of yours would be achievement to all of us as all of us are united under the family of ACE Engineering College. We shall strive to keep up our promises and expect you all to join hands with us for a fruitful and nourishing growth. As A.P.J. Abdul Kalam has rightly said 'Small aim is a crime'. We are aiming big and wish you all to do so for a prosperous growth.

HOD's Message

The Department of Mechanical Engineering has consistently maintained an exemplary academic record. The greatest assets of the department are its highly motivated and learned faculty. The available diversity of expertise of the faculty with the support of the other staff prepares the students to work in global multicultural environment. We hope that we will continue to deliver our best to serve the society and marking. It is also expected that our students will continue to pass-on the skills which they have acquired during their stay at the department to the rest of the world for a better society.

Vision of the Department

To be a center of Excellence in Mechanical Engineering, to produce high quality Professionals and Entrepreneurs with Ethical values and Social concern to cater the needs of Society.

Mission of the Department

- M1:** To create an excellent teaching- learning environment by providing a good quality technical education that imparts professional skills
- M2:** To prepare graduates by providing a comprehensive knowledge and experience in a state-of-art mechanical engineering education to become challenging, creative and innovative professionals in global environment.
- M3:** To inculcate professional ethics, social concern and moral values through an excellent counseling and mentoring system

TEACHING STAFF

S. NO.	NAME	DESIGNATION
1	Dr.G.BALA RAJU	Professor & HOD
2	Dr.P.VENKATESWARA REDDY	Professor
3	Mr.A.ABINAY	Assistant Professor
4	Mr.A.SHASHANKREDDY	Assistant Professor
5	Mr.ACHYUT BHURE	Assistant Professor
6	Mr.ALAPATIBHARGAV	Assistant Professor
7	Mr.AVINASH	Assistant Professor
8	Mr.B.CHAITANYA	Assistant Professor
9	Mr.C.VENKATESH	Assistant Professor
10	Mr.CH.RAJU	Assistant Professor
11	Mr.G.N.DEEPAK	Assistant Professor
12	Mr.G.PRADEEPKUMAR	Assistant Professor
13	Mr.K.NAGENDRA	Assistant Professor
14	Mr.M.MAHENDER	Associate Professor
15	Mr.M.SANDEEP	Associate Professor
16	Mr.MD.HABEEB URAHMAN	Assistant Professor
17	Mr.SURESH GOSULA	Assistant Professor
18	Mrs. PUSULURISHILPA	Assistant Professor
19	Ms.BELE SUCHARITHA	Assistant Professor
20	Ms.R.MOUNIKA	Assistant Professor
21	Ms.S.RAJITA	Assistant Professor
22	Ms.V.SHALINI	Assistant Professor
23	B.VEERA KUMAR	Associate Professor

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5. PLACEMENTS

6. CELEBRATION OF WOMEN'S DAY & YOGA DAY

JOURNALS

- **Mr. M. Sandeep, Associate Professor** published a Journal on “**Fabrication and Analysis of Aluminium based Nano Composites Reinforced with Carbon NanoTubes**” in **International Journal of Research in Advent Technology**, Special Issue, and March 2019/E-ISSN: 2321-9637.
- **Mr. M. Sandeep, Associate Professor** published a Journal on “**Experimental Investigation of Welding Processes on Process Parameters**” in **International Journal of Research in Advent Technology**, Special Issue, March 2019/E-ISSN: 2321-9637.
- **Mr. A. Abinay, Assistant Professor** published a journal on “**Fabrication and Analysis of Aluminium based Nano Composites Reinforced with Carbon NanoTubes**” in **International Journal of Research in Advent Technology**, Special Issue, March 2019/E-ISSN: 2321-9637.
- **Mr. A. Abinay, Assistant Professor** published a journal on “**Experimental Investigation of Welding Processes on Process Parameters**” in **International Journal of Research in Advent Technology**, Special Issue, March 2019/E-ISSN: 2321-9637.

FDP'S/ WOKSHOPS


- **Ms. Mounika Ragamshetty**, Assistant Professor, attended 3 – Day FDP on scope, challenges & opportunities for Research in Emerging areas of Mechanical Engineering (SCORE'ME-2019) KITS Huzurabad 23rd to 25th January - 2019 KITS, Warangal
- **Ms. Mounika Ragamshetty**, Assistant Professor attended One Day Work Shop on Bloom's Taxonomy conducted by JNTUH Hyderabad with UGC-HRD on 29th March 2019.


- **Ms. Mounika Ragamshetty**, Assistant Professor attended One-week Workshop on Research Methodology – RM '19 organized by KITS Warangal in association with Kakatiya University on 7th to 11th January – 2019.
- **Ms. Mounika Ragamshetty**, Assistant Professor Attended one week GIAN course on **LIGHTWEIGHT TECHNOLOGIES FOR AUTOMOTIVE APPLICATIONS** (course code:171036L19) with GIAN Registration number 2015150869741 and secured **Grade B** for the exam conducted by **GIAN** at NIT Warangal during 24th June 2019 to 29th June 2019.

FACULTY ACHIEVEMENTS:

1. **Mr. A. Abinay**, Assistant Professor has successfully completed the course of NPTEL Online Certification on “IC ENGINES and GAS TURBINES” with **ELITE+SILVER Certificate**.
2. **Mr. MANIKYAM SANDEEP**, Associate Professor has successfully completed the course of NPTEL Online Certification on “FUNDAMENTALS OF MANUFACTURING PROCESSES” with **ELITE Certificate**.
3. **Mr. MANIKYAM SANDEEP**, Associate Professor published a book on “ENHANCEMENT AND GRAY RELATIONAL ANALYSIS” IN Lambert Academic Publishing.

Wire electrical discharge machining is one of the most important non-traditional machining processes used for machining all conductive materials irrespective of their strength and hardness, impact resistance and intricate shapes. In WEDM there is no direct contact between the tool i.e., the wire and the workpieces, so mechanical stresses are eliminated. The process parameters namely pulse on-time and average gap voltage have great impact on the cutting speed. As wire electrical discharge machining is spearheaded as a vigorous, effective and exact and complex non-traditional machining system, explores is required here for proficient machining. This paper diagrams the Gray, social hypothesis as well as Taguchi improvement method, in state to update the removing factors in Wire EDM for EN31. Evulsion rate, surface ruthlessness as reaction factors individual been advised for each Experiment. Experimentation was composed by Taguchi's L27 Symmetrical show since device of EN31 work material Metal wire terminal with 0.25mm Width was used as contraption in Research.






Manikyam Sandeep studied at vasavi college of engineering, OSMANIA UNIVERSITY for BE in MECHANICAL ENGINEERING. He secured ME DEGREE IN PRODUCTION ENGINEERING from university college of engineering, OSMANIA UNIVERSITY in 2012, presently working as a professor in ACE ENGINEERING COLLEGE, HYDERABAD, HE has published 10 scopus indexed journals.


MANIKYAM SANDEEP

**ENHANCEMENT AND GRAY
RELATIONAL ANALYSIS**

OF EN 31 STEEL USING PARAMETERS OF WIRE CUT
ELECTRIC DISCHARGE MACHINE



978-620-0-48466-6



4. Ms. R. Mounika, Assistant Professor Received **SENIOR MEMBER ISME (Indian Society of Mechanical Engineers)** life membership.
5. Ms. R. Mounika, Assistant Professor Registered as **Hon. Editorial Board Member- Technical Editor** for Journal of Automotive Mechanical & Aerospace Engineering Research.

STUDENTS ACHIEVEMENTS:

- IV Year Students of Mechanical Engineering formed a team of 15 Members named as **Team ACERAPTORS** and constructed a GOKART for participating in “PROKARTING CHAMPIONSHIP 2K19 “and our team was awarded with the “**PEOPLE’S CHOICE AWARD**”.



PLACEMENTS

2018-2019

S.No	Company Name	Roll No	Name
1	AMAZON	15AG1A0301	A ADITYA SHARMA
2		15AG1A0341	V SUMESH
3		16AG5A0303	V PRAVALLIKA
1	SURYA TECH SOLUTIONS	15AG1A0302	A.VENKAT TEJA REDDY
2		15AG1A0310	G.PHALANI KUMAR
3		15AG1A0312	G.UDAY KUMAR
4		15AG1A0333	N.SAI BHARATH
5		15AG1A0358	P.UDAY KUMAR
6		15AG1A0366	T.DEEPAK
7		15AG1A0381	P.SAIRAM
8		16AG5A0302	D.ANIL KUMAR
9		15AG1A0380	NARETI UDAY PRAKASH
1	RED CARPET	15AG1A0343	YELLEPEDDI SAI SUDHA RADHIKA
2		15AG1A0344	ARUTTLA SRAVIKA
3		15AG1A0380	NARETI UDAY PRAKASH
1	INSTITUTE OF LANGUAGE MANAGEMENT	15AG1A0322	K MANEESHA
2		15AG1A0324	TRINADH
3		15AG1A0346	SATYA SAI VARMA
4		15AG1A0361	SANJITH
5		15AG1A0344	ARUTTLA SRAVIKA
6		15AG1A0381	P.SAIRAM
7		15AG1A0380	NARETI UDAY PRAKASH
1	WEST LINE GROUP	15AG1A0303	ANKITH KUMAR
2		15AG1A0310	G.PHALANI KUMAR
3		15AG1A0312	G.UDAY KUMAR
1	ROBO SILICON	16AG5A0311	K UDAY SAI
1	Q SPIDERS	15AG1A0343	YELLEPEDDI SAI SUDHA RADHIKA

WOMEN'S DAY CELEBRATION

International Women's Day (IWD), originally called International Working Women's Day, is celebrated on March 8 every year. In different regions the focus of the celebrations ranges from general celebration of respect, appreciation and love towards women for their economic, political and social achievements

World-renowned feminist, journalist and social and political activist Gloria Steinem. International Women's Day is all about celebration, reflection, advocacy, and action - whatever that looks like globally at a local level. But one thing is for sure, International Women's Day has been occurring for over a century - and is growing annually from strength to strength.

MESA celebrates Women's Day by arranging Poster Presentation & Essay Writing competition for the students on 8th March 2019.



YOGA DAY CELEBRATIONS

International Day of Yoga, or commonly and unofficially referred to as Yoga Day, is celebrated annually on 21 June since its inception in 2019. An international day for yoga was declared unanimously by the United Nations General Assembly (UNGA). Yoga is a physical, mental and spiritual practice originated in India.



ACE ENGINEERING COLLEGE (ACEEC) celebrated

International Day of Yoga in the institute auditorium Hall on June 21. The institute organized a high reaching Yoga demonstration program for the faculty, staff, students and residential members of ACEC.

On 21st June 2019 inaugurated the Yoga day celebration with lighting the lamp and she emphasis the importance of yoga for strengthening our mental and physical ability, increase the body flexibility and reduces stress.

Different Asanas were demonstrated and practiced by all participants. The Secretary, ACEEC observed the International Day of Yoga celebration and also took part in the practical yoga session.

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4. TEACHERS DAY/ENGINEERS DAY

JOURNALS

- Mr. Manikyam Sandeep, Associate Professor published a Journal on “**Optimization of analytical modelling of aluminium-multiwall carbon nanotube composites**” in ICMMSSE, Materials Today:proceedings,Elsevier < SCOPUS INDEXED journal>ISSN: 2214-7853 and AUG 2019
- Mr. Manikyam Sandeep, Associate Professor published a Journal on “**ENHANCEMENT AND GRAY RELATIONAL ANALYSIS OF EN 31STEEL USING PARAMETERS OF WIRE CUT ELECTRIC DISCHARGE MACHINE**” in ICMMSSE,Materials Today:proceedings,Elsevier < SCOPUS INDEXED journal>ISSN: 2214-7853 (sciencedirect.com) AUG 2019
- .Mr. Manikyam Sandeep, Associate Professor published a Journal on “**Optimization of Deep Drawing Process Parameters for Cylindrical Cup**” in ICMMSSE, Materials Today:proceedings,Elsevier < SCOPUS INDEXED journal>ISSN: 2214-7853 (sciencedirect.com) AUG 2019
- Mr. Manikyam Sandeep, Associate Professor published a Journal on “ **Experimental Investigation and Optimization of MRR, Surface Roughness and Overcut of AISI 316 Stainless Steel in EDM using Taguchi Method** ” in International Journal of Advanced Science and Technology < SCOPUS INDEXED JOURNAL>ISSN: 2005-4238 IJAST VOLUME 28 ISSUE 16 DEC2019
- Mr. Manikyam Sandeep, Associate Professor published a Journal on “**Fabrication of Carbon Fiber Reinforced Polymer (CFRP) & Comparing Experimental Result (Tensile & Bending) of CFRP (Unidirectional & Bidirectional) With Aluminum (Al7075)**” in International Journal of Advanced Science and Technology < SCOPUS INDEXED JOURNAL>ISSN: 2005-4238 IJAST VOLUME 28 ISSUE 16 DEC2019.
- Mr. Habeeb-Ur-Rahman, Assistant Professor published a Journal on “**Fabrication of Carbon Fiber Reinforced Polymer (CFRP) & Comparing Experimental Result (Tensile & Bending) of CFRP (Unidirectional & Bidirectional) With Aluminum (Al7075)**” in International Journal of Advanced Science and Technology < SCOPUS INDEXED JOURNAL>ISSN: 2005-4238 IJAST VOLUME 28 ISSUE 16 DEC2019.

Faculty Development Programme:

- Department of Mechanical Engineering conducted one week **FDP on “CNC PROGRAMMING AND PROCESS SIMULATION”** FROM 16TH DECEMBER 2019 TO 21ST DECEMBER 2019.



Faculty Development Programme attended:

01. Ms.R.Mounika, Assistant Professor Participated in One Week Faculty development on “**CNC Programming and Process Simulation**” at ACE Engineering College organized by Department of Mechanical Engineering during 16th-21st December 2019.

WORKSHOPS /GUEST LECTURE/SEMINARS

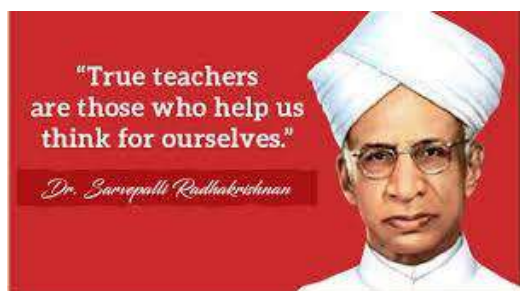
01. Department of Mechanical Engineering conducted A **Two Weeks National Level Workshop** on “**Disassembly and Assembly of IC Engines**”, from 19th Sep 2019 to 06th October 2019



Workshops Attended:

01. Ms.R.Mounika, Assistant Professor Participated in **One Week GIAN** Course on **“Isogeometric Analysis:Basic And Advanced Applications”** at NIT Warangal organized by Department of Mechanical Engineering during 11th-15th November 2019 .
02. Ms.R.Mounika, Assistant Professor Attended One Day Workshop on **“Equity Action Plan”** organized by Jawaharlal Nehru Technological University Hyderabad under TEQIP-III at JNTUH on 11th July 2019.
03. Ms.R.Mounika, Assistant Professor Attended a seminar on **“All India Seminar On Recent Trends In Automation & Digital Manufacturing”** organized by THE INSTITUTION OF ENGINEEERS (INDIA) at Visvesvaraya Bhavan Khairtabad Hyderabad during 23rd – 24th September 2019.
04. **Ms. Mounika Ragamshetty, Assistant Professor** Attended One Day Sensitization Workshop on EQUITY ACTION PLAN organized by JNTUH under TEQIP-III on 11th July 2019.

Teachers DayCelebration



In India 5th September is celebrated as Teachers' Day as a mark of tribute to the contribution made by teachers to the society. 5th September is the birthday of a great teacher Dr. Sarvapalli Radhakrishnan, who was a staunch believer of education, and was the well-known diplomat, scholar, President of India and above all a Teacher.

When Dr. Radhakrishnan became the President of India in 1962, he was approached by some of his students and friends and requested him to allow them to celebrate 5th September, his "Birthday". In reply, Dr.Radhakrishnan said, "Instead of celebrating my birthday separately, it would be my proud privilege if September 5 is observed as Teachers' Day". The request showed Dr.Radhakrishnan love for the teaching, Profession. From then onwards, the day has been observed as Teacher's Day in India. One of the most celebrated writers in the modern India today his work varies on philosophical, theological, ethical, educational, social and cultural subjects. He contributed numerous articles to different well-known journals, which, are of immense value and seems to surprise various readers because of the depth in the meaning of the articles.

Teachers mould the lives that they influence because the lessons learned from teachers remain with their students throughout life. We should always respect our teachers. Teachers need encouragement and support from the community to feel that their devotion to students is appreciated.

Since we all Indians celebrating the 5th September as our Teachers day and appreciating our Guru's for delivering knowledge to us.

We students of mechanical engineering of ACE decorated the hall of Seminar Hall and organized function for Teachers day celebration. Celebration was done by cutting the cake. Student felicitated all the staff members following different games like Antakshari, One- minute-Show etc. All the staff and students enjoyed the day. Final and third year students took the charge of lectures as per the time table and taught in every class of mechanical departments. At the end of day, at felicitation ceremony students who took lectures as per subject faculty, gifted and thanked to respective teacher. We wish our teachers should always be in harmony and Peace, it is our pleasure that we are in education and guided by Guru.

The whole world knows without GURU knowledge is not possible. Day: - One Day

Date:- **5th Sept. 2019** Time:- 13:15 – 15:15

Department: - Mechanical Engineering

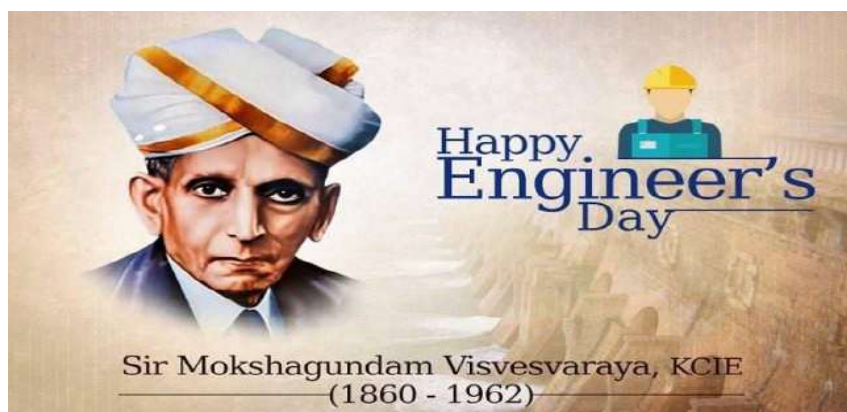
Participants: - All Staff and Students Of Mechanical Engineering Department

Engineer's day celebrations

Sir Mokshagundam Visvesvaraya , KCIE (popularly known as Sir MV; 15 September 1860 – 14 April 1962) was a notable Indian engineer, scholar, statesman and the Diwan of Mysore from 1912 to 1918. He is a recipient of the Indian Republic's highest honor, the Bharat Ratna, in 1955. He was knighted as a Knight Commander of the British Indian Empire (KCIE) by King George V for his contributions to the public good. Every year, on his birthday, 15 September is celebrated as Engineer's Day in India in his memory. He is held in high regard as a pre- eminent engineer of India. He was the chief designer of the flood protection system for the city of Hyderabad in Telangana, as well as the chief engineer responsible for the construction of the Krishna Raja Sagara dam in Mysore.

Career as an engineer

Upon graduating as an engineer from the College of Science Pune, Visvesvaraya took up a job with the Public Works Department (PWD) of Mumbai and was later invited to join the Indian Irrigation Commission. He implemented an extremely intricate system of irrigation in the Deccan area. He also designed and patented a system of automatic weir water flood- gates that were first installed in 1903 at the Khadakvasla Reservoir near Pune. These gates were employed to raise the flood supply level of storage in the reservoir to the highest level likely to be attained by a flood without causing any damage to the dam. Based on the success of these gates, the same system was installed at the Tigma Dam in Gwalior and the Krishna Raja Sagara (KRS) Dam in Mandya/ Mysore, Karnataka. In 1906– 07, the Government of India sent him to Aden to study water supply and drainage system and the project prepared by him was implemented in Aden successfully. Visvesvaraya achieved celebrity status when he designed a flood protection system for the city of Hyderabad. He was instrumental in developing a system to protect Visakhapatnam port from sea erosion. Visvesvaraya supervised the construction of the KRS Dam across the Kaveri River from concept to inauguration. This dam created the biggest reservoir in Asia when it was built. He was rightly called the "Father of modern Mysore state" (now Karnataka)



Date:- **15th Sept. 2019** Time:- 13:15 – 15:15

Department: - Mechanical Engineering

Participants: - All Staff & Students of Mechanical Engineering Department

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JOURNALS

1. **Mr. M. Sandeep**, Associate Professor, published a paper on “**Laser Heat Treatment Was Performed To Improve the Bending Property Of Laser Welded Joints Of Low-Alloy Ultrahigh-Strength Steel With Minimized Strength Loss**” volume no 83,ISSN 0193-4120 Test Engineering & Management **May-June 2020**.
2. **Mr. M. Sandeep**, Associate Professor, published a paper on “**A mobile robotic welding robot will be verified both theoretically and empirically using AWS and ASTM standards**” Published In International Journal Of Recent Technology And Engineering Issn 2277-3878, Volume -8 Issue 5 January 2020
3. **Mr. M. Sandeep**, Associate Professor, published a paper on “**Effect Of Mechanical Behaviour On Epoxy E Glass And Carbon Fibre Reinforced Composites**” in JCR. Year: 2020, Volume: 7, Issue: 18: 1057-1068. DOI: [10.31838/jcr.07.18.139](https://doi.org/10.31838/jcr.07.18.139)
4. **Ms. Rajita.S**, Assistant Professor, published a paper on “**Reconditioning & Improvisation of the Lead-Acid Battery**” in The Mattingley Publishing CO, Inc. – May-June 2020/ ISSN: 0193-4120 Page no: 905-910.
5. **Mr. Ch. Raju**, Assistant Professor, published a paper on “**Reconditioning & Improvisation of the Lead-Acid Battery**” in The Mattingley Publishing CO, Inc. – May-June 2020/ ISSN: 0193-4120 Page no: 905-910.

FDP'S/WORKSHOPS/GUESTLECTURE/SEMINARS/ WEBINARS

1. **Mr. C. Venkatesh**, Associate Professor, participated in 3-Days **Faculty Development Program** titled " Advanced Engineering Materials for Strategic & Societal Sectors – Current Perspectives ” organized by Department of Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr. Sakunthala Engineering College, *Chennai*, on 10th - 12th June,2020.
2. **Mr. C. Venkatesh**, Associate Professor, participated in 3-Days **Faculty Development Program** titled "Advanced Material Characterization Techniques ” organized by Department of Mechanical Engineering, LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY,Coimbatore on 28th – 30th May,2020.

3. **Mr. C. Venkatesh**, Associate Professor, participated in One Week **Faculty Development Program** titled " Emerging Technologies in Mechanical Engineering " organized by Department of Mechanical Engineering, VEMU INSTITUTE OF TECHNOLOGY on 26th – 30th May,2020
4. **Mr. M.Sandeep**, Associate Professor, participated in 5-Days **FDP** on “**Introduction to Finite Element Analysis**” **Conducted by Panimalar Institute of Technology**, Chennai from 11th May 2020 to 15th May 2020
5. **Mr. M.Sandeep**, Associate Professor,, attended the 5-Days FDP on “**Materials for Thermal and Renewable Energy Research**” from 20th to 24th May 2020.
6. **Mr. G. Suresh**, Assistant Professor, Participated in One Week **Faculty Development Program** On “**ADVANCED NDT TECHNIQUES & APPLICATIONS IN INDUSTRY**” From 25th to 29th May, 2020. Organized by Indian Society for Non-Destructive Testing Hyderabad Chapter in association With Department of Mechanical Engineering, QISCET, Ongole, A.P
7. **Mr. G. Suresh**, Assistant Professor, participated in one week online **FDP** on “**REFRESHER COURSE ON THERMODYNAMICS**” Organized by Department of Mechanical Engineering, during 8th - 13th June 2020. Ramachandra College Of Engineering, Vatluru (V), Eluru-534007.
8. **Mr. G. Suresh**, Assistant Professor, participated in one week **Faculty Development Program** titled "**Manufacturing and Analysis of Advanced Materials and Engineering Structure**" organized by Department of Aeronautical Engineering, MLR Institute of Technology from 26-05-2020 to 30-05-2020.
9. **Mr. G. Suresh**, Assistant Professor, participated in a 5-Day-National Level Online **Faculty Development Program** on” **ARTIFICIAL INTELLIGENCE (AI)**” from 22nd May 2020 to 26th May 2020 Organized by the Department of INFORMATION TECHNOLOGY In association with NYCI & Brain O Vision Solution India Pvt. Ltd setting a proud world record with 13000 diligent learners across the nation Vignan’s Institute of Engineering for Women-JNTU Kakinada-Vizag, A.P
10. **Ms. Rajita Sanaka** has attended **one week FDP** on “**ADVANCED NDT TECHNIQUES & APPLICATIONS IN INDUSTRY**” from 25th to 29th May-2020, organized by Indian society for Non-destructive testing in association with QISCET, Ongole.
11. **Mr. A. Abinay**, Assistant Professor, participated in 5-Days **FDP** on “**Introduction to Finite Element Analysis**” **Conducted by Panimalar Institute of Technology**, Chennai from 11th May 2020 to 15th May 2020
12. **Mr. A. Abinay**, Assistant Professor, attended the 5-Days FDP on “**Materials for Thermal and Renewable Energy Research**” from 20th to 24th May 2020
13. **Ms. Mounika Ragamshetty**, Assistant Professor, attended FDP on “**Blended Learning and Flipped Classroom**” organized by All India Council For Technical Education - National Institute of Technical Teachers Training & Research, Chandigarh from 31-04-2020 To 9-4-2020.

14. Ms. Mounika Ragamshetty, Assistant Professor, attended FDP on “**3d Printing & Design**” organized by All India Council for Technical Education - NIT Warangal from 15-06-2020 To 19-06-2020
15. **Ms. Mounika Ragamshetty**, Assistant Professor, attended FDP on “**Research Challenges And Opportunities Post Covid-19 (Recop 2020)**” conducted by Sri Vasavi Engineering College (Autonomous) from 4th -9th May 2020
16. **Ms. V.Shalini**, Assistant Professor, Participated in one week online **FDP** on “**Principles of Casting Technology**” at NPTEL -AICTE on march 2020
17. **Ms. V.Shalini**, Assistant Professor, Participated in ten days online **FDP** on “**Computer Integrated Manufacturing** ” at NPTEL -AICTE on april 2020
18. **Ms. V.Shalini**, Assistant Professor, Participated in five days online **FDP** on “**Automotive Interior Design**” at Andhra Pradesh State Skill Development Corporation, in Association with Dassault a Systems during 8/6/2020 to 12/6/2020.
19. **Ms. V.Shalini**, Assistant Professor, Participated in three days online FDP on “**Design For Manufacturing and Assembly**” at Andhra Pradesh State Skill Development Corporation ,in Association with Dassault a Systems during 21/5/2020 To 23/5/2020.
20. **Mr. Ch. Raju**, Assistant Professor, participated in **Faculty Development Program** titled " *Advanced Material Research* organized by Department of Mechanical Engineering, *Bharath Institute of Engineering College and Technology in the year 2020.*
21. **Mr. Ch. Raju**, Assistant Professor, participated in **Faculty Development Program** titled " *Advanced Material Research* organized by Department of Mechanical Engineering, *Bharath Institute of Engineering College and Technology in the year 2020.*

WEBINARS ATTENDED

1. **Mr. G. Suresh**, Assistant Professor, participated in two-day webinar on “**RECENT INNOVATIONS AND FUTURE OF AUTOMOBILES**” held on 21st & 22nd May, 2020.Department of Mechanical Engineering, Vignana Bharathi Institute of Technology, Hyderabad, T.S.
2. **Mr. G. Suresh**, Assistant Professor, participated in two-day webinar on “**RECENT INNOVATIONS AND FUTURE OF AUTOMOBILES**” held on 21st & 22nd May, 2020.Department of Mechanical Engineering, Vignana Bharathi Institute of Technology, Hyderabad, T.S.
3. **Mr. G. Suresh**, Assistant Professor, participated in the **Webinar** Series titled “**RECENT REVOLUTIONS IN MECHANICAL ENGINEERING**” From 02nd June 2020 – 06th June 2020. J.B Institute of Engineering and Technology, Hyderabad, T.S

4. **Mr. G. Suresh**, Assistant Professor, participated in the **webinar** on “**Methods and Tools for Qualitative Research Writing**” on 16th May 2020 organized by the Department of Science and Humanities, Karpagam College of Engineering, Coimbatore.
5. **Mr. G. Suresh**, Assistant Professor, Participated One Day webinar on “**METAL ADDITIVE MANUFACTURING**” conducted by Department of Mechanical Engineering on 13-6-2020. Vivekananda institute of Technology and Science, Hyderabad, T.S
6. **Mr. MD. Habeeb Ur Rahman**, Assistant Professor, participated in the **webinar** on “**NextGen Solutions Amidst COVID-19**” on 24th May 2020 conducted by Anurag Group of Institutions.
7. **Mr. MD. Habeeb Ur Rahman**, Assistant Professor, participated in the **webinar** on “**Selection of Chillers**” on 29th May 2020 conducted by Anurag Group of Institutions in collaboration with ISHRAE- Deccan Chapter.
8. **Mr. MD. Habeeb Ur Rahman**, Assistant Professor, participated in the **webinar** on “**Understanding of Building Insulation**” on 30th May 2020 conducted by Anurag Group of Institutions in collaboration with ISHRAE- Deccan Chapter.
9. **Ms. Mounika Ragamshetty**, Assistant Professor, attended webinar on “**Development Of Low-Cost Solar Air Collectors**” conducted by Francis Xavier College Of Engineering on 22nd June 2020
10. **Ms. Mounika Ragamshetty**, Assistant Professor, attended **webinar** on “**IEEE Xplore Digital Library: Enhancing Libraries Drive Innovation Forward In Unprecedented Times**” organized by IEEE KITS Warangal on 22nd June 2020
11. **Ms. Mounika Ragamshetty**, Assistant Professor, attended **webinar** on “**Smart Factory Automation With Digital Twin And Live Demonstration On Skillon365**” conducted by Anurag University on 29th June 2020
12. **Mr. G. Pradeep**, Assistant Professor, participated in **webinar** on “**Recent Trends in IC Engines**” conducted by Rathinam Technical campus-Coimbatore on 29th May 2020
13. **Mr. G. Pradeep**, Assistant Professor, participated in **webinar** on “**Fundamentals of Strength of Materials**” conducted by Chennai Institute of Technology on 29th April 2020
14. **Ms. V. Shalini**, Assistant Professor, Attended the **webinar** on “**Heat Transfer Enhancement Techniques for Metal Hydride Based Hydrogen Storage System**” at Chalapathi Institute of Engineering and Technology AP organized by Department of Mechanical Engineering on 24/6/2020
15. **Ms. V. Shalini**, Assistant Professor, Attended the **webinar** on “**Advanced Troubleshooting Techniques in CNC**” at Sri Ramakrishna Institute of Technology Coimbatore organized by Department of Mechanical Engineering on 17/6/2020
16. **Ms. V. Shalini**, Assistant Professor, Attended the **webinar** on “**Stir Welding of Dissimilar Materials**” at Sri Ramakrishna Institute of Technology Coimbatore organized by Department of Mechanical Engineering on 8/6/2020

17. **Mr. Ch. Raju**, Assistant Professor, participated in Webinar on “*3D PRINTING and INDUSTRIAL APPLICATION*” conducted by *PPG INSTITUTE OF TECHNOLOGY, Coimbatore* in the year, 2020.
18. **Mr. A. ABINAY**, Assistant Professor, participated in the **webinar** on “**HYPersonic FLOWS**” on 07th June 2020 conducted by LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING in collaboration with Department of Aerospace Mechanical and Electronics Engineering, Institute of Technology, Carlow, Ireland.
19. **Mr. A. ABINAY**, Assistant Professor, participated in the **webinar** on “**SMART AGRICULTURE SYSTEM USING IOT**” organized by Department of Mechanical Engineering, St.Peter’s College of Engineering and Technology on 6th June 2020 In Association with Sree Technologies - Franchisee of Prolific Systems & Technologies Pvt. Ltd
20. **Mr. A. ABINAY**, Assistant Professor, participated in the **webinar** on “Joining of Tubes Using Solid State Welding’ on June 03, 2020 organized by Indian Welding Society (IWS) forum in connection with Department of Mechanical Engineering, Coimbatore Institute of Engineering and Technology, Coimbatore, Tamil Nadu.
21. **Mr. A. ABINAY**, Assistant Professor, participated in the **webinar** on “Advanced Propulsion Systems” presented by Mr. Michael Bretti, Applied ION Systems, Troy, New York, Organized by Aeromodelling and Computational Club of Department of Aerospace Engineering, Chandigarh University on 01-06-2020.
22. **Mr. A. ABINAY**, Assistant Professor, participated in the **webinar** on “Welding as career-the untold success” on 11th June 2020 conducted by Jawaharlal institute of technology, Borawan, Madhya Pradesh.

FACULTY ACHIEVEMENTS

1. **Mr. K. Nagendra**, Assistant Professor, Completed NPTEL MOOC’s course on **KINEMATICS OF MECHANISMS AND MACHINE** with 84% in JAN-MARCH 2020
2. **Ms. Rajita Sanaka** has successfully completed NPTEL MOOC’s Course on “**Computer Integrated Manufacturing**” for Jan-April 2020
3. **Mr. A. Abinay**, Assistant Professor, completed NPTEL MOOC’s course on “**Aircraft Maintenance**” with Elite Certificate in Jan-March 2020
4. **Mr. G. Pradeep**, Assistant Professor, has successfully completed NPTEL MOOC’s Course on “**IC Engines and Gas Turbines**” with 87% in Jan-April 2020
5. **Mr. G. Pradeep**, Assistant Professor, has successfully completed NPTEL MOOC’s Course on “**Laws of Thermodynamics**” with 93% in Jan-Feb 2020
6. **Ms. V.Shalini**, Assistant Professor, successfully completed Certification from NPTEL on the Course “**Computer Integrated Manufacturing**” with ELITE.
7. **Ms. V.Shalini**, Assistant Professor, successfully completed Certification from NPTEL on the Course “**Principles of Casting Technology**” with ELITE.

Student Participation in Workshops/Seminars/Paper Presentations:

1. M. Jithender student attended Workshop on Future of Drone Technologies and Its Applications on 14th – 15th Feb 2020 conducted by ARIES Solutions with ACE Engineering College
2. P. Vijay student attended Workshop on Future of Drone Technologies and Its Applications on 14th – 15th Feb 2020 conducted by ARIES Solutions with ACE Engineering College
3. K. Priyanka student attended Workshop on 3D Printing- 13th& 14th March 2020 organized by Osmania University
4. P. Vijay student attended Workshop on 3D Printing- 13th& 14th March 2020 organized by Osmania University
5. K. Priyanka student attended Workshop on Future of Drone Technologies and Its Applications on 14th – 15th Feb 2020 conducted by ARIES Solutions with ACE Engineering College
6. B Bhuvanesh Kumargiven Paper Presentation on 28th& 29th FEB 2020 organized by Nalla Narsimha Reddy Engineering College
7. G Aasish student attended Workshop on Mercedes Engine Diagnosis and Practical- 07th& 08th March 2020 Conducted by AMZ Automotive with Osmania University
8. G Aasish student attended Workshop on Future of Drone Technologies and Its Applications on 14th – 15th Feb 2020 conducted by ARIES Solutions with ACE Engineering College
9. G Aasish given Paper Presentation on 28th& 29th FEB 2020 organized by Nalla Narsimha Reddy Engineering College

STUDENTS ACHIEVEMENTS:

1. **Mr. DODLA AKHIL KUMAR**, II Year Student successfully completed NPTEL MOOC's Course on "Aircraft Performance" on April-2020.
2. **Mr. Bharath Reddy Jakka**, IV Year student successfully completed course on topic "FAN and BLOWER" conducted by TATA STEEL.

PLACEMENTS

S NO	ROLLNO	STUDENT NAME	COMPANY NAME	PACKAGE (LAKHS PA)
1	15AG1A0328	MOHAMMED ABRAR	BYJUS	10
2	16AG1A0357	NATARAJAN BHAGAVATHI	CAPGEMINI	3.8
3	16AG1A0337	AAKULA YASHODHA	TCS (NINJA)	3.36
4	16AG1A0342	BYRESETTY SANDEEP SATYA		3.36
5	16AG1A0372	V S R S NAGA VENKATA MAHESH		3.36
6	16AG1A0374	YERKALA NAGARAJU GOUD		3.36
7	17AG5A0320	VALLAP NEERAJ		3.36
8	16AG1A0330	PUNNA RAJASHEKAR	NISSAN	2.8
9	16AG1A0346	JAYAKUMAR SUNITHAKUMARI		2.8
10	17AG5A0303	KOMATI SAI KUMAR		2.8

11	17AG5A0333	KAVALI PRASHANTH KUMAR		2.8
12	17AG5A0334	PODISHETTI MANISH		2.8
13	16AG1A0328	POCHAMAINA SHYAM	RAAM GROUP	2.5
14	17AG5A0327	SURAMPALLY MITHRA		2.5
15	17AG5A0327	SURAMPALLY MITHRA	PARAGON DIGITAL SERVICES	2.4
16	15AG1A0328	MOHAMMED ABRAR	SUTHERLAND	2.3
17	17AG5A0309	MOHAMMED FARID UDDIN	MULTIPLIER SOLUTIONS	2.1
18	17AG5A0331	DASARI PRAVEEN SAI KUMAR		2.1
19	17AG5A0334	PODISHETTI MANISH		2.1
20	16AG1A0328	POCHAMAINA SHYAM	SURYATECH SOLUTIONS	2.1
21	16AG1A0340	BANOTHU NAGENDER		2.1
22	16AG1A0374	YERKALA NAGARAJU GOUD		2.1
23	17AG5A0317	BOOSA RAKESH		2.1
24	17AG5A0320	VALLAP NEERAJ		2.1
25	17AG5A0325	RATNALA SHARAT KUMAR		2.1
26	17AG5A0326	KONNOJU VAMSHIDHAR		2.1
27	17AG5A0327	SURAMPALLY MITHRA		2.1
28	17AG5A0330	PENDEM SAI KIRAN		2.1
29	17AG5A0334	PODISHETTI MANISH		2.1
30	16AG1A0304	BATHULA SATISH REDDY	SHELL PRO TECHNOLOGIES	2.1
31	16AG1A0306	BONGU ARAVIND		2.1
32	16AG1A0326	PALNATI SAI SANTHOSH REDDY		2.1
33	16AG1A0333	S AKKSHAY KUMAR		2.1
34	16AG1A0345	GONDHI RAMYA		2.1
35	16AG1A0351	KORRA UDAY KIRAN		2.1
36	16AG1A0355	MANCHOJU VINAY KUMAR		2.1
37	16AG1A0356	MOHAMMED AAMAIR		2.1
38	16AG1A0365	RAJKUMAR MANIKANTAN		2.1
39	16AG1A0372	V. SIVA RAVI SAI VENKATA MAHESH		2.1
40	17AG5A0301	BAIRI NITHISH GOUD		2.1
41	17AG5A0321	S SHIVA KUMAR GOUD		2.1
42	17AG5A0331	DASARI PRAVEEN SAI KUMAR	KARVY	2.1
43	17AG5A0334	PODISHETTI MANISH		2.1
44	16AG1A0337	AAKULA YASHODHA		2
45	16AG1A0342	BYRESETTY SANDEEP SATYA		2
46	16AG1A0346	JAYAKUMAR SUNITHAKUMARI		2
47	16AG1A0351	KORRA UDAY KIRAN		2
48	16AG1A0357	NATARAJAN BHAGAVATHI		2
49	17AG5A0315	CHENNA KARTHIK		2
50	17AG5A0316	NANNEBOINA RANADHEER		2
51	15AG1A0328	MOHAMMED ABRAR		2
52	15AG1A0353	KARTHIK KANDUKURI		2

53	16AG1A0301	B.PRASHANTH	PRATHIRAJ METAL MASTERS PVT LTD (AMRITHA TOOLS & CRAFTS)	1.8
54	16AG1A0302	B.RAKESH		1.8
55	16AG1A0303	B.JAGADEESH KUMAR		1.8
56	16AG1A0305	B.KARTHIK		1.8
57	16AG1A0312	IYTLA SRINIVAS		1.8
58	16AG1A0325	NOOKAM SAI KIRAN		1.8
59	16AG1A0337	AAKULA YASHODHA		1.8
60	16AG1A0342	BYRESETTY SANDEEP SATYA		1.8
61	16AG1A0345	GONDHI RAMYA		1.8
62	16AG1A0354	MACHA ABHINAY GOUD		1.8
63	16AG1A0355	MANCHOJU VINAY KUMAR		1.8
64	16AG1A0357	NATARAJAN BHAGAVATHI		1.8
65	16AG1A0362	PERAM SREEVIDHYA		1.8
66	16AG1A0363	POTULGUDE PREETHI		1.8
67	17AG5A0303	KOMATI SAI KUMAR		1.8
68	17AG5A0304	BANOTHU NAGARAJU		1.8
69	17AG5A0305	KADARI ARAVIND SWAMY		1.8
70	17AG5A0310	DEVASANI ANIL KUMAR	PRATHIRAJ METAL MASTERS PVT LTD (AMRITHA TOOLS & CRAFTS)	1.8
71	17AG5A0311	VALLAPUREDDY VENKATA KRISHNA REDDY		1.8
72	17AG5A0312	G MURALI KRISHNA		1.8
73	17AG5A0315	CHENNA KARTHIK		1.8
74	17AG5A0320	VALLAP NEERAJ		1.8
75	17AG5A0334	PODISHETTI MANISH		1.8
76	16AG1A0356	AAMAIR MOHAMMED	RAMTECH	1.4
77	16AG1A0358	PADKANTI SAIKUMAR		1.4
78	16AG1A0368	SRIPADA NITHISH		1.4
79	17AG5A0301	NITHISH		1.4
80	17AG5A0313	DONGIRI RAJABABU		1.4
81	17AG5A0315	CHENNA KARTHIK		1.4
82	17AG5A0316	NANNEBOINA RANADHEER		1.4
83	17AG5A0317	BOOSA RAKESH		1.4
84	17AG5A0319	NEDUNOORI SRINIVAS		1.4
85	17AG5A0321	S SHIVA KUMAR GOUD		1.4
86	17AG5A0323	UTTUKURI RAM KUMAR		1.4
87	17AG5A0324	BEEREDDY BHARATHREDDY		1.4
88	16AG1A0333	S AKKSHAY KUMAR	TECHO2 INDIA PRIVATE LIMITED	1.2

INDUSTRIAL VISIT:

An Industrial visit to **KAKATIYA THERMAL POWER STATION** is arranged to Third Year Mechanical Engineering Students of the Department. The visit was scheduled on 13th March 2020.

Kakatiya Thermal Power Station is located near Chelpur village of Bhupalpalle mandal in Warangal district of Telangana State. The power plant is one of the coal based power plants owned by Telangana State Power Generation Corp(**TSGENCO**). This power plant was developed in 2 stages. The first stage comprised one 500MW unit and Kakatiya TPP Unit-II 1X600MW.





Around 96 Students and 04 Faculty Members visited the plant and learnt about the various mechanisms, process sequences, safety precautions and other operations of the thermal power plant.

WOMEN'S DAY CELEBRATION

International Women's Day (IWD), originally called International Working Women's Day, is celebrated on March 8 every year. In different regions the focus of the celebrations ranges from general celebration of respect, appreciation and love towards women for their economic, political and social achievements



YOGA DAY CELEBRATIONS

International Day of Yoga, or commonly and unofficially referred to as Yoga Day, is celebrated annually on 21 June since its inception in 2015. An international day for yoga was declared unanimously by the United Nations General Assembly (UNGA). Yoga is a physical, mental and spiritual practice originated in India.



ACE ENGINEERING COLLEGE (ACEEC), celebrated International Day of Yoga in the institute auditorium Hall on June 21. The institute organized a high reaching Yoga demonstration program for the faculty, staff, students and residential members of ACEC.

On 21st June 2020 inaugurated the Yoga day celebration with lighting the lamp and She emphasis the importance of yoga for strengthening our mental and physical ability, increase the body flexibility and reduces stress.

Different Asanas were demonstrated and practiced by all participants. The Secretary, ACEC observed the International Day of Yoga celebration and also took part in the practical yoga session.

JULY - DEC 2020

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1. JOURNALS

2. FDP'S/WORKSHOPS/GUESTLECTURE/SEMINARS/ WEBINARS

3. FACULTY ACHIEVEMENTS:

4. STUDENT PARTICIPATION IN WORKSHOPS/SEMINARS/STTP'S

5. A GUEST TALK FOR STUDENTS

6. TEACHERS DAY/ENGINEERS DAY

JOURNALS

1. **Mr. M. Sandeep**, Associate Professor, published a paper on “**Analysis of Machining Parameters on D2Tool Steel in Wire Cut EDM**” in Advances in Lightweight Materials and Structures. **Springer Proceedings in Materials, vol 8.** Springer, Singapore. First online 14october 2020.
2. **Mr. M. Sandeep**, Associate Professor, published a paper on “**Experimental Execution Analysis of Wire Electric Discharge Machining**” in Advances in Lightweight Materials and Structures. **Springer Proceedings in Materials, vol 8.** Springer, Singapore. First online 14october 2020.
3. **Ms. Mounika Ragamshetty**, Assistant Professor, published a paper on “**A review on**

Gear Parameters optimization using composite materials” in **JETIR, InternationalJournal-** ISSN 2349-5162- NOV 20-Vol 7-Issue 7.

FDP'S/WORKSHOPS/GUESTLECTURE/SEMINARS/ WEBINARS

FDP'S Attended

1. **Mr. K. Nagendra**, Assistant Professor, participated in NATIONAL LEVEL FIVE DAYS VIRTUAL **SHORT TERM TRAINING PROGRAM ON “INDUSTRY 4.0”** Conducted by **NITTE MEENAKSHI INSTUTUTE OF TECHNOLOGY, BANGALORE** On 24th-28th AUGUST 2020
2. **Ms. Mounika Ragamshetty**, Assistant Professor, attended FDP on “**Advanced Materials And Manufacturing**” organized by Kakatiya Institute Of Technology & Science from 29/06/2020 To 03/07/2020
3. **Mr. Ch. Raju**, Assistant Professor, participated in **Faculty Development Program** titled " *Transformation in Engineering Technology (BSIV to BSVI) & Electrical Vehicle*"

organized by Department of Mechanical Engineering, *ANJUMAN college of Engineering and Technology , Nagpur, in the year 2020.*

4. **Mr. Ch. Raju**, Assistant Professor, participated in **Faculty Development Program** titled " *Recent Advancement in Rocket Science & Additive Manufacturing*" organized by Department of Mechanical Engineering, *CSI college of engineering, Chennai, in the year 2020.*

Webinars Attended

1. **Mr. C. VENKATESH, Associate Professor**, participated & completed successfully AICTE Training and Learning (ATAL) Academy OnlineFDP on "**3D PRINTING AND DESIGN**" from 2020-9-7 to 2020-9-11 at K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY.
 2. **Mr. C. VENKATESH, Associate Professor**, participated & completed successfully AICTE Training and Learning (ATAL) Academy OnlineFDP on "**Additive Manufacturing**" from 2020-9-21 to 2020-9-25 at Vasireddy Venkatadri Institute of Technology.
 3. **Mr. K. Nagendra**, Assistant Professor, participated in Webinar on **RESEARCH DEVELOPMENT IN COMPOSITE MATERIALS** conducted by KUPPAM ENGINEERING COLLEGE, KUPPAM on 15th AUGUST 2020
 4. **Mr. K. Nagendra**, Assistant Professor, participated in **Webinar** on **INNOVATIVE MATERIALS FOR AUTOMIBLE APPLICATIONS** conducted by KUPPAM ENGINEERING COLLEGE, KUPPAM on 5th SEPTEMBER 2020
 5. **Mr. K. Nagendra**, Assistant Professor, participated in NATIONAL LEVEL FIVE DAYS VIRTUAL **SHORT TERM TRAINING PROGRAM ON "INDUSTRY 4.0"** Conducted by NITTE MEENAKSHI INSTUTUTE OF TECHNOLOGY, BANGALORE On 24th-28th AUGUST 2020
 6. **Mr. Ch. Raju**, Assistant Professor, participated in Webinar on "*Ancient Indian Education System*" conducted by NITTTR Kolkata, 11th and 12th November, 2020.
 7. **Mr. Ch. Raju**, Assistant Professor, participated in Webinar on "*Emerging Technologies in Manufacturing -An*" conducted by VEMU INSTITUTE OF TECHNOLOGY, Chittoor, A.P., in the year, 2020.
 8. **Mr. A. ABINAY**, Assistant Professor, participated in the **webinar** on "**Impact of COID-19 on future of Higher education – challenges & opportunities**" on 04th
- Mr. K. Nagendra**, Assistant Professor, participated in NATIONAL LEVEL FIVE DAYS VIRTUAL **SHORT TERM TRAINING PROGRAM ON "INDUSTRY 4.0"** Conducted by NITTE MEENAKSHI INSTUTUTE OF TECHNOLOGY,

BANGALORE On 24th-28th AUGUST 2020

5. **Ms. Mounika Ragamshetty**, Assistant Professor, attended FDP on “**Advanced Materials And Manufacturing**” organized by Kakatiya Institute Of Technology & Science from 29/06/2020 To 03/07/2020

FACULTY ACHIEVEMENTS:

- **Ms. Mounika Ragamshetty**, Assistant Professor, Received NITTT Certification for Module 5 “Technology Enabled Learning and Life-Long Self-Learning.”

STUDENT PARTICIPATION IN WORKSHOPS/SEMINARS/STTP'S:

- A Karthik Reddy student participated in Self-Driving Car Workshop 18th – 19th OCT 2019 organized by BITS Pilani Hyderabad
- K. Priyanka student participated in Workshop on Self Driving Car – 18th & 19th OCT 2019 BITS PILANI- Hyderabad
- K. Priyanka student attended Short Term Course on “Non Destructive Testing” – 25th to 27th July 2019 conducted by Megha Institute of Engineering for Women, Hyderabad.
- K. Priyanka participated in Workshop on Assembly and Des-Assembly of IC Engines- 19th SEP 2019 to 05th OCT 2019 organized by ACE Engineering College

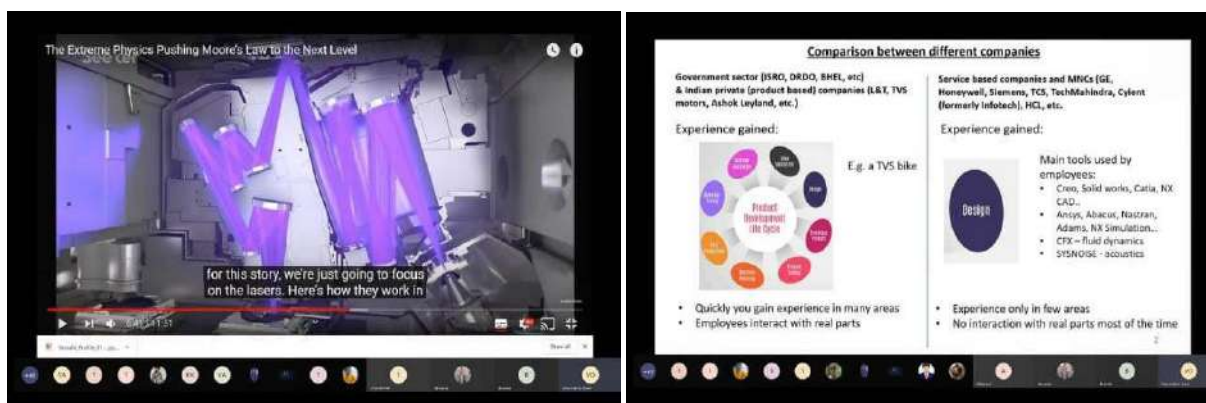
A GUEST TALK FOR STUDENTS:

Department has conducted an online **Guest Talk** on “**The Awareness about the career in Mechanical Engineering**” on 02nd October 2020, by **Mr.D.Vamshidhar, Senior Design Engineer at ASML, Netherlands.**

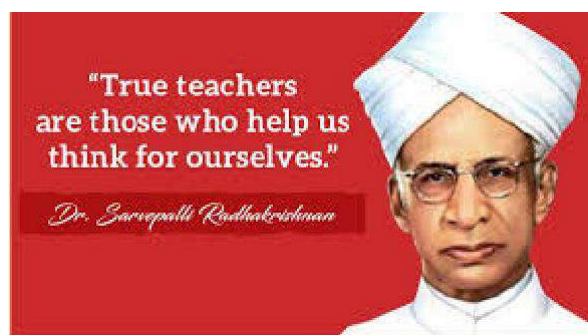
In which he discussed about:

- The variety of projects in General Electric (GE) and importance of Mechanical Engineering in industry.
- Importance of practical knowledge for career advancement.
- Role of Mechanical Engineer in a semi conductor industry
- Types of jobs available in Mechanical Engineering and the skills required for the students to get succeed and many more such topics.





Teachers Day Celebration



In India 5th September is celebrated as Teachers' Day as a mark of tribute to the contribution made by teachers to the society. 5th September is the birthday of a great teacher Dr. Sarvapalli Radhakrishnan, who was a staunch believer of education, and was the well-known diplomat, scholar, President of India and above all a Teacher.

When Dr. Radhakrishnan became the President of India in 1962, he was approached by some of his students and friends and requested him to allow them to celebrate 5th September, his "Birthday". In reply, Dr. Radhakrishnan said, "Instead of celebrating my birthday separately, it would be my proud privilege if September 5 is observed as Teachers' Day". The request showed Dr. Radhakrishnan love for the teaching Profession. From then onwards, the day has been observed as

Teacher's Day in India. One of the most celebrated writers in the modern India today his work varies on philosophical, theological, ethical, educational, social and cultural subjects. He contributed numerous articles to different well-known journals, which, are of immense value and seems to surprise various readers because of the depth in the meaning of the articles.

Teachers mould the lives that they influence because the lessons learned from teachers remain with their students throughout life. We should always respect our teachers. Teachers need encouragement and support from the community to feel that their devotion to students is appreciated.

Since we all Indians celebrating the 5th September as our Teachers day and appreciating our Guru's for delivering knowledge to us. We students of mechanical engineering of ACE decorated the hall of Seminar Hall and organized function for Teachers day celebration. Celebration was done by cutting the cake. Student felicitated all the staff members following different games like Antakshari, One-minute-Show etc. All the staff and students enjoyed the day. Final and third year students took the charge of lectures as per the time table and taught in every class of mechanical departments. At the end of day, at felicitation ceremony students who took lectures as per subject faculty, gifted and thanked to respective teacher. We wish our teachers should always be in harmony and Peace, it is our pleasure that we are in education and guided by Guru.

TeachersDay Celebration

The whole world knows without GURU knowledge is not possible. Day: - One

DayDate:- **5th Sept. 2020** Time:- 13:15 – 15:15

Department: - Mechanical Engineering

Participants: - All Staff and Students of Mechanical Engineering Department

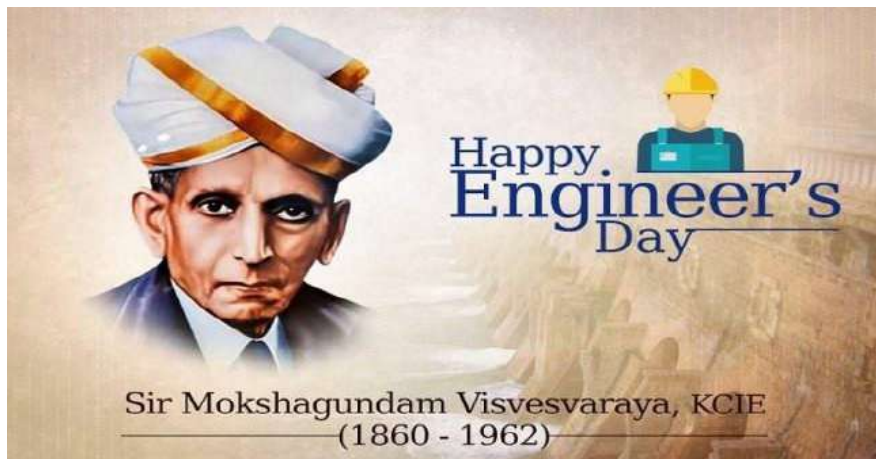
Engineer's day celebrations

Sir Mokshagundam Visvesvaraya, KCIE (popularly known as Sir MV; 15 September 1860 – 14 April 1962) was a notable Indian engineer, scholar, statesman and the Diwan of Mysore from 1912 to 1918. He is a recipient of the Indian Republic's highest honor, the Bharat Ratna, in 1955. He was knighted as a Knight Commander of the British Indian Empire (KCIE) by King George V for his contributions to the public good. Every year, on his birthday, 15 September is celebrated as Engineer's Day in India in his memory. He is held in high regard as a pre- eminent engineer of India. He was the chief designer of the flood protection system for the city of Hyderabad in Telangana, as well as the chief engineer responsible for the construction of the Krishna Raja Sagara dam in Mysore.

Career as an Eengineer

Upon graduating as an engineer from the College of Science Pune, Visvesvaraya took up a job with the Public Works Department (PWD) of Mumbai and was later invited to join the Indian Irrigation

Commission. He implemented an extremely intricate system of irrigation in the Deccan area. He also designed and patented a system of automatic weir water flood- gates that were first installed in 1903 at the Khadakvasla Reservoir near Pune. These gates were employed to raise the flood supply level of storage in the reservoir to the highest level likely to be attained by a flood without causing any damage to the dam. Based on the success of these gates, the same system was installed at the Tigra Dam in Gwalior and the Krishna Raja Sagara (KRS) Dam in Mandya/ Mysore, Karnataka. In 1906– 07, the Government of India sent him to Aden to study water supply and drainage system and the project prepared by him was implemented in Aden successfully. Visvesvaraya achieved celebrity status when he designed a flood protection system for the city of Hyderabad. He was instrumental in developing a system to protect Visakhapatnam port from sea erosion. Visvesvaraya supervised the construction of the KRS Dam across the Kaveri River from concept to inauguration. This dam created the biggest reservoir in Asia when it was built.



He was rightly called the "Father of modern Mysore state" (now Karnataka)

Date:- **15th Sept. 2020** Time:- 13:15 – 15:15 Department: -

Mechanical Engineering

Participants: - All Staff and Students of Mechanical Engineering Department

JAN - JUNE 2021

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JOURNALS

1. **Mr. M. Sandeep**, Associate Professor, published a paper on “**Design and Analysis of Solar Flat Plate Collector**” in The International journal of analytical and experimental modal analysis- Volume XIII, Issue II, February/2021
2. **Mr. M. Sandeep**, Associate Professor, published a paper on “**Experimental investigation on temperature profiles and residual stresses in GTAW dissimilar weldments of AA5052 and AA7075**” in Advances in Material and Processing Technologies, DOI: [10.1080/2374068X.2021.1948702](https://doi.org/10.1080/2374068X.2021.1948702) online on 28 May 2021

FDP'S/WORKSHOPS/GUESTLECTURE/SEMINARS/ WEBINARS

1. **Mr. C. Venkatesh**, Associate Professor, participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "**Design Thinking**" from 2021-06-21 to 2021-06-25 at Bharati Vidyapeeth College of Engineering.
2. **Ms. Mounika Ragamshetty**, Assistant Professor, attended 10Hrs FDP on “**Product Development using Solid works**” organized *ICT Academy* from 16/05/2021 To 20/05/2021
3. **MS. Rajita S**, Assistant Professor, participated in 5-Days Faculty Development Program titled " *Inculcative Universal Human Values in Technical Education*” organized by AICTE from 14 June 2021 to 18 June 2021.

4. **Ms. Rajita S**, Assistant Professor, successfully completed the AICTE-ISTE approved orientation/refresher programme on “CAD Modelling and MATLAB Modelling” held during 23/02/2021 to 01/03/2021 organized by Narasimha Reddy Engineering College, Hyderabad, Telangana
5. **Ms. Rajita S**, Assistant Professor, has participated in 10 Hours of Faculty Development Program on **Productive tools in AutoCAD (Online Live FDP)** conducted by ICT Academy on 22 Feb 2021 to 26 Feb 2021

WORKSHOPS/SEMINARS

1. **Ms. Rajita S**, Assistant Professor, participated in two-day national level seminar on “Characterization and machinability studies of metal matrix composites and friction stir welding” organized by VNVJIET during 26-27 February 2021
2. **Ms. Rajita S**, Assistant Professor, participated in one day webinar on “After treatment systems for BS VI Vehicles” organized by VNVJIET on 24th February 2021

FACULTY ACHIEVEMENTS

1. **Ms. Mounika Ragamshetty**, Assistant Professor, Received NITTT Certification for MODULE 5 “**Technology Enabled Learning and Life-long Self-learning**” On March- 2021.

STUDENT INTERNSHIPS/TRAININGS:

1. **A Karthik Reddy**, student of III Year Mechanical has successfully completed two weeks virtual internship on “**Advanced Two-Wheeler Technology**” held from 21st April to 07th May 2021 organized by Skyy Rider institutions Pvt Ltd.
2. **B Bhuvanesh Kumar**, student of III Year Mechanical has successfully completed online course on **AUTOCAD Quiz** on 09th April 2021 conducted by ITRONIX Solutions
3. **B Bhuvanesh Kumar**, student of III Year Mechanical has successfully completed two weeks virtual internship on “**Advanced Two-Wheeler Technology**” held from 21st April to 07th May 2021 organized by Skyy Rider institutions Pvt Ltd.
4. **M Murali Sri Rama Krishna**, student of III Year Mechanical has successfully completed training in the course of “**AUTOCAD 2D & 3D**” from 14th June 2021 to 13th July 2021 and secured A1 Grade conducted by The National Small Industries Corporation Limited, Hyderabad.

5. **G Aasish**, student of III Year Mechanical has successfully completed two weeks virtual internship on “**Advanced Two-Wheeler Technology**” held from 21st April to 07th May 2021 organized by Skyy Rider institutions Pvt Ltd.

PLACEMENTS

2020 – 21 Placed Data

S.N O	ROLLNO	NAME	COMPANY	PACKAGE (LAKHS PA)
1	17AG1A0382	KONDREDDIGARI SAKETH REDDY	PLANET SPARK	6.5
2	17AG1A0316	BENKIN ABHISHEK		6.5
3	17AG1A0362	ANUMULA NITHISH REDDY	ACCENTURE	4.5
4	17AG1A0362	ANUMULA NITHISH REDDY	COGNIZANT	4
5	17AG1A0349	SHIVAKOTI SUDHEER	INFOSYS	3.6
6	17AG1A0353	ANUGU SHIVANADHREDDY		3.6
7	17AG1A0351	SANGI NARESH YADAV	TCS	3.36
8	18AG5A0307	DODDI SAI PRAKASH		3.36
9	18AG5A0346	Mogulla Saikumar		3.36
10	17AG1A0316	BENKIN ABHISHEK	RAAM GROUP	2.5*
11	17AG1A0348	MADINENI RAVITEJA		2.5*
12	17AG1A0348	MADINENI RAVITEJA	SUTHERLAND	2.4
13	17AG1A0359	SRAVANTH KUMAR KASOJI		2.4
14	17AG1A0363	MOHAMMAD SOHAIL		2.4
15	17AG1A0369	BHANGURKAR NIKHIL		2.4
16	17AG1A0382	KONDREDDIGARI SAKETH REDDY		2.4
17	18AG5A0326	TAMTAM KIRAN KUMAR		2.4
18	18AG5A0333	CHADA JASHWANTH REDDY		2.4
19	17AG1A0345	TUPPELI VIKRANTH REDDY		2.4
20	17AG1A0349	SHIVAKOTI SUDHEER		2.4
21	18AG5A0309	GAJULA PRASHANTH	INTELLICRATS	2.4
22	17AG1A0301	P.PAVAN REDDY	SURYA TECH SOLUTIONS	2.1
23	17AG1A0318	KANDUKURI RUSHI KUMAR		2.1
24	17AG1A0327	SEVELLA ARAVIND		2.1
25	17AG1A0328	HEEREKAR VISHAL		2.1
26	17AG1A0332	NARENDRA BABU		2.1

27	17AG1A0335	Y.KARTHIK		2.1
28	17AG1A0349	SHIVAKOTI SUDHEER		2.1
29	17AG1A0361	ANKENAPALLY PRANAY		2.1
30	17AG1A0364	GADDAGUTI BHANUPRAKASH		2.1
31	17AG1A0367	AGGIDI VIDYA SAGAR		2.1
32	17AG1A0369	BHANGURKAR NIKHIL	SURYA TECH SOLUTIONS	2.1
33	18AG5A0331	T SHIVA KUMAR GOUD		2.1
34	18AG5A0334	CHEERA VINAY KUMAR		2.1
35	18AG5A0347	M.S.S.RAMSWAROOP		2.1
36	17AG1A0302	PANDIRI SHIVA	TVS SUNDRAM FASTENERS LIMITED	2
37	17AG1A0305	SAIKIRAN GONUGUNTA		2
38	17AG1A0308	GANTA NAVEEN		2
39	17AG1A0316	BENKIN ABHISHEK		2
40	17AG1A0317	KATKURI MANISH REDDY		2
41	17AG1A0336	ANUP SHEARI		2
42	17AG1A0338	A.CHANDRA SEKHAR REDDY		2
43	17AG1A0342	PALADI DILEEP KUMAR		2
44	17AG1A0348	MADINENI RAVITEJA		2
45	17AG1A0353	ANUGU SHIVANADHREDDY		2
46	17AG1A0359	SRAVANTH KUMAR KASOJI		2
47	17AG1A0361	ANKENAPALLY PRANAY		2
48	17AG1A0363	MOHAMMAD SOHAIL		2
49	17AG1A0382	KONDREDDIGARI SAKETH REDDY		2
50	18AG5A0307	DODDI SAI PRAKASH		2
51	18AG5A0311	BABU JALLI		2
52	18AG5A0317	MANTHA MURALIKRISHNA		2
53	18AG5A0320	POTHUGANTI SAI KRISHNA		2
54	18AG5A0327	SYED ZAID NASRUDDIN	TVS SUNDRAM FASTENERS LIMITED	2
55	18AG5A0333	CHADA JASHWANTH REDDY		2
56	18AG5A0345	BHARATH MUDHIRAJ EEGA		2
57	18AG5A0347	M.S.S.RAMSWAROOP		2
58	17AG1A0355	VEMIREDDY VARUN KUMAR REDDY	NISSAN	2
59	17AG1A0356	SHIVANADRI SAI KIRAN	VISTA NEXTGEN	1.8
60	17AG1A0336	ANUP SHEARI	PRATHIRAJ	1.8

61	17AG1A0342	PALADI DILEEP KUMAR	METAL MASTERS Pvt.Ltd	1.8
62	18AG5A0317	MANTHA MURALIKRISHNA		1.8
63	17AG1A0313	RACHAKONDA SATHWIK	CAPARO	1.6
64	17AG1A0319	GARLAPATI RAKESH		1.6
65	17AG1A0324	SUNNAPU RAJU		1.6
66	17AG1A0333	BHUKYA SUMAN		1.6
67	17AG1A0350	SHAGANTI NANDARAJ		1.6
68	17AG1A0352	BADAVATH SANTHOSH		1.6
69	17AG1A0356	SHIVANADRI SAI KIRAN		1.6
70	17AG1A0365	KASHETTI AJAY		1.6
71	17AG1A0371	BHUKYA THARUN KUMAR		1.6
72	17AG1A0374	GOPAGONI PRASHANTH		1.6
73	18AG5A0323	SANANA SAI BALAJI		1.6
74	17AG1A0318	KANDUKURI RUSHI KUMAR		1.6
75	17AG1A0327	SEVELLA ARAVIND		1.6
76	17AG1A0328	HEEREKAR VISHAL	CAPARO	1.6
77	17AG1A0340	EEGA NIKHIL		1.6
78	17AG1A0309	BURUGUPALLY PREM	RESOLUTE STAR PRIVATE LIMITED	1.6
79	17AG1A0311	GURRAM SAIKRISHNA		1.6
80	17AG1A0321	MUTTHANNAGARI DEEKSHITHA		1.6
81	17AG1A0325	DHARANIKOTA ESHWARSAI		1.6
82	17AG1A0337	VIKAS OGGU		1.6
83	17AG1A0351	SANGI NARESH YADAV		1.6
84	18AG5A0304	CHINTHA SHYAMALA		1.6
85	18AG5A0308	DUSSA SAI KRISHNA		1.6
86	18AG5A0309	GAJULA PRASHANTH		1.6
87	18AG5A0310	GOUTE SANDHYA		1.6
88	18AG5A0312	KADARI SANDEEP		1.6
89	18AG5A0316	LENKALAPELLI RAJENDER		1.6
90	18AG5A0332	AMGOTH CHANDULAL		1.6
91	17AG1A0331	BHUKYA KUMAR	RAMTECH	1.4
92	17AG1A0338	A.CHANDRA SEKHAR REDDY		1.4
93	17AG1A0339	SHAIK NAZEER		1.4
94	17AG1A0357	MALLARAPU RAVIKIRAN GOUD		1.4
95	17AG1A0361	ANKENAPALLY PRANAY		1.4

96	18AG5A0301	BACHOLLA NAVEEN		1.4
97	18AG5A0313	KANTHI BHANU		1.4
98	18AG5A0319	PERUMANDLA SRIKANTH		1.4
99	18AG5A0324	Y.HEMANTH	RAMTECH	1.4
100	18AG5A0329	SAMA GIRNI PRAVEEN REDDY		1.4
101	18AG5A0333	CHADA JASHWANTH REDDY		1.4
102	18AG5A0336	GOLLA NARESH YADAV		1.4
103	18AG5A0338	CHAVVAKULA VEERENDRA		1.4
104	18AG5A0339	M.SAI PRAKASH		1.4
105	18AG5A0344	K.NAGARJU		1.4
106	18AG5A0346	MOGULLA SAIKUMAR		1.4

WOMEN'S Day Celebration

International Women's Day (IWD), originally called International Working Women's Day, is celebrated on March 8 every year.[2] In different regions the focus of the celebrations ranges from general celebration of respect, appreciation and love towards women for their economic, political and social achievements

World-renowned feminist, journalist and social and political activist Gloria Steinem. International Women's Day is all about celebration, reflection, advocacy, and action - whatever that looks like globally at a local level. But one thing is for sure, International Women's Day has been occurring for over a century - and is growing annually from strength to strength.

MESA celebrates women's day by arranging Poster presentation & essay writing competition for the students on 8th March 2021.



YOGA DAY CELEBRATIONS

International Day of Yoga, or commonly and unofficially referred to as Yoga Day, is celebrated annually on 21 June since its inception in 2015. An international day for yoga was declared unanimously by the United Nations General Assembly (UNGA). Yoga is a physical, mental and spiritual practice originated in India.



ACE ENGINEERING COLLEGE (ACEEC) celebrated International Day of Yoga in the institute auditorium Hall on June 21. The institute organized a high reaching Yoga demonstration program for the faculty, staff, students and residential members of ACEC.

On 21st June 2021 inaugurated the Yoga day celebration with lighting the lamp and she emphasis the importance of yoga for strengthening our mental and physical ability, increase the body flexibility and reduces stress.

Different Asanas were demonstrated and practiced by all participants. The Secretary, ACEEC observed the International Day of Yoga celebration and also took part in the practical yoga session.

JULY - DEC 2021

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FDP'S ATTENDED

Ms. Mounika Ragamshetty, Assistant Professor, attended FDP on **"Productive Tools in AutoCAD"** organized *ICT Academy* from 12/07/2021 To 16/07/2021

WOKSHOPS

- Department of Mechanical Engineering Organized workshop on **FUSION 360** software for **II Year and III Year students** on 28th October 2021 in collaboration with **ICT Academy Powdered by AUTODESK.**



- Department of Mechanical Engineering Organized **Virtual Practice Session on FUSION 360 software for II Year and III Year students on 07th, 21st & 28th December 2021** in collaboration with ICT Academy Powdered by AUTODESK.



- Department of Mechanical Engineering Organized **Virtual Practice Session on FUSION 360 software for II Year and III Year students on 21st December 2021** in collaboration with ICT Academy Powdered by AUTODESK.



- Department of Mechanical Engineering Organized **Virtual Practice Session on FUSION 360 software for II Year and III Year students on 28th December 2021** in collaboration with **ICT Academy Powdered by AUTODESK.**



FACULTY ACHIEVEMENTS

1. **Ms. Rajita S**, Assistant Professor, has registered a patent with title **“Lateral and Longitudinal displacement measurement of tire cornering stiffness of All Terrain Vehicle using Recursive Least Square technique”** dated on 7 July 2021 granted by Commissioner of Patents, Australian Government-IP Australia.



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