

rajvada news

Department of Mechanical Engineering

R.V.R. & J.C. College of Engineering, Guntur-522019

Volume 23

Jan - June, 2020

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COVID-19: A History of Coronavirus

A novel coronavirus outbreak was first documented in Wuhan, Hubei Province, China in December 2019.

What are coronaviruses?

Coronaviruses are a large family of zoonotic viruses that cause illness ranging from the common cold to severe respiratory diseases. Zoonotic means these viruses are able to be transmitted from animals to humans. There are several coronaviruses known to be circulating in different animal populations that have not yet infected humans. COVID-19 is the most recent to make the jump to human infection.

Common signs of COVID-19 infection are similar to the common cold and include respiratory symptoms such as dry cough, fever, shortness of breath, and breathing difficulties. In more severe cases, infection can cause pneumonia, severe acute respiratory syndrome, kidney failure, and death.

The COVID-19 infection is spread from one person to others via droplets produced from the respiratory system of infected people, often during coughing or sneezing. According to current data, time from exposure to onset of symptoms is usually between two and 14 days, with an average of five days.

Global Health Security

An international panel of experts undertook a comprehensive assessment and benchmarking of health security and response capabilities across 195 countries. The purpose of the project was to address risks from infectious disease outbreaks that could lead to international epidemics and pandemics and measure response capabilities for each nation. The hope was that the GHS Index would lead to quantifiable changes in national health security and improve international preparedness.

The GHS Index measured indicators across six broad categories:

1. **Prevention:** Prevention of the emergence or release of pathogens.
2. **Detection and Reporting:** Early detection and reporting for epidemics of potential international concern.
3. **Rapid Response:** Rapid response to and mitigation of the spread of an epidemic.
4. **Health System:** Sufficient and robust health system to treat the sick and protect health workers.
5. **Compliance with International Norms:** Commitments to improving national capacity, financing plans to address gaps, and adhering to global norms.
6. **Risk Environment:** Overall risk environment and country vulnerability to biological threats.

Research Projects sanctioned

- ❖ An AICTE has sanctioned a project PRERANA worth 8 lakh to Dr. K. Praveen Kumar Centre for Training SC/ST students for Higher Education under Student Development Schemes. An Inaugural Programme was organized on 07 March, 2020 for which Sri R.Mallikharjuna Rao, Director, Cultural, A.P. State was the Chief Guest, Sri M.V.Ramesh babu, Assistant Tribal Welfare Officer, Guntur & Sri G.Radha Krishna, Motivational Speaker are the Guest(s) of honour.

Webinars Organized

- ❖ Dr.K.Ravindra, Dr.S.Radhika coordinated a webinar organized for final year students on 'Design Thinking on Entrepreneurship', by Indo-European Technology Center on 31 May, 2020.
- ❖ Dr.K.Ravindra, Dr.K. Chandrasekhar, Dr.K.Swarna Sri, Dr.S.Radhika coordinated a webinar organized for Final year students by Departments of ME &EEE on 'Career Opportunities after Engineering', by Indo-European Technology Center (IETC) on 7 June, 2020.
- ❖ Dr.K.Ravindra, Dr.C.TaraSasanka coordinated a webinar organized for third and final year students on 'Automotive Trends', in association with Indo-European Technology center on 27June, 2020.

Workshops organized

- ❖ A three day DST sponsored Entrepreneurship Awareness Camp (EAC) was organized for the III year students of CSE/IT and MCA branches. A total of 96 students participated during 13-15, Feb, 2020. Ms.Madhuri Nallapaneni, Director, Invecas, Amaravati and Mr.S.Phani Kumar, Executive Director, Anantha Lakshmi Spinning Mills Pvt. Ltd, Marrisalem have graced the inaugural function. Sri. Naveen Kumar M, Special Grade Industrial Promotional Officer, District Industry Centers (DIC), Guntur, Smt. V. Vindhya, IT Analyst, Tata Consulting Services, Hyderabad delivered their talks. The workshop is organized by Dr.K.Srinivas and Dr.S.Radhika.

Guest Lectures Delivered

- ❖ Dr.S.Radhika delivered a guest talk on 'My Window on The world of Self-Employment', in a three day DST sponsored Entrepreneurship Awareness Camp organized by the dept. of CSE and EMDC in KKR&KSR Institute of Technology & Sciences under the aegis of National Science & Technology Entrepreneurship Development Board, Department of Science and Technology, Govt. of India, New Delhi on 18 Feb, 2020.
- ❖ Dr.S.Radhika delivered a guest lecture on 'Business Opportunity Identification and Guidance, Creativity and Problem solving', in the two week FDP organized by the National Institute for Micro, Small and Medium Enterprises (NI-MSME), Hyderabad, sponsored by DST, Govt. of India on 20 Feb, 2020.
- ❖ Dr.S.Radhika delivered a guest lecture on 'Multi Attribute Decision making methods' organized by the Department

of ME, Vignan's Institute of Information Technology, Visakhapatnam on 22 Feb, 2020.



- ❖ Dr.C.Srinivas delivered a lecture on 'Technologies and Implications on 21 Century' conducted by Chebrolu Engineering College during 27 May, 2020.

Awards

- ❖ Dr.N.V.V.S.Sudheer and J.P.Karthik were awarded with Dronacharya award by SAE- India for the contribution to E-BAJA team as a Faculty Advisor at Indore on 25 Jan, 2020.



❖ K.Snehita stood first and won a Cash Prize of Rs.1000 in 'Engineering Mechanics Online Cross Word Quiz', organized by Department of ME, Malineni Perumallu Educational Society's Group of Institutions from 24-28 May, 2020.

Published a book chapter

Reddy Sreenivasulu & Ch.Srinivasa Rao, published a BOOK CHAPTER titled 'Some Investigations on Drilling of Aluminium Alloys From FEA - Based Simulation Using Deform-3D', by SPRINGER NATURE SINGAPUR, Advances In Simulation, Product Design and Development, Lecture Notes on Multidisciplinary Industrial Engineering (LNMIE), Chapter -1, pp.3-15, Jan, 2020.

Research Paper Publications

❖ V.Tara Chand, K.Ravindra and K.Bala Prasad, "Performance augmentation of combined cycle power plant under the control of differing open loop cooling techniques to the gas turbine blades" International Journal of Ambient Energy, DOI: 10.1080/01430750.2020.1712249, Jan, 2020. (Scopus Indexed)

❖ V.Tara Chand, K.Ravindra and K.Bala Prasad, "Exploration of turbine blade cooling strategies for performance boosting and CO₂ emissions reduction of combined cycle with steam injection-based gas turbine" International Journal of Ambient Energy, DOI:10.1080/01430750.2020.1730956, Feb, 2020. (Scopus Indexed)

❖ U.Gayatri, G.Srinivasarao and M.Ramakrishna, 'Mechanical and Thermal characterization of chicken rashes/sawdust reinforced HDPE hybrid composites" International Journal of Mechanical and Production Engineering Research and Development, Vol.10 (1), 327-344, Feb, 2020. (Scopus Indexed)

❖ M.Lakshmi Aparna, G.Chaitanya, K.Srinivas and J.Apparao, "Fabrication of continuous GFRP composites using vacuum bag molding process" International Journal of Advanced Science and Technology, Vol.87(5), 37-45, Feb, 2020.

❖ Md.Hasheer, K.Srinivas and K. Bala Prasad, "Exergy and Energy analysis of low GWP refrigerants in the perspective of replacement of HFC-134a in a Home Refrigerator" International Journal of Ambient Energy, Feb, 2020, ISSN: 0143-0750(Print), 2162-8246(Online). (Scopus Indexed)

❖ G.Kishore Chowdari, D.V.V.Krishna Prasad and S.B.R.Devireddy, "Physical and thermal behavior of areca and coconut shell powder reinforced epoxy composites" Materials today: Proceedings, Vol.26(2), 1402-1405, March, 2020. (Scopus Indexed)

❖ T.V.S.R.K Prasad, K.Srinivas and C.Srinivas, "Investigations into Control Strategies of Supply Chain Planning Models: A Case Study", OPSEARCH, Springer publication, 1-16, May, 2020, ISSN 0030-3887. (Scopus Indexed)

❖ M.Usha and G.Srinivasarao, "Optimization of parameters in turning using herbal based Nano cutting fluids with MQL" Materials Today: Proceedings, Vol.22(4), 1535-1544, May, 2020. (Scopus Indexed)

❖ J.P.Karthik, C.TaraSasanka and C.M.Raghuraman, "Influence of parameters in coal water slurry mixing used for gasification in power plant" International Journal of Recent Technology and Engineering, Vol.9(1), 1321-1329, May, 2020.

❖ Sameer Kumar D, Suman K N S, Palash Poddar and C.Tarasasanka, "Performance evaluation of surface modified Nano Al₂O₃ (P) reinforced AZ91E composites under impact and fatigue loading conditions" Strojnickyčasopis – Journal of Mechanical Engineering, Vol 70(1), 29-38, May, 2020.

❖ Reddy Sreenivasulu, Ch.Srinivasa Rao and K.Ravindra "Effect of thrust and torque exerted during drilling to optimize exit burr height and thickness by choosing variable drill bit geometry-a simplified theoretical model approach" International Journal of Data and Network sciences, Vol.4(1), 43-56, June, 2020. (Scopus Indexed)

❖ D.Swapna and Ch. Srinivasa Rao, "Optimization of Punch Force and Thickness variation in Forming of Al-Mg-Si Alloys under Non-Isothermal Conditions" International Journal of Modern Manufacturing Technologies, Vol.XII, ISSN 2067-3604, 180-189, June, 2020. (Scopus Indexed)

❖ N.Sulakshna, and V.Chittaranjan Das, "Experimental Investigation on Metallurgical Characteristics and Surface Roughness of Inconel 825 using Micro Electrical Discharge Machining with Cryogenically Treated Brass

Electrode" International Journal of Mechanical and Production Engineering Research and Development, ISSN (P): 2249-6890; ISSN (E): 2249-8001, Vol.10(3), 2879-2890, June 2020. (Scopus Indexed)

❖ M.Usha and G.Srinivasarao, "Comparison of regression model with multi-layer perceptron model while optimizing cutting force using Genetic Algorithm",



Mathematical Modelling of Engineering Problems, Vol.7(2),265-272,June, 2020.(Scopus Indexed)

- ❖ K.Snehita, P.Anantha Lakshmi and U. Pallavi, “Green Energy – Utilization and Barriers of Solar and Hydro Power Technologies” International Journal of Mechanical and Production Engineering Research and Development, Vol.10 (3), 1677-1684, June, 2020. (Scopus Indexed)
- ❖ B.Ramgopal Reddy and K.Ramji, “Modeling and Evaluation of Effective Elastic Properties of Carbon Nanotubes Reinforced Carbon Fiber/Epoxy Multi scale Composites”MaterialsToday: Proceedings, Elsevier, Vol.21, 1099–1103,2020. (Scopus Indexed)
- ❖ B. Supraja and B.Ramgopal Reddy, “Experimental Investigation on Friction Stir Welding of Dissimilar Alloys AA7075 and Pure Copper: Effect of Tool Material and Process Parameters on Mechanical Properties” Advances in Materials and Manufacturing Engineering, Lecture Notes in Mechanical Engineering, Springer, 533-540, 2020. . (Scopus Indexed)
- ❖ Tirumala Rao and K.Ravindra, “Fabrication, characterization and micro structures of az91d/cockle shell powder composites using stir casting method” Journal of Advanced Research in Dynamical and Control Systems, 12(2), 2166–2175, 2020. (Scopus Indexed)
- ❖ N.Sulakshna, and V.Chittaranjan Das, “Multiple Parameter Optimization of Cryogenic Micro-EDM process on Inconel 825 using TOPSIS Methodology”, Journal of Advanced Research in Dynamical & Control Systems, Vol. 12(2), ISSN No: 1943-023X,2948-2957, 2020.(Scopus Indexed).
- ❖ N.V.V.S.Sudheer, N.SanthiSree and P.Bhramara, “Effect of Ethanol based Mixtures on the Performance of CLPHP–Experimental Approach” International Journal on Emerging Technologies, 11(2),389-395, 2020.(Scopus Indexed)
- ❖ N.V.V.S.Sudheer, N.SanthiSree and P.Bhramara, “Flow Visualization of Closed Loop Pulsating Heat Pipe-CFD Analysis” International Journal of Advanced Science and Technology Vol. 29(5), 9288-9295, 2020. (Scopus Indexed)
- ❖ M.Vijaya, K.Srinivas and Ch.Devaraj, “Prediction of Force Convergence and Stresses on a Gear using Coefficient of Friction from Wear test developed in Finite Element Method” International Journal of Engineering and Advanced Technology, Vol.9(1),2020, ISSN: 2249 – 8958.(Scopus Indexed)

Paper Presentations in Conferences

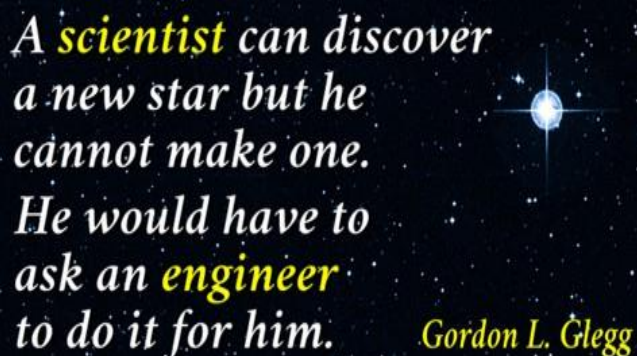
- ❖ V.Nageswara Reddy, G.Srinivasarao and K.Tirupati Reddy, “Modelling and Analysis of Compression ignition Engine Performance and Emissions of bio diesel” Third International Conference on Innovations in Mechanical Engineering, Jan. 2020.
- ❖ J.L.Jayanthi, K. Ramesh Chandra and Sneha.H.Dhoria, “Fluoride Removal by Nano Magnesium Oxide”

National Conference on Recent Advances in Chemical Engineering, Andhra University college of Engineering(A), Andhra University, Visakhapatnam, Jan. 21-22, 2020.

- ❖ G.Kishore Chowdari, “Mechanical Characterization of Areca Fiber and Coconut Shell Powder Reinforced Hybrid Composites” International Conference on Advances in Material Science and Mechanical Engineering, N.B.K.R institute of Science and Technology, Feb. 7-9,2020.
- ❖ G.Kishore Chowdari, D.V.V. Krishna Prasad and S.B.R. Devireddy, “Physical and Thermal behavior of Areca and Coconut Shell Powder Reinforced Hybrid composite” International Conference on Materials Processing and Characterization, GLA University – Mathura Delhi, Feb. 21-23, 2020.

Conferences/ Workshops Attended

- ❖ K.Praveen Kumar, Y.N.V.Sairam, FDP on “3D Experience –System Engineering, Delmia & Simulia” APSSDC, Dassault systems at Dassault systems 3D PLM office, Pune, Jan. 23-25, 2020.
- ❖ K.Praveen Kumar and Y.N.V.Sairam, “3D Experience – Platform Explorer” at the level of Associate, Dassault Systems Company, Pune, Jan. 25, 2020.
- ❖ K.Ravindra, B.Ramgopal Reddy, K.Bala Prasad, G.Chaitanya, K.Praveen Kumar, and Reddy Sreenivasulu, FDP “Practical Aspects of Finite Element Analysis Using ABAQUS”APSSDC, Dassault Systems, April 18-24, 2020.
- ❖ B.Ramgopal Reddy, Online Course “Examination Reforms” AICTE April 22-25, 2020.
- ❖ Sneha.H.Dhoria, online workshop “Design of Experiments: An Engineering Perspective “Journal of Advanced Engineering Research and powered by Hexacube, India, April 25-27, 2020.
- ❖ C.Srinivas, online FDP “Internet of Things” Indian Institute of Information Technology, Nagpur April 25-29, 2020.
- ❖ K.Ravindra, K.Srinivas, B.Ramgopal Reddy, N.V.V.S.Sudheer, K.BalaPrasad, K.Praveen Kumar, G.Chaitanya, and Y.N.V.Sairam, online FDP “Automotive Structures Design Using CATIA”APSSDC, Dassault Systems, 30 April - 2 May, 2020.



*A scientist can discover
a new star but he
cannot make one.
He would have to
ask an engineer
to do it for him.* Gordon L. Glegg

- ❖ C.Srinivas, online FDP “Deep Learning and Its Applications” IIT Roorkee during May 4- 13, 2020.
 - ❖ Sneha.H.Dhoria, online course “3D Printing-Applications and Technologies” Department of ME, Sri Ramakrishna Engineering College, May 10-20, 2020.
 - ❖ K.Bala Prasad, online live instructor-led FDP “Deep Learning and Its Applications” Electronics and ICT Academy, IIT Roorkee, May 11- 20, 2020.
 - ❖ Reddy Sreenivasulu, one day online workshop “Research Scopes in Composites Materials” Chennai Institute of Technology, Chennai May 14, 2020.
 - ❖ Reddy Sreenivasulu, one week online FDP “Machine Learning and Deep Learning Applications in Engineering & Science” Government College of Engineering, Maharashtra May 16-20, 2020.
 - ❖ K.Bala Prasad, one-week online FDP, “Innovation and Research Trends in Mechanical Engineering” KHIT, Guntur May 18 -22, 2020.
 - ❖ G.Srinivasarao, K.Bala Prasad, V.Tarachand and D.Kondala Rao, one week online FDP “Modelling and Optimization Techniques for Materials and Manufacturing Processes” Lakkireddy balireddy College of Engineering, May 18- 22, 2020.
 - ❖ V.Chittaranjan Das, V.Ramakoteswara Rao and K.L.Chaitanya, two week FDP “AutoCAD (Mechanical)” APSSDC, May 18-30, 2020.
 - ❖ K.Hari Prasad, two week FDP “CATIA “APSSDC, May 18-30, 2020
 - ❖ V.Chittaranjan Das and K.Bala Prasad, Three day online FDP “Recent Trends in Research Methodology” Bhimavaram Institute of Engineering and Technology May 19-21, 2020.
 - ❖ B.Ramgopal Reddy, G.Chaitanya, online FDP “Design for Manufacturing and Assembly” APSSDC, Dassault Systems May 21-23, 2020.
 - ❖ K.Snehita, one week FDP “Additive Manufacturing: The Research Scopes & Future Trends” Santhiram Engineering College, May 22-28, 2020.
 - ❖ Sneha.H.Dhoria, online workshop “Awareness on Industry Safety during COVID-19” Department of ME, S.A Engineering College, May 23, 2020.
 - ❖ K.Bala Prasad, online FDP “Outcome Based Education and Accreditation” IILM College of Engineering & Technology, May 25-29, 2020.
 - ❖ K.Snehita, one week FDP “Development and Characterization of composite Materials” Department of ME, Lingayas Institute of Management and Technology May 25-29, 2020.
 - ❖ V.Chittaranjan Das and K.Snehita, one week FDP “Advanced NDT Techniques and Applications in Industry” Indian Society for Non-Destructive Testing, Department of ME, QIS CET May 25-29, 2020.
 - ❖ K.Snehita, FDP “Recent Trends in Quality Control & Testing of Weldments” Dept. of ME, Godavari Institute of Engineering & Technology, May 26-27, 2020.
 - ❖ C.TaraSasanka, FDP “Emerging Technologies in Robotics” Department of ME, Malla Reddy Engineering College, Hyderabad, May 26-30,2020.
 - ❖ Sneha.H.Dhoria and K.Snehita, 3-day FDP “Advanced Material Characterization Techniques–A research perspective” Department of ME, Lendi Institute of Engineering and Technology, May 28-30, 2020.
 - ❖ K.Snehita, STTP “Research Methodology” Dept. of ME, AmalJyothi College of Engineering, May 28-30, 2020.
 - ❖ K.Praveen Kumar, online FDP “Digital Engineering Aerospace” APSSDC, Dassault Systems, June 1-5, 2020.
 - ❖ K.Bala Prasad, FDP “Advancements in Phase Change Material Based Thermal and Renewable Energy Techniques” LBRC, Mylavaram, June 1-5, 2020.
 - ❖ V.Ramakoteswara Rao, two week FDP “Solid Edge” APSSDC, June 1-13, 2020.
 - ❖ K.Praveen Kumar, online FDP “EXCELR” APSSDC, EXCELR Solutions June 1-30 2020.
 - ❖ K.Praveen Kumar, online FDP “Novel Materials in Engineering” Department of ME, Raghu Engineering College, June 4-5, 2020.
 - ❖ K.Snehita, 3-day FDP on “Mechanical Behavior of Bio and Composite Materials” Andhra Loyola Institute of Engineering and Technology June 11-13, 2020.
 - ❖ K.Bala Prasad, Reddy Sreenivasulu and K.Snehita, one week FDP “Research Trends in Mechanical Engineering” Dept. of ME, Gudlavalleru Engineering College June 15-20, 2020.
 - ❖ Md.Hasheer, online workshop “Advanced IC Engines” Department of ME, Brindavan institute of technology and science, Kurnool, 17 June, 2020.
 - ❖ J.P.Karthik, online FDP “Open Foam” Departments of ME and CE jointly in association with spoken tutorials, IIT Bombay, V.K.R,V.N.B & A.G.K College of Engineering, 29 June to 3 July, 2020.
- Faculty Advisor**
- ❖ Dr.N.V.V.S.Sudheer, J.P.Karthik acted as faculty advisor and participated in the E-BAJA event organized by SAE-India at Indore, Jan. 22-25, 2020.
 - ❖ Dr.N.V.V.S.Sudheer, J.Rangaraya Chowdary acted as faculty advisor and participated in the M-BHAJA event organized by SAE-India at Chitkara University, Punjab, March, 5-9, 2020.
- Online Courses Completed**
- ❖ K.Praveen Kumar, one day workshop “C and C++” Teaching Learning Centre (ICT), IIT Bombay, Feb. 29, 2020.
 - ❖ V.Chittaranjan Das, G.SrinivasaRao, C.Srinivas, B.Ramgopal Reddy, N.V.V.S. Sudheer, K.Bala Prasad, V.Ramakoteswara Rao, V.Tarachand, Sneha.H.Dhoria, Y.N.V.Sairam, “Effective and Efficient Online Teaching in the Age of Corona, A Hands on workshop” the Teaching

Learning Centre (ICT), IIT Bombay, May 17 and 23, 2020 respectively.

- ❖ K.Ravindra, V.ChittaranjanDas, G.SrinivasaRao, C.Srinivas, B.Ramgopal Reddy, N.V.V.S.Sudheer, K.Bala Prasad, K.Praveen Kumar, V.Ramakoteswara Rao, V.Tarachand, Sneha.H.Dhoria and Y.N.V.Sairam, "The BodhiTree and SAFE Tools for Effective Online Teaching A Hands on Workshop" the interaction session and successfully completed both pre and post workshop online activities, involving 3 days of video lectures and hands-on work organized by the Teaching Learning Centre (ICT) at IIT Bombay, during 20 - 21 June, 2020.

Webinars attended

- ❖ Y.N.V.Sairam, webinar "Major Challenges in Auto component Industries post COVID 19" Chennai Institute of Technology, Kundrathur, Tamil Nadu, May 7, 2020.
- ❖ Y.N.V.Sairam, online webinar "Research Publications, Process, Credentials and Outcomes" BITS college of Engineering, Visakhapatnam May 9, 2020.
- ❖ Y.N.V.Sairam, online webinar, "3D Printing Applications in Fighting with COVID-19" Dept. of ME, Sri Sai Ram Institute of Technology, Chennai May 9, 2020.
- ❖ Y.N.V.Sairam, online webinar, "Innovations to Academicians" Dept. of ME, Rama Chandra college of Engineering, Eluru 11-16, 2020.



- ❖ Sneha.H.Dhoria, D.Kondala rao and K.Hari Prasad, webinar, "Design of Experiments on Taguchi method" Kallam Haranadhareddy Institute of Technology, May 14, 2020.
- ❖ C.Tarasasanka, webinar, "Advanced manufacturing practices –Robot Automation & Industry 4.0" Sri Sairam Institute of Technology, Institution of Engineers May 20, 2020.
- ❖ Sneha.H.Dhoria, webinar, "Research Thrust areas in Composites" Dept. of ME, Arasu Engineering college, May 20, 2020.
- ❖ K.Srinivas, K.Praveen Kumar, C.Tarasasanka and Sneha.H.Dhoria, webinar, "Machining Studies on Aluminum composites" School of Engineering and technology, CMR University, May 21, 2020.
- ❖ K.Srinivas, webinar "Application of Artificial Intelligence in Manufacturing Industry" Sri Sai ram Institute of technology, Chennai in association with MHRD and Institutions Innovation Council, May 21, 2020.

- ❖ Sneha.H.Dhoria, webinar "Evolution of connected industries" Dept. of ME, Narasaraopet Engineering College, May 23, 2020.

- ❖ B.Ramgopal Reddy, webinar "CNC Tooling" MSME Technology Centre, Visakhapatnam, Kennametal, May 25, 2020.

- ❖ K.Srinivas, webinar "Mechanical Aspects of High Voltage Circuit Breakers and Isolative" School of Engineering and technology, CMR University May 25, 2020.

- ❖ V.Chittaranjan Das, Sneha.H.Dhoria, D.Kondala rao and K.Hariprasad, webinar "Art of writing research review/articles for publishing in peer reviewed journals" MES college Erumely, May 25, 2020.

- ❖ Y.N.V.Sairam, webinar "Development and Characterisation of composite Materials" Dept. of ME, Lingayas Institute of Management and Technology, Vijayawada, May 25-29, 2020.

- ❖ Sneha.H.Dhoria, webinar "Introduction to Design of Experiments" Dept. of ME, Arasu Engineering college, May 27, 2020.

- ❖ K.Srinivas, webinar "Artificial Intelligence" Dept. of CSE, RVR&JCCE, WILEY May 29, 2020.

- ❖ K.Praveen Kumar, webinar "Insights to INDUSTRY 4.0" Dept. of ME, S.A. Engineering College, Chennai, Tamil Nadu, May 29, 2020.

- ❖ K.Hari Prasad, webinar "Recent Trends in IC Engines"

Dept. of ME, Rathinam Technical Campus, May 29, 2020.

- ❖ Md.Hasheer, webinar "Welding as a Career" Dept. of ME, LBRC, Mylavaram, M/S Fronius India Pvt Ltd., Hyderabad, 30 May, 2020.

- ❖ K.Hari Prasad, webinar "Nano fluid applications in Engineering" Dept. of ME, Vishnu Institute of Technology, Bhimavaram, June 1, 2020.

- ❖ B.Ramgopal Reddy, International webinar, "How to get research grants from UGC, AICTE- Minor or Major research projects application process" MBITS & SMBS, Kerala, June 9, 2020.

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In life-and-death matters such as the COVID-19 pandemic, a focus on financial matters can seem misplaced. But for the world's poor, the financial impacts of COVID-19 can be devastating and far more immediate.

Student Industrial Trips

- ❖ The III year students of Mechanical Engineering visited to the JOCIL limited, Perecharla, Chaitanya Packaging's on 11, 18 & 20 Feb., 2020 respectively.



MECHMANTRA-2020

MECHMANTRA-2020 a technical Symposium was organized by the department on 27 Feb 2020.

R.V.R. & J.C. COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
MECHMANTRA - 2020
 27TH FEBRUARY 2020

THE LADY AND THE LORD **PAPER PRESENTATION**
 (DEADLINE TO SUBMIT 24/02/2020)
DESIGN CONTEST **YANTRALAYAM**

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CAT Activities

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TOPIC
 ANCIENT SCIENCES OF INDIA
DATE
 12-02-2020 @ 10.00 AM -12.00 NOON
VENUE
 SEMINAR HALL , S-J BLOCK

SRI GARIKAPATI NARASIMHA RAO GARU



Annual Day

Annual day celebrations of RVRJCCE and A National Level Technical and Cultural Festival was organized for three days during 27-29 Feb 2020. **Czars** Title was won by Mechanical Engineering Department

