



P K M Educational Trust ®

R.R. INSTITUTE OF TECHNOLOGY

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R R Mech Chronicle

Volume 5, Issue 1

Newsletter-March 2021

Upcoming Events

- Guest Lecture
- Student Development Programme
- International Conference on Latest developments in Mechanical Engineering
- Industrial visits

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Student editors
Aaditya Regmi
(1RI17ME001)

Satish Kumar
Tripathi
(1RI17ME017)

Principal's Message -

"So proud that the department of mechanical engineering is presenting Volume 5 issue 1 of newsletter with talents of their students and faculty".

-Dr. Mahendra K V



HOD's Message -

"At the outset, I congratulate the editorial board for their solidarity in bringing out the fifth newsletter, Volume 5 issue 1 of the "R R MECH CHRONICLE" with flying colors for the academic year 2020-21".

-Dr. Channabasavaraj S



Message From Editor -

"I am happy to serve you as an editor of R R Mech chronicle and I have try my level best to convey the latest mechanical department news in best possible manner, hope you enjoy reading newsletter".

-Mr. Harish M R

Assistant Professor



Association of RRIT Mechanical Engineers

The mechanical departmental association "ARME" was started in the year 2016. The association effectively brings the students of the department together and bridges them to the outside world.

VISION

To develop & contribute highly motivated enthusiastic innovative young mechanical engineers to the nation.

MISSION

To provide a platform for the budding mechanical engineers to showcase their multi skillsets & encourage to acquire multifold talent through participatory learning.



MoU with GT&TC, Bengaluru



Government Tool Room and Training Centre

Department of Mechanical Engineering Signs Memorandum Of Understanding (MoU) with Government Tool Room & Training Centre (GT&TC), Rajajinagar, Bengaluru for Industry Specific Skill Development for students and faculties. This facilitates all the students to make the best use of Center of Excellence, GT&TC.

ICRDMSA 2020

International Conference on Recent Developments in Material Science and Applications

materialstoday



THE INSTITUTE OF INDIAN FOUNDRYMEN

FOUNDRY INFORMATICS CENTER

Journals

- **Dr. Channabasavaraj S** published journal titled “*Experimental investigation on compression and bending properties of epoxy composites reinforced with Al_2O_3 , kenaf/hemp fibers for orthopaedic implants*”, ICRDMSA, 2020 Volume 988.
- **Dr. Channabasavaraj S** published journal titled “*Investigations of tensile properties of modified epoxy-based composites reinforced with kenaf/hemp fibers for orthopaedic implants*”, ICRDMSA, 2020 Volume 988.
- **Dr. Arulmani, Shridarmurthy H N** published titled “Hot powder forging Behaviour analysis of sintered AISI 8740 PM steels for automotive application” Materials Today.

Student Chapter

Department of Mechanical Engineering had organized One day Seminar on “*Managing Risks Associated With Foundry Work*” on 21st Nov 2020 through online platform. It was organized in association with IIF. It was intended to provide a platform for faculties and students to get enlightened on Foundry work.

Technical seminars



SkillatWill



YANTROVA
ACADEMY INDUSTRY



- Department of Mechanical Engineering had organized National Seminar on “*Preparing For Technology Carriers Of Tomorrow*” on 23rd Oct 2020. **Mr. Abhishek R Patil**, CEO, Zcientia Labs Pvt. Ltd was the Mentor and Speaker. This was coordinated by **Dr. Channabasavaraj**, HOD and **Mr. Kalburgi Bharath**, Asst. Prof.
- Department of Mechanical Engineering had organized National Seminar on “*Introduction To HYSD Bars And Its Proper Usage On Site*” on 7th Nov 2020. **Mr. Anirudh Shah**, General Manager, SK Steels Tech. Pvt. Ltd was the Guest Speaker. This was coordinated by **Mr. Harish M R**, Asst. Prof.
- Department of Mechanical Engineering had organized National Seminar on “*Entrepreneurship Awareness*” on 29th August 2020. **Mr. Sumanth S Athreya**, Founder and Design Director, Yantrova, Bangalore was the Guest Speaker. This was coordinated by **Dr. Amarnath G**, Assoc. Prof.
- Department of Mechanical Engineering had organized National Seminar on “*Green Energy*” on 23rd Dec 2020. **Dr. Basavaraja Bankara**, Registrar Davangere University was the Guest Speaker. This was coordinated by **Dr. Channabasavaraj**, HOD.



- **Dr. Channabasavaraj**, HOD attended National level Workshop on “*Skill Building: Creating And Empowering Leaders Of Tomorrow*” held on 28/8/2020 to 29/8/2020 and 3/9/2020 to 4/9/2020 at Kannada Sangh Kaveri college, Pune.
- **Dr. Manjunatha G**, Associate Professor attended International Conference on “*Futuristic trends in Mechanical Engineering*” held on Presidency University, Bengaluru.
- **Mr. Harish M R**, Assistant Professor attended One day Workshop on “*Rapid Prototyping*” held on 26/02/2021 at Government Tool Room & Training Centre, Bengaluru.
- **Mr. Kalburgi Bharath**, Assistant Professor attended FDP on “*Simulation Techniques for casting and other processes*” held on 14/8/2020 to 16/8/2020 at Ramaiah Institute of Technology, Bengaluru.
- **Dr. Manjunatha G, Mr. Harish M R and Mr. Lohithkumar J K** attended National Conference on “*Emerging Trends in Design, Simulation and Manufacturing*” held on 23/11/2020 to 24/11/2020 at Ramaiah Institute of Technology, Bengaluru.

VTU Rank Holder

Mr. SUSHIL KUMAR YADAV [1RI16ME034] has secured **8th Rank** in Mechanical Engineering from Visvesvaraya Technological University (VTU) for the academic year 2019-2020.



Toppers

Toppers of the department



8th Semester



SUSHIL KUMAR Y-91%



UTTAM SHAH - 85%



MANOJ KUMAR V - 85%

6th Semester



AADITYA REGMI—93 %



GYANU DAHAL – 88%



QUAMRUZZMA KHAN—84 %

4th Semester



TABREZ ALAM —83%



SAGAR NYAPUNE—82 %



JEFIN VARGHEESE –74.4 %

Research & Development Centre, ME Dept.

- **Mr. Nagaraj N**, Research Scholar under the guidance of **Dr. K V Mahendra**, defended his final Viva Voce titled “*Characterization of Al-Si Alloy, Fly-ash and Graphite for metal matrix Composites for Extrusion application in Industry*” held on 6th March 2021 at RRIT.
- **Mr. Pranesh K G**, Research Scholar bearing USN 1RI16PMJ05 under the guidance of **Dr. Channabasavaraj S** defended his research titled “*Evaluation of Impact Strength & Mechanical Properties for a Leaf Spring in FRP based nano-particles*” in Doctoral Committee Meeting held on 16th Feb 2021 at RRIT.
- **Mr. Shrinivasu N**, Research Scholar under the guidance of **Dr. M K Muralidhar** defended his Comprehensive Viva-voce at RRIT.
- **Dr. Channabasavaraj S** delivered lecture on “Characterization of Polymer Matrix Composites” as a Resource Person for National level 5 days FDP program on “*Nano Hybrid Composite Material Characterization and Applications*” held on 27th August 2020 at VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad.

Photo Gallery



Dr. Channabasavaraj addressing students during First Year Induction Program, 2020-2021



Dr. Amarnath G addressing students about goals of the department during Induction Program



Workshop attended by 3rd sem students at SIEMENS Centre of Excellence, GT&TC, Rajajinagar, Bengaluru