



SINCE 1993

UPCOMING EVENTS

- Technical seminar for third semester students
- Faculty Development Programme
- Technical seminar for fifth semester students
- 5 day workshop on Internal combustion engines.
- Industrial visits
- Technical seminar for seventh semester students

INSIDE THIS ISSUE:

SDP's held	2
Students placed	3
Achievements of Faculties	4
International Conference RISEM	5
Publications	6
Toppers	7
Photo Gallery	8

R R INSTITUTE OF TECHNOLOGY

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R R MECH CHRONICLE

Volume 3, Issue 2



Principal's Message

So proud that the Department of Mechanical Engineering is presenting Volume 3 issue 2 of news letter with talents of their students and faculty. I am sure that the forum encourages the students and faculty of the department to achieve their best.



**With best wishes
Dr. M B Manjunath**

HOD's Message



Its my great privilege & honor to welcome all to the editorial desk. First of all I would like to congratulate the editorial team for their efforts in bringing out the Sixth newsletter, Volume 3 issue 2 of the "R R MECH CHRONICLE" with flying colors for the academic year 2018-19. I feel very glad to have dynamic faculty dedicated to excellence in teaching and research always ready to guide and advice students. To function in a multi-disciplinary team, working to identify, formulate and solve Engineering problems, one's ability to communicate effectively is of prime importance. Extracurricular professional activities which enrich the educational experience is thus given enough space in our curriculum.

Message From Editors

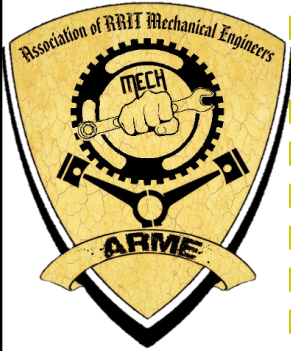
A warm welcome to our Vol. 3 Issue 2 of "RR Mech Chronicle". This newsletter aims to create a forum for exchange of information on all aspects of Mechanical Engineering Department. Thank you all for your kind wishes and support.



Prof. Shridharmurthy H N



Prof. Kalburgi Bharath



Engineering or technology is all about using the power of science to make life better for people, to reduce cost, to improve comfort, to improve productivity.

N. R. Narayana Murthy



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.

Student Development Programmes

Five days workshop on “Intensive Interactive Practice Workshop on I.C. Engines” – 20-03-2019 to 24-03-2019

Resource person : Mr. Naveen M, Chief Executive, A J Heuristic & Mr. Bhuvan S J, Executive, A J Heuristic.

Department of Mechanical Engineering had organized five days workshop for 6th semester students of mechanical engineering on “ **Intensive Interactive Practice Workshop on I.C. Engines**” from 20-03-2019 to 24-03-2019. This Workshop was intended to provide a platform for students to get enlightened about theoretical and practical aspects of Internal Combustion (I.C.) Engine. The objective of workshop was to provide a platform to know purpose, different components, materials of components and working of I.C. Engine and to provide theoretical and practical knowledge of I. C. Engine to students . 50 students were benefitted by the Programme.

Three days workshop on “Hydraulics and pneumatics”

– 03-04-2019 to 05-04-2019

Resource person : Mr. Joji P, Proprietor, Fluidsys training center, Bangalore.

Department of Mechanical Engineering had organized Three days workshop for 8th and 6th semester students of mechanical engineering on “**Hydraulics and pneumatics**” from 03-04-2019 to 05-04-2019.

This Workshop was intended to provide a platform for students to get enlightened about theoretical and practical aspects of Hydraulics and pneumatics. The workshop was intended to provide a platform to know purpose, different components and working of Hydraulics and pneumatics and to provide theoretical and practical knowledge of Hydraulics and Pneumatics to students. 86 students were benefitted by the Programme.

Technical seminar on “Job opportunities in Robotics and Automation”

– 08-04-2019

Resource Person : Mr. Nanda Gopal G, Technical lead-DRATA, Difacto Robotics and Automation Pvt Ltd., Bengaluru, Karnataka, India.

Department of Mechanical Engineering in association with Training and Placement Cell had organized technical seminar for 8th semester students of mainly mechanical engineering and other branch students on "Job opportunities in Robotics and Automation" on 08-04-2019. This seminar was intended to provide a platform for students to get enlightened about job opportunities in the field of Robotics and Automation. This workshop was intended to provide knowledge about robotics and automation field and to provide knowledge about skills needed for jobs in this field.

“Professional Ethics and Human values” – 14-08-2018

Resource Person : **Prof. V B Nanda Gopal**, Chief Executive, Science & Technology Entrepreneurs Park (STEP), Bengaluru.

Electrical and Electronics Engineering Department in association with Mechanical Engineering organized one day faculty development program on Professional Ethics and Human Values on 14th August 2018. The objective of the program was to create awareness among the teachers about their main responsibilities to their students, to understand social responsibilities of a teacher, to appreciate ethical dilemma while discharging their duties and defining their role in students' lives. 57 internal participants and 27 external participants from various engineering colleges got benefitted from the program

Students Placed



VINAY B,
1RI15ME113
JUSTDIAL



VISHNU V S,
1RI15ME115
JUSTDIAL



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*If your experiment
needs statistics, you
ought to have done a
better experiment.*

- Ernest Rutherford

*Nothing in life is to
be feared, it is only
to be understood.
Now is the time to
understand more, so
that we may fear less.*

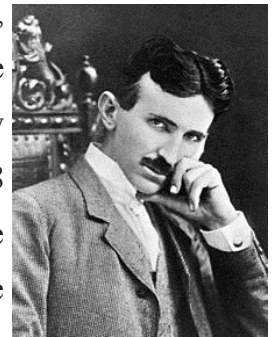
- Marie Curie

Achievements of Faculties

- **Dr. Channabasavaraj** was honoured as Question paper setter and Moderator at Nagarajuna College of Engineering.
- **Dr. Channabasavaraj** was chief convenor of International Conference "RISEM 2019" held on Ma10,11 2019 at RRIT.
- **Dr. Channabasavaraj S** secured 100% results in the subject Energy Engineering (15ME71).
- **Dr. Amarnath** was Chief convenor of 3 days DST NIMAT sponsored Entrepreneurship Development Programme.
- **Mr. Naveen G** secured 100% results in the subject Control Engineering (15ME73).
- **Mr. Nagesh Kumar R** was honoured as examiner at Ramaiya Institute of Technology.
- **Mr. Shridharmurthy H. N.** secured 100% results in the subject Non Traditional Machining (15ME554).
- **Mr. Kalburgi Bharath** secured 100% results in the subject Energy and Environment (15ME562).

Nikola Tesla-

As unusual as Nikola Tesla was, we can't deny all the wisdom, purpose and will that make his life story what it is. He once worked for 84 hours straight, without sleeping. That's how passionate he was about the work he was doing. He spoke 8 languages and left the world with more than 300 patents. He admits he never cared about money, the laws of physics were his religion instead. The great inventor believes in doing our best in order to create a better future.



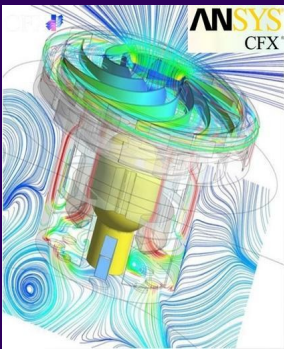
"Our virtues and our failings are inseparable, like force and matter. When they separate, man is no more."



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Gravity explains the motions of the planets, but it cannot explain who sets the planets in motion.

- Isaac Newton



International Conference on “Recent Innovations in science, Engineering & Management (RISEM-2019) in association with Conference world”

The International Conference on **Recent Innovations in Science, Engineering and Management (RISEM-2019)** in association with conference world was held on 10-11th May 2019 at R. R. Institute of Technology, Bangalore. RISEM provided a platform to Research scholars from academia and industry to present their results. The accepted articles are published in the **International Journal of Scientific Research and Review, Volume 07, Issue 05, May 2019** which is UGC approved **Journal No.: 64650 and having ISSN-2279-543X.**

The Inaugural session was held at College Auditorium on 11th May 2019 at 10 AM-11.15 AM. During inaugural, gathering was welcomed by Dr. Channabasavaraj S., Convenor, RISEM-2019. Dr. Komala Yadav, Conference World, Dr. Ravindra H. V., Principal, PES Mandya, Dr. Manjunath M B, Principal, RRIT, Dr. Channabasavaraj S., Professor and HOD, Department of Mechanical Engineering, Dr L. Arulmani, Associate Professor, Department of Mechanical Engineering and Dr Venkatesh, Professor and HOD, Department of Basic Sciences were felicitated on this occasion for their valuable contribution to Research and Teaching. Dr Komala Yadav, Conference World, briefed about International conference moto. Chief Guest Dr. Ravindra H.V., Principal, PES, Mandya delivered keynote address on the “Machine Learning Techniques in Welding Process.”. Few delegates expressed their views about conference. Presidential remarks were delivered by Dr Manjunath M B. Principal, RRIT. Vote of Thanks was delivered by Dr Venkatesh K. Sessions were held in three different venues in which papers belonging to various fields were presented.



Welcome address by Dr. Channabasavaraj, HOD, ME

Publications



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If four things are followed - having a great aim, acquiring knowledge, hard work, and perseverance - then anything can be achieved.

-A.P.J. Abdul Kalam

- **Mr.Manjunatha G D**, “Experimental and numerical investigation of heat transfer coefficient for helical coiled heat exchanger” - International journal of scientific research and Review, ISSN No: 2279-543X, Volume 7, Issue5, May 2019.
- **Mr. Shridharmurthy H N, Dr. Arulmani.**, “A review on investigation of microstructural analysis of duplex stainless steel” , International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Page No. 423-426, Volume 07, Issue 05, May 2019.
- **Mr.Nagesh Kumar R.**, “Comparative study on Fuel produced from Waste Plastics using Pyrolysis process” , International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Page No. 423-426, Volume 07, Issue 05, May 2019.
- **Mr.Keerthy Prasad B**, “A Review on fibre Reinforced composite.” International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Volume 07, Issue 05, May 2019
- **Mr. Murali G E**, “Solar powered Automatic Cow dung Cleaning System for Cowshed” International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Volume 07, Issue 05, May 2019
- **Mr. Shridharmurthy H N, Dr. Arulmani.**, “A review on mechanical properties of duplex stainless steel” , International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Page No. 427-434, Volume 07, Issue 05, May 2019.
- **Dr. Amarnath G**, “Fabrication of Solar Air Cooler” International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Volume 07, Issue 05, May 2019
- **Prashanth H.K., Ghanshyam Tiwari., et al.**, “An exploration of biogas for sustainable energy” – International Journal of Scientific Research and Review (UGC), ISSN: 2279-543x, 64650, Page No. 380-386, Volume 7, Issue 5, May 2019.
- **Prashanth H.K. and Nagesh Kumar R**, “Studies on superhydrophobic surface for practical applications-A review” - International Journal of Research and Analytical Reviews (UGC),E-ISSN 2348-1269, P- ISSN 2349-5138, Page No. 942-947, Volume 6, Issue 1, March 2019.
- **Naveen G**, “Fabrication of multi purpose agricultural vehicle” International Journal of Scientific Research and Review ,ISSN No.: 2279-543X,Pg 885-887 Volume 07, Issue 05, May 2019
- **Mr. Shridharmurthy H N, Dr. Arulmani.**, “A review on wear analysis and optical microscopy of super duplex stainless steels” , International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Page No. 435-440, Volume 07, Issue 05, May 2019.
- **Dr. Channabasavaraj.**, “Natural Fibres Reinforced Polymer Composite Materials ” International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Volume 07, Issue 05, May 2019
- **Dr. Channabasavaraj.**, “Composite leaf spring for Automobile suspension” International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Volume 07, Issue 05, May 2019
- **Dr. Channabasavaraj.**, “Fabrication of ROV detecting the foreign bodies” International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Volume 07, Issue 05, May 2019
- **Dr. Channabasavaraj.**, “Design and fabrication of solar robotic trolley” International Journal of Scientific Research and Review ,ISSN No.: 2279-543X, Volume 07, Issue 05, May 2019



Precision
Manufacturing

Do one thing at a
Time, and while doing
it put your whole Soul
into it to the exclusion
of all else.

- Swami
Vivekananda

Toppers of the department

Department Topper



GHANSHYAM TIWARI – 86 %

7th Semester



CHANDRA KISHORE-81 %



MILAN DHAKAL - 79 %



KANNAN SURESH - 78.3 %

5th Semester



SUSHIL KUMAR YADAV- 84.6 %



SHYAM KISHORE MUKHIYA - 71.4%



SANDEEP D- 70.8%

3rd Semester



AADITYA REGMI-84.90%



GYANU DAHAL –78.80%



SATISH KUMAR TRIPATHI 75.8 %

1st Semester



TABREJ ALAM A - 9.2 CGPA



SAROJ BUDHAKOTI - 8.9 CGPA



JEFIN VARGHESE- 8.15 CGPA

Photo Gallery



Mr. Naveen, A J Heuristic addressing gathering



Mr. Bhuvan S J, A J Heuristic in I C Engine Hands on practice



Mr. Joji addressing the gathering



Mr. Nandagopal addressing the gathering



Welcoming Dr. Ravindra with bouquet



Welcoming Dr. Komala with bouquet