## ISSUE



KSRM College of Engineering

Volume 13

# <u>AKSHARAM</u>

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### **Editoral Board**

Prof. A.Mohan – Director Dr. V.S.S Murthy – Principal Dr. K. Ramesh Rao, Coordinator Sri. U. Pradeep Kumar Miss. V. Sai Neeraja Smt.O.V. Sowmya Sri. A. Uma Shankar Kumar



#### <u>Vision:</u>

KSRMCE seeks to be recognized as one of the best engineering colleges in India in providing high standards of academics with most productive, creative learning environment by inculcating research, innovation thoughts and producing graduates with human values & leadership qualities to serve the nation

#### Mission:

To provide high quality education in Engineering & Technology in order to bring out knowledgeable engineers To creative environment a collaborative environment with stakeholders to take up need-based research and industry specific programmes. To organize co-curricular and extracurricular activities for character and personality development to produce highly competent and motivated engineers and professionals to serve and lead the society.

# Converting Challenges as opportunities.....

### Dear Readers,

Entire Country is facing the challenge of Covid and we gave our best to win over the situation. The remarkable work of faculty, staff and students are highly commendable to over come the challenges and make them as opportunities. This pandemic has taught us various aspects and specially in the mode of teaching learning wherein we have adopted tremendous changes with arise of New Technologies. I am happy that the institute has organized Virtual International Conference ICASET, where in a huge response has been received from the students and faculty members of KSRMCE. I appreciate the efforts of faculty who are continuously striving towards research and we are proud that few our faculty have filed the patents and published their research articles, papers in reputed journals. To have continuous interacting with the industry, our IIIC has signed a few MoUs for the benefit of the Institution. Inspite of this pandemic, I am extremely happy that our regular classwork programme is carried out as per the academic schedule. This shows our faculty's commitment and dedication. The college has taken all the preventive measures and runs the institute with skeleton staff. I am very glad to inform about our faculty who involved in the NBA work, besides pandemic sistuations, soon after the visit of autonomous committee in the month of April, 2021. The sincerity of the faculty members is highly appreciable. I extend my deep condolences to the family members of Dr.G.S.Sreedhar, Principal of KORMCE, our adjacent college. Hoping that all the staff and students are safe at their houses and wish that you keep up the same sprit....



Dr.V.S.S Murthy Principal

INNOVATION DISTINGUISHES BETWEEN A LEADER AND A FOLLOWER -Steve Jobs

KSRM College of Engineering provides a plat forms for all the students to think beyond the classroom and co -relate their technical knowledge to address the community needs. We strongly believe in that if the students are empowered, the nation is enriched.

This pandemic has taught us many things our students have also started to adopt the new technologies and groom themselves as professionals.

We encourage the ideas of the students in order to make them a real innovators and promote the student research activities. We are planning to inaugurate a startup cell at the campus so that the students can start their business and turn themselves from an employee to an employer.....

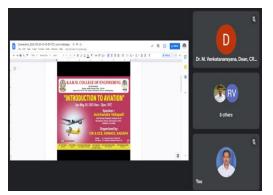


# Insprie .... Innovate .... Incubate ...

KSRMCE sets a platform for groming your ideas in to reality and make you as a real Entrepernur ......

All the time KSRMCE team is highly committed towards the assigned work and I am happy to see a lot of academic and extra curricular activities are taking part in virtual mode during this pandemic situation in the month of May,2021. As quality initiative, I am happy to know that IQAC has started NBA accreditation work in all the departments under the supervision of Dr. Sarvanan Kumar – Dean Academics. I am glad to see ICASET events ended in successful manner. KSMRCE now seeking to build the employers instead of an employee in order to meet the global requirements. A lot of new initiatives in the campus are taken up for making the campus as more student centric. We had also a talk with IBM proposing for a center of excellence at KSRMCE. This pandemic has taught us many things and also loose our co people, we should make our mind strong and take preventive measure to carry forward our life......

## Guest lecture on Introduction to Aviation

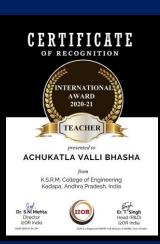


opportunities to secure jobs in multinational companies. This program was organized by Dr.M.V.Narayana, Dean CRI and coordinated by Sri A. Valli Bhasha, Assistant Professor, ECE Department.

#### Prof. Mohan Avula Director

Centre for Research and Innovation and Dept of Electronics and Communication Engineering organized an one hour online guest lecture on "Introduction to Aviation".Sri Avichandra Yallapalii. Intellectual Property Threat Assessment Leader, General Electric (GE), Bangalore, presented this guest lecture. on 30-5-21 11.00am -12.00pm from through online. Around 32 participants joined the Avichandra, the Alumni of meet. KSRMCE during the years 2003-2007 in E.C.E branch, completed M.Tech in Microelectronics from IIT Guwahati in the year 2009. He delivered the various parts built in the flight, latest updates in flight engines. importance of additive manufacturing, digital analytics role..etc. He requests the students to choose the career in aviation engineering. . Further, he suggested to the students to pursue master's degree in reputed institutes like NIT's and IIT's, as there are so many opportunities.





# **Technology Solutions for Non-Profits**

By now, we're well aware that technology is a crucial piece of any nonprofit's operations. From streamlining day-to-day projects to centralizing expansive fundraising campaigns and multifaceted donor stewardship strategies, your nonprofit technology solution can make or break your efforts. Because software is so vital, there is an almost endless number of technology solutions for your nonprofit to sort through as you design an overarching technology strategy that addresses all of your many needs. Whether you're already in the market for a new tool or just assessing your current setup, it's tough to know which nonprofit software providers stand out among all the noise. That's why we've put together a list of some best-in-class technology solutions built to enhance your organization's potential: Blackbaud, Salesforce Double the Donation WordPress, DonorSearch Snowball Fundraising...etc Each platform can impact your nonprofit in a different way, so you might benefit from combining multiple solutions to form one unique fundraising, donor management, and marketing system that helps you achieve every one of your nonprofit goals. But no matter what, make sure you partner with a smart nonprofit technology consultant to maximize the software you use.

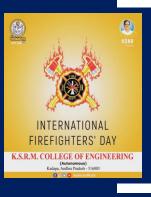
# **The Indic Knowledge Tradition**

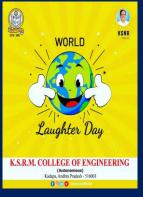
India has always been known as a 'knowledge society'. Derived from the verbal root 'vid' meaning 'to know', the Vedas as 'shruti', are considered the fountainhead of what came to be known as the Indic Knowledge Tradition (IKT, also knowns as the Hindu Intellectual Tradition). According to the tradition, the 'rishis' composed the Vedic hymns, the mantras, out of some outworldly experience-perception. These hymns "were and are always there unchanging beyond our common world of change", according to N Kazanas. Hence the Vedic mantras are called 'nitya' and 'apaurusheya' (eternal and not created by humans). IKT's contribution is immense in almost all fields of intellectual inquiry. For example, physician Sushruta describes rhinoplasty surgery in 600 BCE in his book Sushruta Samhita. Similarly, the so-called Pythagorean theorem first occurs, according to the Fields Medalist mathematician Manjul Bhargava, about 800 BCE in Bauddhayana's Shulba Sutra. The Western world is finally recognizing the fact that the Indian mathematicians had mastered the basic mathematical algorithm of addition, subtraction, and division at least a thousand years earlier than the Europeans. The word 'algorithm' is associated with Al Khwarizmi, who borrowed and translated basic mathematical concepts and texts from India in his book Hisabi-Hind. We also know now that the spread of calculus to the West was through the Kerala School of Mathematics

Source: https://timesofindia.indiatimes.com/blogs/indic-positive/the-indic-knowledge-tradition/

## Days to be observed in the month of May

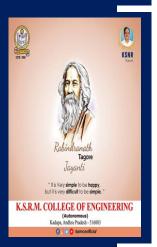
## Tributaries to the Noble Person "The Founder of KSRMCE"







K.S.R.M. COLLEGE OF ENGINEERING (Autonomous) Kadapa, Andra Pradesh - 516003 Kadapa, Andra Pradesh - 516003









Rich tributes were paid to Late Sri. Kandula Obula Reddy, Founder of K.S.R.M College of Engineering in Kadapa on his 34 death anniversary. Smt. K. Rajeswari, Correspondent of KSRMCE and Sri. K. Chandra Obula Reddy, Management Member garlanded the statue of Sri. K. Obula Reddy in the K.O.R.M College premises. Management Member Mr. K. Obula Reddy (Nani) said that youth should take the late leader's life as ideal.Further, he said that his grandfather did great service and was revered as helping man and philanthropist in the Kadapa district. He became popular in establishing the Engineering college for Rayalaseema region people. Sri. K. Rajamohan Reddy, Chairman of the college; Director, Principals of Kandula group of colleges, faculty members and others were present.



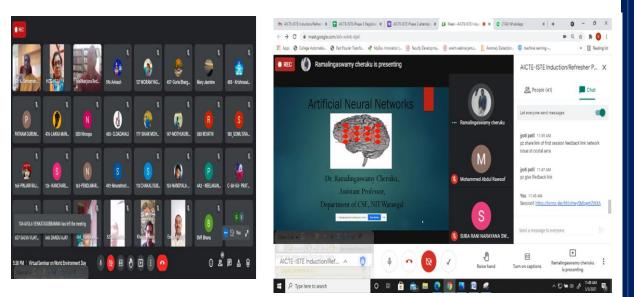






The Department of E.C.E and Centre for Research and Innovation (CRI) organized a 5 day online AICTE-ISTE Induction/Refresher Programme Phase 2 from 3<sup>rd</sup> May – 8<sup>th</sup> May, 2021. More than 46 members attended and successfully completed this Faculty Development Programme. Earlier, the FDP was inaugurated by Sri K. Madan Mohan Reddy, Vice-chairman; Sri K. Chandra obul Reddy, Management member; Prof. A. Mohan, Director; Dr. V.S.S. Murthy, Principal; and Chief Guest Dr. Mukesh A. Zaveri , Professor, Dept. of CSE, NIT Surat, on 5thThe April,2021. Three sessions per day, for 6 days, a total of 18 sessions were successfully conducted with experienced subject experts from reputed institutions like NIT's, Popular private universities, Industry, and in campus faculty.

The sessions were really excellent and enriched the knowledge of the people this FDP will be a key factorial indicator for the faculty members to enrich their subject towards new technologies and adopting themselves as per the insutsry needs.



# Inspiring Personality

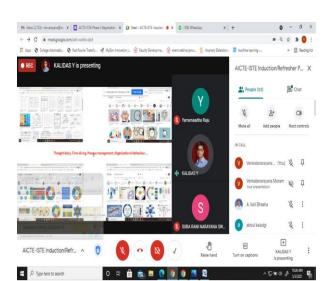


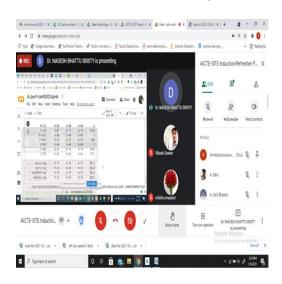
The chief founder of Apple Computer grew up with a strong interest in electronics. Being brilliant a student, he excelled in electronics as he grew up. Starting Apple Computer in 1976 from his family garage when he was just 21 years, he pioneered the introduction of improved technology that can churn out computers which are cheaper, smaller and accessible the to common man.The entire life of Jobs is an epitome to his belief that it is only through great work that one can lead a truly satisfying life One of the most famous Jobs quotes "Stay hungry, is foolish," stay motto that followed him through life

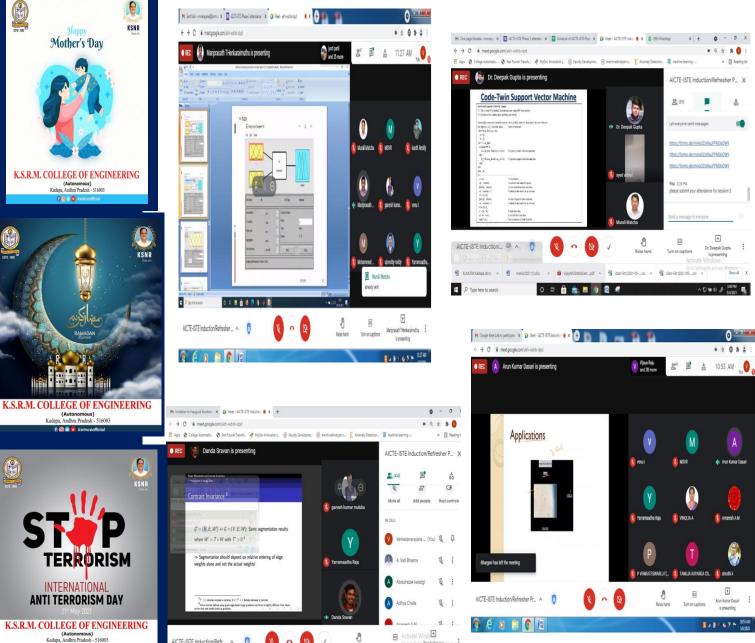
"Have the courage to follow your heart and intuition. They somehow already know what you truly want to become. Everything else is secondary." <u>STEVE JOBS</u>

## Days to be observed in the month of May









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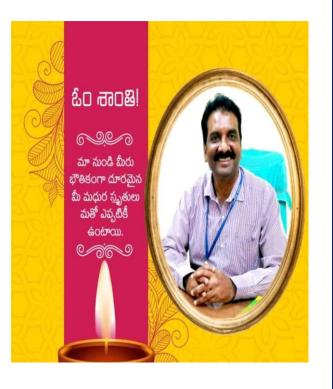
AICTE-ISTE Induction/Refr... ^

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It is great sadness of the sudden demise of Dr. G. Sreedhar. Principal, K.O.R.M College of Engineering. He had been a valued member of our adjacent college staff since he joined the institution and will be missed.

College management member Sri. K Chandra Obula Reddy conveyed his condolences on the demise of Dr. G. Sreedhar who passed away this week. He recalled the services of Dr. G. Sreedhar in various positions and making a mark in all of them in the institution. College management, Director, Prinicpal of Kandula group of colleges, staff and students conveyed the condolences to the members of the bereaved family.



People cannot be replaced but we can only recollect their work, love and affection towards us. This covid has caused a loss to the family of KSRM. In the meeting arraged on this occasion, all the members have recollected and shared their experiences with the noble person.

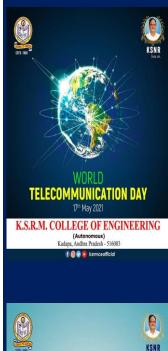
Every one of us prayed towards his peace and convyed the condolences to their family members.



# Days to be observed in the month of May



K.S.R.M. COLLEGE OF ENGINEERING (Autonomous) Kadapa, Andhira Pridsch - 51603





K.S.R.M. COLLEGE OF ENGINEERING (Autonomous) Kadapa, Andhra Pradesh - 516003

### <u>About International</u> <u>Biodiversity Day:</u>

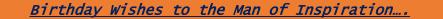
The International Day for Biological Diversity (or World Biodiversity Day) is a United Nations– sanctioned international day for the promotion of biodiversity issues. It is currently held on May 22.

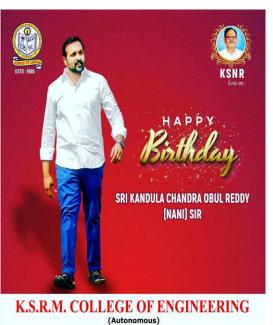
The International Day for Biological Diversity falls within the scope of the UN Post-2015 Development

Agenda's Sustainable Development Goals. In this larger initiative of international cooperation, the topic of biodiversity concerns stakeholders in sustainable

agriculture; desertification degradation and , land drought; water and sanitati on; health and sustainable energy; development; technology science, and innovation, knowledg e-sharing and capacitybuilding; urban resilience and adaptation; sustainable transport; climate change and disaster risk reduction; oceans and forests; vulnerable seas; groups including indigeno peoples; and food us security. The critical role biodiversity in of sustainable development was recognized in a Rio+20 outcome "The World document, We Want: A Future for

All". From its creation by the Second Committee of the UN General Assembly in 1993 until 2000, it was held on December 29 to celebrate the day the Convention on Biological Diversity went into effect. On December 20. 2000, the date was shifted to commemorate the adoption of the Convention on May 22, 1992, at the Rio Earth Summit, and partly to avoid the many other





Kadapa, Andhra Pradesh - 516003

The staff and students of K.S.R.M.C.E celebrated the birthday of college management member young and dynamic personality Sri. K Chandra Obula Reddy on 6<sup>th</sup> of May 2021.

May-2021

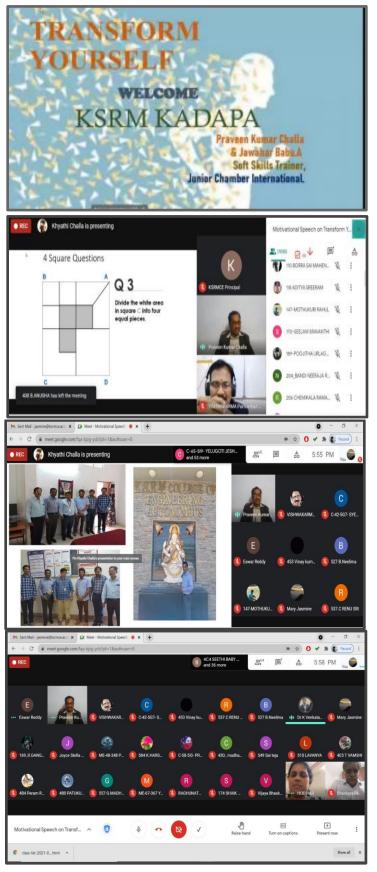
Speaking on the occasion, Director said, the college needs young and dynamic persons like K. Obula Reddy to make the college a role model. He added that, the services of KCOR for the institution were matchless. All the staff members and students conveyed birthday wishes to Sri. K. Chandra Obula Reddy on this occasion.

Our Alumni are socially responsible ... KSRMCE taught them ethics & moral values:

K.S.R.M Alumni (1986-90) batch came forward to help the needy persons in the hospital, Hyderabad by donating grocery items to the attendants and patients in the hospital. The food items supplied by the alumni of KSRMCE meant for patients and people facing penury and deprivation in the hospitals, as economic activity came to a grinding halt during the lockdown in the backdrop of the second wave of the Coronavirus outbreak. The alumni handed over the grocery bags to all the needy people in the hospital, Hyderabad. College management appreciated the alumni of KSRMCE and their effort during the Corona Second wave pandemic on this occasion.



# Lecture on TRANSFORM YOURSELF



The key to success lies in selftransformation" – A virtual seminar on "Transform Yourself" was organized by the Department of Humanities and Sciences KSRMCE, Kadapa on 25<sup>th</sup> May, 2021 from 4:30 pm to 6:00 pm. The aim of the seminar was to bring transformation in all walks of students' lives. The chief guest of the programme was Sri. JC Praveen Kumar Challa, Correspondent and secretary of Sri Rajeshwara Educational Institutions, Godavarikhani. He presented lots of information on how one can transform oneself or himself/herself. Sri. Jawahar, the guest of Honour, spoke to the students on SWOT analysis. Dr. V.S.S. Murthy, the Principal, advised the students to transform themselves for their betterment in life. Dr. I. Sreevani. HoD. H&S and Convener of the event, addressed the students on the importance of transformation in everyone's life. Sri. N. Bhaskara Reddy, Assistant Professor, English, stressed on the need of the hour to transform oneself. The seminar was successful with the gracious presence of the above dignitaries. Around 250 students attended the virtual seminar. Professor. Mrs. Jasmine. Asst. Department of Humanities and Sciences hosted the programme nicely. sThe seminar ended with the vote of thanks conveyed by Sri. K. Eswara Reddy, Asst.Professor and Coordinator of the programme

National Technology Day

National Technology is celebrated every year on May 11th to highlight achievements of Engineers and scientists field the of in Technology and science. On 11th May 1998, India successfully fired Shakti-1 nuclear missile at the Indian Army's Pokhran Test Ranges in Rajasthan in an operation led by aerospace engineer and late president Dr. APJ Abdul Kalam. Two days country later, the successfully tested two more nuclear weapons. After these two tests then Minister Prime Atal Bihari Vajapayee declared India a nuclear state, making it the sixth country to join the 'nuclear club' of nations. Hence, since 1999, May 11th has been celebrated as 'National Technology day'. Every year, this day is celebrated with a series of invited lectures.

# National technology day theme2021:

This year's theme is "Science and Technology for a Sustainable Future". Last vear's theme was Rebooting the Economy through Science, Technology and Research Translations' or 'RESTART'.





## Webinar on "Current Trends in Information Technology"

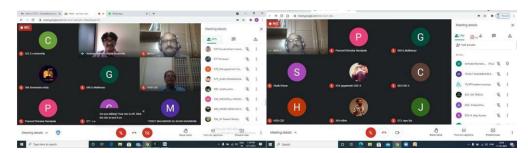
On the occasion of National Technology Day, the department of CSE conducted a webinar on "current trends in Information Technology". Sri. M. V. S. Prasad, Senior Project Manager, Infosys, Hyderabad attended this webinar as the resource person.

The webinar started at 1p.m. on google meet platform. The faculty members and the students from 3rd & 4th year, attended this webinar. Sri. N. J. Pramod Dinakar, Assistant Professor, welcomed the faculty, students and Sri. M. V. S. Prasad.

Prof. M. Sreenivasulu, HOD CSE, in his speech on the occasion, highlighted the importance of National Technology Day. He described the technology developments in the Computer Science and Engineering and Information Technology fields. He insisted the students should focus attention on new technologies and try to inculcate new applications in their minds which are essential to the society.

Prof. B.V. Ramana Reddy, Professor in CSE and also Coordinator of the event introduced resource person Sri. M. V. S. Prasad, Senior Project Manager, Infosys, Hyderabad. In his brief speech, he outlined technology developments in the IT field.

The resource Sri. M.V.S. Prasad, greeted the students and faculty on occasion of "National Technology". In his speech, he mentioned various developments that took place in the Computer and IT fields prior to 1995, from 1995 to 2015 and from 2015 to 2020 respectively. Further, he explained a few developments that are expected to take place in 2021. At the end of his speech, he gave a detailed account on the latest developments in the IT field which includes BlockChain Technology, Cyber Security, AI & ML, Big Data Computing, IOT, Edge Computing, Quantum Computing and their importance and applications. He wished all the faculty and students to update the latest technologies.Sri. Khaja Khizar, Assistant Professor, expressed vote of thanks at the end of the programme.





KSRM College of Engineering has hosted for the second time a two-day International Conference on Advances in Sciences, Engineering and Technologies (ICASET) in collaboration with Institute For Engineering Research and Publication (IFERP), Chennai on 21st and 22nd May,2021.

Sri K. Madan Mohan Reddy, Vice-chairman, Sri K. Chandra Obul Reddy, Management Member of KSRMCE, Prof. A. Mohan, Director; Dr.. V.S.S. Murthy, Principal; Prof. C.D.Naidu, Principal, VNRVJIET, Hyderabad and chief guest of the today's event; Prof. Moshe Vardi,Rice University Texas, United States; Prof. Dr. Ernesto Damiani,Professor, University degli Studi di Milano, Italy; Guest of Honour: Mr.Siddharth Kumar Chhajer, Founder, Managing Director, IFERP, Chennai; HoD's of various departments, colleagues, and participants, were attended in inaugural function of a two day International conference held on Advances in Sciences, Engineering and Technologies on 21-5-21 from 9.30 a.m. to 11.15 a.m. ICASET-21 is dedicated to Prof. A. Mohan, Director, Kandula group of Institutions. 190 papers were received, 120 abstracts accepted and 90 papers registered in this conference. The registered papers have been divided into six sessions, conducting 4 sessions on Day-1 and 2 sessions on Day-2 respectively.

Day 1 Presentations at ICASET-21

Session 1 : CSE/ECE Papers

Dr. Anil Kumar Vuppala, Associate Professor, ECE, IIIT, Hyd., delivered the keynote address and acted as a session chair for session 1 on 21-5-2021 from 11.30 am - 1.50 pm. Dr. S. Zahiruddin, Assistant Professor, ECE and Sri K. Pavan Kumar, Assistant Professor, ECE did their job as the coordinators to moderate and monitor the session 1.

Session 2 : Civil Engineering

Dr. B. Sudharshan Reddy, Professor, Dept of CE, MREC (Autonomous), Secunderabad., delivered a keynote address and acted as a session chair for session 2 on 21-5-2021 from 11.30 am -2.50 pm. Sri P. Rajendra Kumar, Assistant Professor, CE and Sri. I. Srinivasula Reddy, Assistant Professor, CE are the coordinators to moderate and

#### Session 3 : ME/Management/Biotechnology

Dr. M. Ravi Shankar, Associate Professor, ME, IIT, Tirupati, delivered the keynote address and acted as a session chair for session 3 on 21-5-2021 from 12.00 pm - 3.00 pm. Dr. P. Bhanu Prakash, Assistant Professor, ME & CRI Member and Dr. D. Babu, Associate Professor, ME & CRI Member have done their duties as the coordinators to moderate and monitor the session 3.

#### Session 4 : EEE/ECE

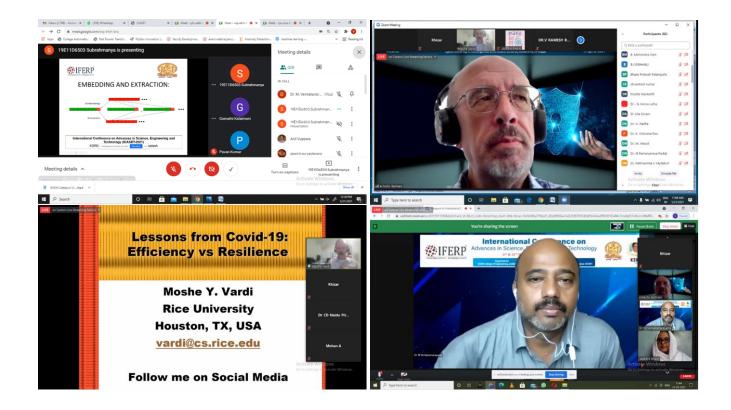
Dr. Sreedhar Madichetty, Senior Research Scientist, Trinity college, Dublin, delivered the keynote address and acted as a session chair for session 4 on 21-5-2021 from 1.00 pm – 4.00 pm. Dr. T. Mariprasath, Associate Professor, EEE & CRI Member and Sri P. Durga Prasad, Assistant Professor, EEE acted as the coordinators to moderate and monitor the session 4. Day 2 Presentations at ICASET-21

Session 5 : CE Papers

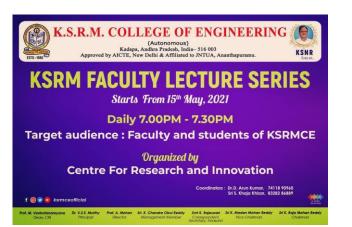
Dr. B. Janaki Ramaiah, Assistant Professor, Dept of CE, IIT, Tirupati, delivered the keynote address and acted as a session chair for session 5 on 22-5-2021 from 10.00 am - 2.30 pm. Sri P. Rajendra Kumar, Assistant Professor, CE and Sri. I. Srinivasula Reddy, Assistant Professor, CE took part in the programme as the coordinators to moderate and monitor the session 5.

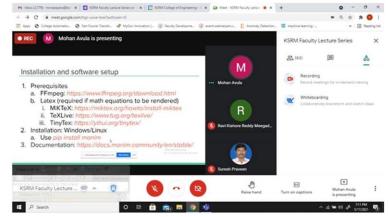
Session 6 : Physics/Maths/Chemistry

Dr. M.V. Sankar, Prof. and Head, Dept of Materials Science and Nanotechnology, Yogi Vemana University, Kadapa delivered the keynote address and act as a session chair for session 6 on 22-5-2021 from 10.00 am – 2.30 pm. Sri S. Khaja Khizar, Assistant Professor, CSE & CRI member and Smt. M. Mary Jasmine, Assistant Professor, H & S, completed the event as the coordinators to moderate and monitor the session 6.



# KSRMCE FACULTY LECTURE SERIES





Centre for Research and Innovation (CRI) has started a Faculty lecture series in order to ensure that the eminent faculty of KSRM College of Engineering to teach the contents beyond curriculium. CRI has planned various sessions across all the departments, started from 15<sup>th</sup> of May, 2021. Where in every faculty is assigned to take up a session on the latest technology or on the current trends in Engineering wing.

These sessions will really boost up the young minds of the KSRMCE and also prepare them to inculcate the research taught to each and every student of KSRM college of engineering. This will also enhances the knowledge of our faculty and think beyond their class rooms.

Heads of all departments will ensure that the senior faculty will take a session every week. This is the most unique practice in the institution among the faculty and this also helps to promote the inter displanary research activities in the campus.

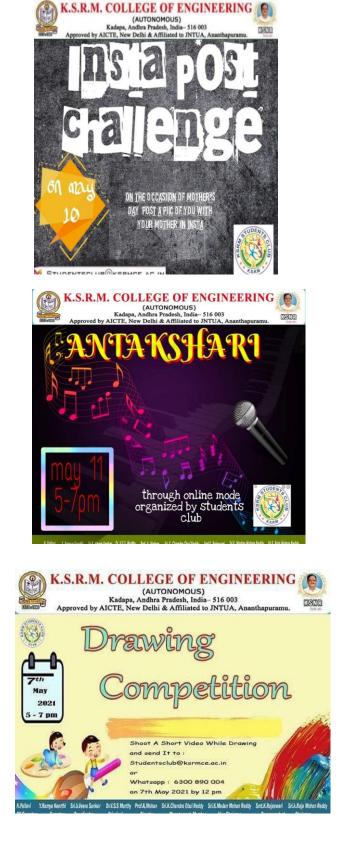
This covid pandemic had really helped us in one way to connect in the online besides our class hours. Without disturbing the academic schedule, we have been organizing these series of events for the benefits of the students and faculty of KSRMCE.

This would be continued even after the post covid for the benefits of the students as well as our faculty to improve their skills apartfrom curiculium.

CRI organized a series of lectures taken by the college faculty to all the students and the staff every day on different and interesting topics. Dr. M.Venkata Narayana, Dean and Dr. Arun kumar hosted the event regulary. . Every day one faculty member engages a lecture for 30 minutes. At the end of the lecture, the participants are given permission to raise doubts and gets clarifications form the speaker. In the month of May, this event has been started and going on smoothly and successfully.

# Student's Club Activities







# Students' corner

STUDENTS' CLUB is planning to conduct various events In the name of "MAY-XPLORE" in the month of May through Zoom App {from 1-05-2021 to 31-05-2021}

Students' club has fascinatingly planned to organize various activities in the name of May-'x'plore till the end of May month through ZOOM App to encourage the student's interaction and their participation under the mastership of Sri. B. Veera Sankar, Asst. Professor, Department of Humanities and Sciences and Coordinator of the Students' club

"May-Xplore" event organizers will announce a different topic everyday and invite the students by sending a link through the zoom app. For the completion of this event successfully throughout the month, the members of the student's club categorized into four groups ahead of Miss. Ramya, a Secretary of the club. Events are conducted every day between 5p.m and 7p.m without disturbing the regular class work. Students from all branches are permitted to register and participate freely and showcase their talent in all the organized events.

# JAM event

Students' club has organized a JAM event on 2nd May, 2021 from 5p.m to 7 p.m. through online mode to bring out the students' interactive skills and prepare them to participate in the JAM Session freely. Sri. B. Veera Sankar, Asst. Professor, Department of Humanities and Sciences and Coordinator of the Students' club guided the students at every step in the event.

Jam session has been conducted under the surveillance of BABU PRASAD and his TEAM. All Engineering students have enthusiastically participated in the event. They have covered various interesting topics in the session. At the end, a maximum number of the students have overcome their stage fear. "VANDHANA" from 1st MECH, "NAVEENA" from 2nd ECE and "CHANDRA LEKHA" from 1st ECE stood as the winners of this JAM event. Every member of the students' club put good effort in making this event as a successful one.

# Create awareness and avert the fear from the minds of the students that caused due to CoronaVirus

The world is experiencing the worst phase due to a virus called "COVID-19" for two years . It has affected the peaceful life of every human being . Now we are going to face the 3rd wave of this pandemic. We, the students of College STUDENTS' CLUB of KSRMCE took an initiative step to create awareness and avert the fear from the minds of the students that caused due to CoronaVirus, planned to conduct a workshop on covid-19 and also make an interactive session with the Doctor Yashovardhan M.D. for clarifying their doubts on COVID-19.

Dr. Yashovardhan, M.D. Transfusion medicine, joined the students at the scheduled time to interact with all the students. Further, he suggested some precautions that are needed and to be followed for the next wave of coronavirus. This event was hosted by Miss. NITHYA SREE. This event was conducted on May 16 from 5 p.m to 6 p.m through google meet. Students showed much enthusiasm in participating in the session and interacted with the doctor freely. Around 88 students took part in the programme.

# FACULTY ACHIEVEMENTS

- Sri. S. Khader Vali, faculty of E.E.E, has participated in One Week Online Faculty Development Program on "*Research Paper Writing*", organized by KG Reddy College of Engineering & Technology, Moinabad during 10.05.2021 to 15.05.2021.
- Sri. M. Bhaskara Reddy, Dr. M. Murali Associate Professors, and CH. Hussain Basha Assistant Professor, E.E.E department, participated in a three day workshop on *"Research Challenges in Electrical Power and Energy"*, organized by Department of EEE, SVCE, Tirupathi during 10.05.21 to 12.05.21.
- Sri. CH. Hussain Basha, Assistant Professor, E.E.E department has completed successfully a one month course on "PBL course – an introductory course on Problem Based Learning in Higher Education (version 1 – June 2017)", Conducted by Aalborg Centre for Problem Based Learning in Engineering Science and Sustainability under the auspices of UNESCO during 01.05.21 to 29.05.21
- Dr. M. Murali, Associate Professor, acted as the Co-coordinator for One Week AICTE-ISTE Refresher Program (FDP Phase – III) on "*Machine Learning for All*", organized by Department of E.C.E & CRI, KSRMCE, Kadapa during 03.05.2021 to 08.05.2021.
- Dr. T. Mari Prasath, Associate Professor, Sri. P. Durga Prasad, T. Kishore Kumar, G. Hussain Basha, K. Kalyan Kumar and N. Siddhik, Assistant Professors, E.E.E. department published an *Indian patent* with Application No. 202141019605 on "*Green Energy Generation System with Gas & Mechanical Elements*" on 30.04.2021.
- Dr. K.Amaresh, Professor & HOD and Dr. M. Murali, Associate Professor, E.E.E department, published an Indian Patent with Application No. 202111020987 on "A Novel system for interfacing the artificial intelligence with Distributed Smart Grids" on 14.05.2021.
- Dr. T. Mariprasath, Sri. K. Kalyan Kumar, Smt. Saleha Tabassum and K. Rama Mohan Reddy, fraternity of E.E.E presented a paper on *"Power Quality Enhancement on Distribution System using UPQC"* in International Conference on Advances in Science, Engineering and Technology (ICASET-2021), organized by KSRM College of Engineering, Kadapa on 21.05.21 &22.05.21.
- Sri. K. Rama Mohan Reddy, Sri. N. Siddhik, Smt. A. Jyothirmayi and Sri. K. Kalyan Kumar, faculty of E.E.E presented a paper on "Analysis of Microgrid System with Photovoltaic Array" in International Conference on Advances in Science, Engineering and Technology (ICASET-2021), organized by KSRM College of Engineering, Kadapa on 21.05.21 & 22.05.21.
- Sri.S. Khadar Vali, Dr. M. Murali and T. Naresh, faculty of E.E.E published a paper on "*Enhancement in the Quality of Power of a Grid Tied Solar PV System using Recursive Digital Filter Based Control*" in the 2<sup>nd</sup> International Conference on Advances in Science, Engineering and Technology (ICASET 2021) held during 21.05.21 & 22.05.21, organized by KSRM College of Engineering, Kadapa, in association with IFERP.
- Sri. CH Hussain Basha, Dr. T. Mariprasath and Dr. M. Murali, fraternity of E.E.E published a paper on "An *Experimental Analysis of Degradation of Cellulosic Insulating Material Immersed in Natural Ester Oil for Transformer*" in the 2<sup>nd</sup> International Conference on Advances in Science, Engineering and Technology (ICASET 2021) held during 21.05.21 &22.05.21, organized by KSRM College of Engineering, Kadapa, AP in association with IFERP.
- Sri. C. Kumar Reddy & Dr. K. Amaresh, faculty of E.E.E published a paper on "A Novel Reference Current Extraction Technique with Two-Step Horizon Optimal Switching Vector - Model Predictive Control for Shunt Active Filter" in the 2<sup>nd</sup> International Conference on Advances in Science, Engineering and Technology (ICASET - 2021) held during 21.05.21 &22.05.21, organized by KSRM College of Engineering, Kadapa, AP in association with IFERP.
- Dr.V.Sathiya Moorthy, faculty of MED, has Published a Scopus Indexed Journal titled "Experimental investigation of process parameter influences of electrochemical micro machining process on al metal matrix composite in the Journal of Huazhong University of Science and Technology on May 2021, Vol. 50, Issue. 3 pp.1-7, ISSN-1671-4512.

- Dr. M. Murali, CH. Hussain Basha and Dr. K. Amaresh, faculty of E.E.E published a paper on "Design and Analysis of Neural Network based MPPT Technique for Solar Power based Electric Vehicle Application", in the 4<sup>th</sup>International Conference on Inventive Material Science and Applications (ICIMA-2021) held during May 14-15, 2021, Organized by PPG Institute of Technology. Coimbatore, TN in Advances in Sustainability Science and Technology, Springer (Book Chapter).
- Dr. M. Murali, CH. Hussain Basha, P. Akram and T. Naresh published, faculty of a paper on "Performance Analysis of Different Types of Solar Photovoltaic Cell Techniques using MATLAB/Simulink", in the 4<sup>th</sup>International Conference on Inventive Material Science and Applications (ICIMA-2021) held during May 14-15, 2021, Organized by PPG Institute of Technology. Coimbatore, TN in Advances in Sustainability Science and Technology, Springer (Book Chapter).
- Sri. CH Hussaian Basha, Sri. P. Akram, Dr. M. Murali, Dr. T. Mariprasath, and T. Naresh, faculty of E.E.E published a paper on "Design of an Adaptive Fuzzy Logic Controller for Solar PV Application with High Step-Up DC-DC Converter", in the 4<sup>th</sup>International Conference on Inventive Material Science and Applications (ICIMA-2021) held during May 14-15, 2021, Organized by PPG Institute of Technology. Coimbatore, TN in Advances in Sustainability Science and Technology, Springer (Book Chapter).
- Sri. K.Kalyan Kumar, Asst. Professor, E.E.E. department has been appointed as a **text translator** to translate a part of **"Basic Electric Circuits"** course lectures by **NPTEL**, **IIT**, Madras.
- Sri. Rajendra Kumar. P, Assistant Professor, Dept of CE,KSRMCE presented a lecture on "Phase 2 software for tunnel design", as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Sri Y. Prasad Reddy, Dept of CSE, KSRMCE presented a lecture on "Introduction to Big Data", as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr M. Murali, Associate Professor, Dept of EEE presented a lecture on "Power System Optimization", as a part of KSRM Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr. D. Arun Kumar, Associate Professor, Dept of ECE & CRI Member,KSRMCE presented a lecture on "Google Earth Engine in Python", as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr. S. L. Prathap Reddy, Associate Professor, Dept of ECE, KSRMCE presented a lecture on "Introduction To Wireless Communication And Networks", as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr.G. Sreenivasa Reddy, Professor, Dept of CE presented a lecture on "Art of Living", as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr.A.Saravana Kumar ,Dr.A.Sathiya Moorthy,Sri.A.Hari Krishna and J.Suresh Babu; fraternity of Mechanical Engineering Department presented a paper titled "Optimization of cutting zone temperature in Machining of Magnesium Alloy Using Taguchi Method in the 1 st International Conference on Technology Innovation in Mechanical Engineering" (Time-2021) organized by Department of Mechanical Engineering, sagar Institute of science & Technology, Gandhi Nagar,Bhopal,India During 10<sup>th</sup>-11<sup>th</sup> May 2021
- Dr.V.Sathiya Moorthy faculty of M.E.D Has Published a Scopus Indexed Journal titled "Motorcycle Helmet with Air-Filtration System for prevent human respiratory systems in the Journal of Huazhong University of Science and Technology on May 2021, Vol. 50, Issue. 3 pp.1-6, ISSN-1671-4512.
- Dr.V.Sathiya Murthy, Asso.Professor in Mechanical Department has Published a Book Chapter "Artificial Fish Swarm Algorithm Driven Optimization for Copper-Nanoparticles Suspended Sodium Nitrate Electrolyte Enabled ECM on Die Tool Steel" in *Futuristic Trends in Intelligent Manufacturing*, springer series, pp 47-60 on 01-june-2021, Online ISBN 978-3-030-70009-6, Print ISBN 978-3-030-70008-9

- Dr. I.Sreevani, Associate Professor, Dept of H & S, KSRMCE presented a lecture on "Green Technology", as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr. K. <u>Ramesh Rao</u>, Assistant Professor, Dept of H & S, KSRMCE presented a lecture on "*Personality Development and Soft Skills*", as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr. V. Giridhar, Professor, Dept of CE,KSRMCE presented a lecture on "Basic needs for construction of Residential building", as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr.T. Mariprasath, Associate Professor, Dept of EEE & CRI Member, presented a lecture on "Demand side Management using Deep Neural Network" as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Dr. K. Ravikanth, Professor and HOD, Dept of ME,KSRMCE presented a lecture on "Basic manufacturing" as a part of Faculty Lecture Series, organized by Centre for Research and Innovation
- Sri A. Ramprakash Reddy,Assistant Professor, Dept of CSE,KSRMCE presented a lecture on "Human values and Ethics" in KSRM Faculty Lecture Series, organized by Centre for Research and Innovation on 24th May, 2021
- Dr. A. Ram Prakash Reddy and Sri. Y. Bhaskar Reddy, faculty of C.S.E Published a journal entitled "Preventing interface detection in multi tier Cyber security applications" on 5th May, 2021 in IJERT.
- Sri. K. Eswar Reddy, Asst. Professor, Humanities and Sciences department, has participated in the webinar "Designing a Robust and Transparent Educational Process Using Global Education Standard" on 26th May 2021 organized by ISDE Academy INDIA PRIVATE LIMITED FACULTY OF ALLIED HEALTH SCIENCES Vinayaka Mission's Research Foundation [DU]
- Dr. K. Ramesh Rao, Asst. Professor, Humanities and Sciences department, has participated in the webinar "Designing a Robust and Transparent Educational Process Using Global Education Standard" on 26th May 2021 organized by ISDE Academy INDIA PRIVATE LIMITED FACULTY OF ALLIED HEALTH SCIENCES Vinayaka Mission's Research Foundation [DU]
- Sri. K. Eswar Reddy, Asst. Professor, Humanities and Sciences department, has participated and successfully completed in the two day International webinar on Colonialism -21 organized by Department of English, Immaculate College for Women, Viriyur on 21st and 22nd May, 2021.
- Dr. K. Ramesh Rao,Asst. Professor, Humanities and Sciences department, has participated and successfully completed in the two day International webinar on Colonialism -21 organized by Department of English, Immaculate College for Women, Viriyur on 21st and 22nd May, 2021.
- Dr.Bhanu Prakash, Dr.D.Ravi Kanth ,Hod MED, Sri Merwin Rajesh, Faculty of Mechanical Department presented a research paper titled"Än Moora and WASPAS Methods Application for Optimal Material Selection From Aluminum Graphene Nano Platelets Composites .It has awarded as <u>Best research</u> <u>paper</u> in ICASET-2021 organized by KSRM College of Engineering, Kadapa, Andhra Pradesh on 21 & 22 May 2021
- Dr.Babu Dharmalingam, Dr, V.Sathiya Murthy, Sri K.Suresh Kumar, Sri U.Pradeep Kumar; faculty of Mechanical Department, presented a research paper titled" An Experimental Investigation on combustion Behavior of Moringa oleifera BioDiesel-Diesel-Carbon Black Water Emulsion Blends in Agricultural Diesel Engine" in ICASET-2021 organized by KSRM College of Engineering, Kadapa, Andhra Pradesh on 21 & 22 May 2021
- Dr.Babu Dharmalingam, Dr.P.Sreenivas, Sri.A.Hari Krishna, Sri.J.Suresh Babu; faculty of Mechanical Department, presented a research paper entitled *Experimental Investigation on GreenHouse Emissions Reduction in Diesel Engine Fuelled With Moringa oleifera Biodiesel-Diesel-Carbon Black Water Emulsion Blends*" in ICASET-2021 organized by KSRM College of Engineering, Kadapa, Andhra Pradesh on 21 & 22 May 2021.
- Dr.V.Sathiya Moorthy, faculty of MED, has published a Scopus Indexed journal titled "Investigation on mechanical properties of natural Fibres reinforced polymer composites in the Journal of Huazhong University of Science and Technology on May 2021, Vol. 50, Issue. 3 pp.1-9, ISSN-1671-4512

- Dr.V.Sathiya Moorthy Asso.Professor in Mechanical Department has *Published a patent "An Efficient Portable solar powered seed sowing Machine* Dated:12/02/2021Application Number:202141004698
- Dr.V.Sathiya Moorthy Asso.Professor in Mechanical Department has Published a patent "Smart Contact Lens For Monitoring Glucose and Eye Pressure dated 12-03-2021 Application Number:202141009032 A.
- Dr A.Saravana Kumar, Professor, M.E.D, has participated in a one week online *faculty development programme on "Advanced applications in composite materials"* organized by Department of Mechanical Engineering. Vel Tech Dr Rangarajan Dr Sakuntala Engineering college, Avadi Chennai from 17 -05- 2021 to 22-5- 2021
- K.Suresh Kumar, Assoc Professor. Department of Mechanical Engineering, has participated in a one week online faculty development programme on "Advanced applications in composite materials" organized by Department of Mechanical engineering. Vel Tech Dr Rangarajan Dr Sakuntala Engineering college, Avadi Chennai from 17 -05- 2021 to 22-5- 2021
- Dr.V.Sathya Murthy, Assoc Professor, Department of Mechanical Engineering, has participated in a one week online faculty development program on "Advanced applications in composite materials" organized by Department of Mechanical engineering. Vel Tech Dr Rangarajan Dr Sakuntala Engineering college, Avadi Chennai from 17 -05- 2021 to 22-5- 2021
- Dr.V.Sathya Murthy, Assoc Professor, Department of Mechanical Engineering, has participated in one day Workshop on CFD FUNDAMENTALS-THEORY AND PRACTICE organised by Department Mechanical Engineering, SSN College of Engineering on 18 May 2021.
- Dr.P.Sreenivas, Asst Professor, Department of Mechanical Engineering, has participated in one week online faculty development programme on "Advanced applications in composite materials" organized by Department of Mechanical engineering. Vel Tech Dr Rangarajan Dr Sakuntala Engineering college, Avadi Chennai from 17 -05- 2021 to 22-5- 2021
- Dr.P.Srinivas, Asst Professor, Department of Mechanical Engineering, has Participated in Six Online Faculty Development Programme on "Recent Innovations in Design and Manufacturing" organized by Department of Mechanical Engineering, Malla Reddy College of Engineering, Hyderabad from 24 -05-2021 to 29-05-2021
- Sri.S.Vijay Kumar, Department of Mechanical Engineering, Asst Professor has participated in a one week online *faculty development program* on *"Advanced applications in composite materials"* organized by Department of Mechanical engineering. Vel Tech Dr Rangarajan Dr Sakuntala Engineering college, Avadi Chennai from 17 -05- 2021 to 22-5- 2021
- Sri.S.Vijay Kumar, Asst Professor, Department of Mechanical Engineering, has participated in aSix day Online *Faculty Development Programme* On "*Recent Innovations in Design and Manufacturing*" Organized by Department Of Mechanical Engineering, Malla Reddy College of Engineering, Hyderabad from 24 -05-2021 to 29-05-2021
- Sri U.Pradeep Kumar, Asst Professor, Department of Mechanical Engineering, has participated in a one week online *faculty development programme* on *"Advanced applications in composite materials"* organized by Department of Mechanical engineering. Vel Tech Dr Rangarajan Dr Sakuntala Engineering college, Avadi Chennai from 17 -05- 2021 to 22-5- 2021
- Sri. U.Pradeep Kumar, Asst Professor, Department of Mechanical Engineering, has participated in a Six days Online Faculty Development Programme on "Recent Innovations in Design and Manufacturing" Organized by Department Of Mechanical Engineering, Malla Reddy College of Engineering, Hyderabad from 24 -05-2021 to 29-05-2021
- Sri.K.Suresh Kumar Assoc.Prof, Department of Mechanical Engineering has Participated in the online webinar on "Data science approach for Mechanical Engineering organized by Department of Mechanical Engineering, Vigan institute of Technology and Science,
- Dr.P.Sreenivas, Asst.Professor, Department of Mechanical Engineering has Participated in the online webinar on"*Data science approach for Mechanical Engineering* organized by Department of Mechanical Engineering, Vigan institute of Technology and Science

## Achievements by the students

- Mr. M. Anil a student of B. TechVI Semester successfully completed a 30 day *internship* on "*Master Class on MATLAB/SIMULINK*", at Pantech Prolabs India Pvt. Ltd. from 22.04.21 to 21.05.21.
- Mr. S. M. Khaja Moinuddin, a student of B.TechVI Semester participated in "*The Guiness World Record Event* – Most users take Online Computer Programming Lessons in 24 Hours", organized by GUVI during 24.04.21 to 25.04.21.
- ➢ Ms. Y. Swapna is a student of B. TechVI Semester successfully completed "*Master Class on FPGA*", at Pantech Prolabs India Pvt. Ltd. from 19.04.21 to 12.05.21.
- Mr. K. Khalendar, a student of B.Tech., VI Semester successfully completed Six Hours of "Learn Python for Data Science A-Z : Version 5.9" conducted by Udemy on 01.05.2021.
- Ms. Y. Swapna, a student of B. TechVI Semester successfully completed "Master Class on Machine Learning ", at Pantech Prolabs India Pvt. Ltd. from 03.05.21 to 07.05.21.
- Mr. K. Khalendar & Ms. Y. Swapna students of B.TechVI Semester successfully completed "Master Class on Electrical Vehicle Design using MATLAB", at Pantech Prolabs India Pvt. Ltd. from 03.05.21 to 07.05.21.
- Mr. K. Khalendar & Ms. Y. Swapna students of B.TechVI Semester successfully completed Five Hours of Online Course on "Cyber Security A-Z: Master Class Course for Non Techies" conducted by Udemy on 04.05.2021.
- Ms. Y. Swapna, a student of B.Tech VI Semester successfully completed Four Hours of "Beginners Guide to Android App Development" conducted by Udemy on 05.05.2021.
- Ms. Y. Swapna, a student of B.TechVI Semester successfully completed 3.5 Hours of Online Course on "Machine Learning & Deep Learning in Python & R" conducted by Udemy on 05.05.2021.
- Ms. Y. Swapna, a student of B.TechVI Semester successfully completed 5.5 Hours of Online Course on "Natural Language Processing Real World projects in Python" conducted by Udemy on 06.05.2021.
- Ms. Y. Swapna, a student of B.Tech., VI Semester successfully completed One Hour of Online Course on "HTML" conducted by Udemy on 06.05.2021.
- Mr. K. Khalendara, a student of B.Tech., VI Semester successfully completed Two Hours of "Information Security Principles – An Awareness Training" conducted by Udemy on 11.05.2021.
- 13. Mr. M. Anil & Y. Swapna, students of B.Tech., VI Semester participated in the International Webinar on "Intelligent Robotic Process Automation" organized by Technology Centre for Robotic Process Automation

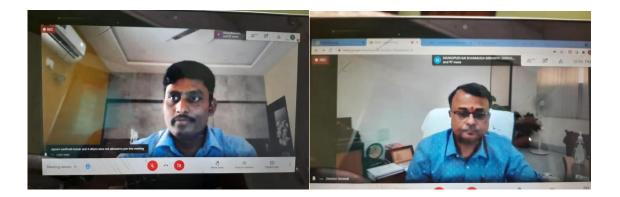
# **KSRM IN MEDIA**



Our Aulmni donated needy things to the private school teachers & faculty members of other insititutions and it was covered in the press



Every year 22<sup>nd</sup> of May is observed as International Biological Diversity Day. The institute celebrates every year Intenational Biological Diversity Day by organizing various awareness campaigns. This year KSRM College of Engineering has collaborated with the ENVIS – HUB & RP, Environmental ProtectionTraining & Research Institue, Government of Telangana by organising a webinar on the theme. Sri. Adhar Singh IAS, Special Chief Secretary to the Government, Director General of EPTRI has attended the summit as the chief guest. from Around 20 institutions across the country have participated in this campaign. Mr. Sailue hasparticiapted as another resource person for the event. Dr. M.Suneela Scientist and Head ENVIS – EPTRI & Mr. A. Uma Shankar Kuamr – Asst. Dean of KSRM College of Engineering has been the moderators of the event. This session has enlightend the young minds on the importance of biological diversity and its conservation for the next gernaerations. The Director General has laugched the logo YEC during the event.



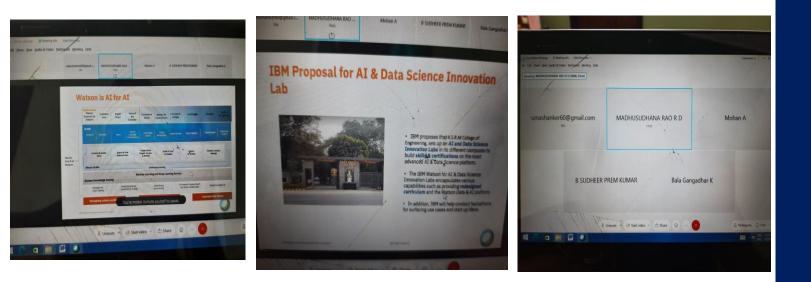


As part of industry collabrations and also make our students ready for industry the KSRM College of Engineering has started to extend MoU's with various industries for the benefit of our faculty members and students. We organise joint certificate programs, consultancy activities and also collabrative research.

The Director and the Principal of KSRM College of Engineering ; Asst. Dean of IQAC of KSRM College of Engineering and Sri. Madhu, South Asian Manger from IBM, Bala from IBM Educational Partner Andhra Pradesh.

The meeting mainly focuses to have a tieup with IBM company and ensures a proper quality of education is provided in terms of new technology to our students and also train our faculty members on the same. This collaboration will enrich the courses offered at KSRMCE and also the research activities and ensure that our students meet the industry requriment.

To promote new technology in the young minds and introduce a industry ready program.



May, 2021

# **Inspring Alumni.....**

I never forget my days at KSRM College of Engineering, those enlightened me and made me a successful woman and stood for the society. KSRMCE has enriched my knowledge and confidence and love on the campus enticed me to join the institution back as a faculty member. Now I am rendering my services in this family as head of the department.

KSRMCE is completely different from other institutions. Here, every one groomed with valuebased education that is the reason of our alumni stood in leading positions in different sectors.



LIFE @ KSRMCE is memorable, enjoyable and meaningful

KSRMCE from its inspection has always in the forefront to ensure value-based education. The faculty members are highly committed towards the students' career progress. The same thing has been incorporated within us and continuing the vision of the institute to provide a well-advanced technology education to our students. I feel proud to be an alumnus of this prestigious institution and be as a teacher at this noble place.

The campus always has this positivity and carrying the holy spirit of education and reformation of the student's life for a better progression. Campus spreads a complete freedom to the student for enriching himself/herself and achiving its dreams

I say proudly forever that KSMRCE is not an institution but is's a **Temple of Learning**, if we really feel it we can experience in every corner of the institution.....

#### My memories of visiting Talakona in II year B.Tech



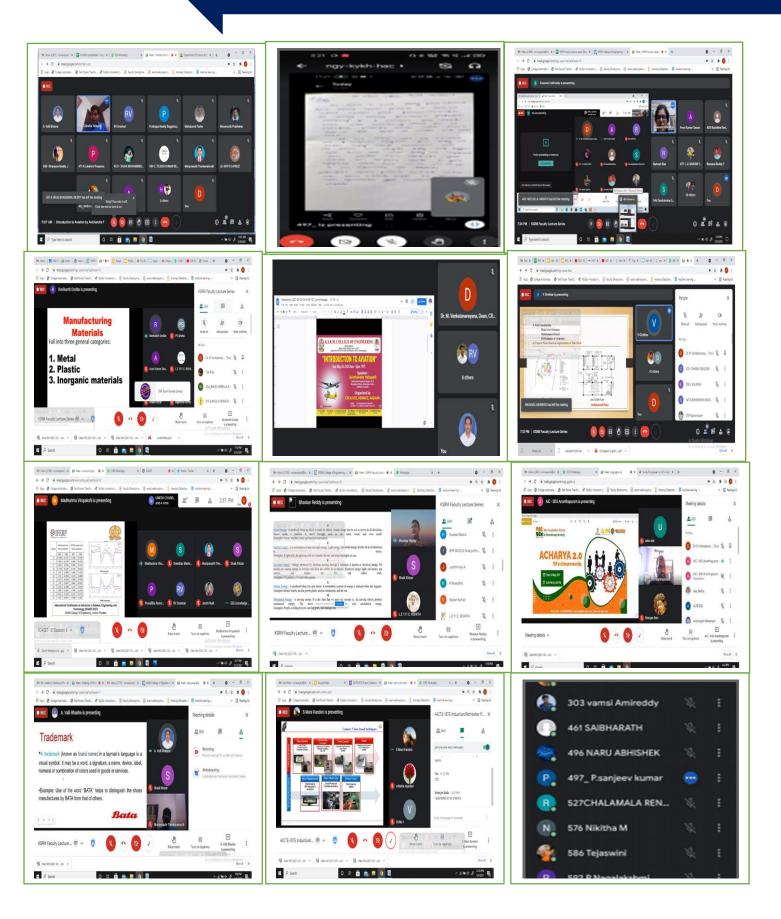


KSMRCE has given me the most memorable days in my life, we had healthy friendly relationship between all the peer group. It is more like a family instead of a college. Our faculty members have mentored us to be as a good citzen of this nation, all the days were really enjoyable. The last days made us to wet our eyes and nothing can be replaced those days at KSRM College of Engineering, Kadapa....

Our next home is KSRMCE.....

Dr.G. Hemalatha 1993-1997

## **GILIMES OF VARIOUS EVENTS IN MAY, 2021**



Career@KSRMCE



# **Up Coming Events @ KSRMCE**

- World Environment Day Celebrations
- International Yoga Day Celebrations
- ➢ Faculty Lectre Series
- APSSBC workshop
- Workshop on Autocad
- Guest Lectuers
- Faculty Development programmes & Many more......

<u>Contact us</u> kSRM College of Engineering Kadapa, Andhra Pradesh <u>principal@ksrmce.ac.in</u>







