

DEPARTMENT OF MECHANICAL ENGINEERING RAJARAJESWARI COLLEGE OF ENGINEERING

(An ISO 9000 - 2001 Certified Institution)

(Affiliated to the Visvesvaraya Technological University, Belgaum)

(Approved by the AICTE, New Delhi and Recognized by Government of Karnataka)

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.

DEC-2014

NEWSLETTER

VOLUME - 1 ISSUE - 1

CHIEF PATRONS:



Sri. A. C. Shanmugham
Chairman,
RR Group of Institutions



Sri. A. C. S. Arun Kumar
Vice-Chairman,
RR Group of Institutions

PATRONS:

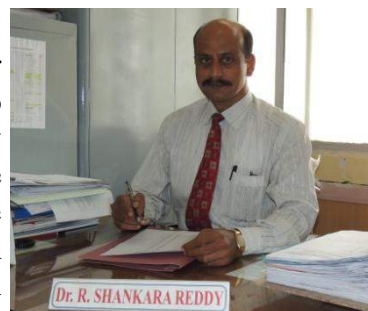
Sri. Vijayanand .S
Executive Director,
RR Group of Institutions

Sri. S. Jayabalan
Special Officer,
RR Group of Institutions

Dr. M. S. Bhagyashekar
Principal,
RRCE, B'luru

Editorial Board

My heartily welcome to the first issue of our **Department Newsletter December 2014** and also first news letter at RRCE. I am indeed very happy and proud in bringing this newsletter about the latest developments and programs in the department. News letter acts as a communication channel among the alumni, faculty, students and experts in Mechanical Engineering.



Prof. Dr. R. Shankara Reddy

We are very much grateful to the Management and Principal for their continuous encouragement, inspiration and support extended for the release of this “NEWS LETTER”

“Necessity is the mother of Invention”, Initiation, Inspiration, Inventions, Innovations and Challenges are never ending programs of the universe. Every investigation big or small counts but always begins with a single step. Mecholites, the ‘Evergreen’ all rounder engineers have immense potential within them. This potential can be transformed into academic and research activities by waking up their minds.

“The Archer is known for his ability but not for his Arrow..!”

Department at a Glance:

The Department of Mechanical Engineering was started in the year 2006 has initial intake of 60 students strength, increased to 120 during academic year 2014-15 has highly qualified faculty with good blend of experience from both Academics and Industry. The department has well equipped laboratories with advanced software's. Within a span of 8 years the department has reached ‘Center of Excellence’ by attaining good academic results, conducting many seminars, conferences, workshops, FDPs, Industry - Institute Interactions at

Courses Offered:

UG Programme	:	B.E. (4 Years Course)	(Full Time)
PG Programme	:	M.Tech (2 Years Course)	(Full Time)
R and D Programme	:	M. Sc. Engg. (By Research)	(Full Time/Part Time)

INSIDE...

Faculty Profiles	– 2	Student Achievements	– 8
Vibrazone	– 4	Individual Achievements	– 9
Department Infrastructure	– 5	Publications	– 10
Department Achievements	– 6	Photo Galleries	– 13
R&D Center	– 7		

Dr. M. S. Bhagyashekar, PhD
Professor and Principal
Specialization: Polymer Composites



Dr. R. Shankara Reddy, PhD
Professor and Head, Mech. Engg.
Specialization: Ceramic Composites



Dr. S G Sangasetty, PhD
Professor
Specialization: Thermal Power Engg.



Prof. N Sreenivasalu Reddy
Associate Professor
Specialization: Thermal Power Engg.



Prof. Thanuj Kumar .M
Associate Professor
Specialization: M.Tech, Manufacturing Science and Engineering, (PhD)



Prof. Pramod V. Koujalagi
Associate Professor
Specialization: M.Tech, Production Engineering



Prof. Anand .A
Assistant Professor
Specialization: M.Tech, CIM



Prof. Dhananjay .B .S
Assistant Professor
Specialization: M.Tech, CIM



Prof. Praveen Kumar .S .P
Assistant Professor
Specialization: M.Tech, PEST



Prof. Bheemrao D. Wadekar
Assistant Professor
Specialization: M.Tech, Thermal Power Engineering



Prof. Madhu .K .S
Assistant Professor
Specialization: M.Tech, Thermal Power Engineering



Prof. Satheesha V
Assistant Professor
Specialization: M.E, Thermal Engg.



Prof. Radhakrishna .R .K
Assistant Professor
Specialization: M.Tech, Machine Design



Prof. Ravi Kumar .T
Assistant Professor
Specialization: M.Tech, Machine Design



Prof. Jogi Adarsh .S
Assistant Professor
Specialization: M.S in Mech./ Aerospace Engg. /CFD, USA.



Prof. Mahendra H
Assistant Professor
Specialization: M.Tech Machine Design

Prof. Yellappa
Assistant Professor
Specialization: M.E Manufacturing Science

Prof. Ramesh Gowda
Assistant Professor
Specialization: Thermal Power Engineering

Prof. K. Shivalingaih
Assistant Professor
Specialization: M.E Machine Design

Prof. K C Vishwanath
Assistant professor
Specialization: M.Tech Machine Design

Prof. Madhusudhana .S
Assistant Professor
Specialization: M.Tech, Machine Design

Association of Mechanical Engineering

Department Association called “**VIBRAZONE**” was formed in the year 2010. In order to provide a platform for the students and faculty to present and share their ideas, thoughts and findings and to conduct expert lectures, seminars, workshops, symposiums, conferences etc. This also aims in bringing pioneers in mechanical engineering from academia, industry, R &D, etc. so as to ignite the young engineering minds to drive them towards the excellence in Mechanical Engineering Science and Technology.



Events / Programs organized under the umbrella of VIBRAZONE

- 1) One Day State Level Workshop on “Mechatronics” on 21st Oct 2014.
- 2) Two Days National level Workshop on “Computational Fluid Dynamics” on 22nd and 23rd Oct 2014 in collaboration with mathematics department of RRCE.
- 3) Technical Seminar on “Nanotechnology” by Dr. Martin Zeebraz, Dean VTU, Principal - Dr. AIT, Bengaluru.
- 4) Technical Seminar on “Energy Options for Future” by Dr. A. Ramachandra Prof. and Dean, AMC College of Engineering.
- 5) Two Days National Level Workshop on “I-ROBOTICS” in collaboration with M/s Robosapiens India Pvt. Ltd. and IIT Kharagpur.
- 6) ace Division of HAL, Toyota Kirloskar at Bidadi and Sansera Engineering Pvt. Ltd. at Bommasandra Industrial Area, Bengaluru.
- 7) Industrial Visit to Engine Division, HAL, Bengaluru was organized.

Committee Members

Chairman:

Dr. Shankara Reddy .R

Secretary:

Anand .A

Joint Secretary:

Radhakrishna .R .K

Treasurer:

Ravi Kumar .T

Student Members:

- 1) Kushal, 7th Sem
- 2) Ranganathan, 7th Sem
- 3) Rehan, 7th Sem
- 4) Sashwath, 5rd Sem
- 5) Abilash, 5rd Sem
- 6) Sathwik, 5rd Sem



Laboratories**Infrastructure**

“.....I couldn't fix your brakes. So

1. Workshop Practice
2. Computer Aided Engineering Drawing Lab
3. Computer Aided Machine Drawing
4. Metallographic and Material Testing Lab
5. Foundry and Forging Lab
6. Mechanical Measurements and Metrology Lab
7. Machine Shop
8. Fluid Mechanics Lab
9. Energy Conversion lab
10. Computer Aided Modeling and Analysis Lab
11. Heat and Mass Transfer Lab
12. CIM and Automation Lab
13. Design lab
14. Research and Development (R&D) Lab

Common Facilities in the Dept. and College:

1. Central Library
2. Department Library
3. Digital Library
4. Laboratory Facilities
5. Common Computing Facility
6. “EDUSAT” Program
7. “NPTEL” Program
8. Industrial Visits
9. News Letters at Department and College Level.
10. Personality Development Programmes.
11. Placement Activities.
12. Sports (Indoor and Out Door Games)
13. Cultural Activities and Co-Curricular Activities.
14. Deputing Students with sponsorship to Participate in Sports at Intercollegiate, University, State and National Level.
15. Deputing Students sponsorship to participate in Workshops, Symposiums, Conferences, Seminars at University, National and International Level.
16. Deputing faculties with sponsorship to participate and present papers in workshops, symposiums, conferences, seminars at national and international levels.
17. NSS Activities to develop “Institute - Society” Interaction.

Seminars:

1 One day Seminar on Alternative fuels conducted on 7th Feb'2014 for the benefit of UG & PG Students, Guest faculty are, Dr. A. Ramachandr Prinicpal & deirector , Dr. R.Shankar Reddy, Dr. M.S.Bhagyashekar & dr. S..G.Sangashetty the Topics covered are Biofuels,Biomass,oilsales etc.

Workshops:

1. Two days National workshop on “ Latest trends in Heat exchanger design Analysis & Selection at PES University Bangalore on 23-24 Dec'2014 by Dr.S.G.Sangashetty, Prof. N. srinivasulu reddy,PG Scholars Anoop P S & Hashkumar.

Faculty Development Program:

1. Five Days “Faculty Development Program (FDP)” on “Computer Aided Engineering Drawing (CAED)” held on 8th Dec to 12th Dec 2014.

Industrial Visits:

1. M/s. Kenna Metal Ltd, Bangalore.
2. Electro Plast India Limited

Our Sponsors for some of the above Events



FL
EN



Dignitaries at our Dias



Padmasri Prof. R. M. Vasagam



Dr. R. M. V. G. K. Rao



Dr. S. A. Kori
Mr. Vijayanand .S (ED)









Dr. M. K. Muralidhara



Dr. R. S. Kulkarni
Dr. A. Ramachandra



Dr. Martin Jeebraz

4th Year, Batch (2011-15)					
6th Semester			7th Semester		
					
Ajay Prajapathi 86%	Pernabas N 74%	Abilash 72%	Ajay Prajapathi 85%	Pernabas N 73%	Pavan Kumar 69%

Faculty Achievements (2014-15)

- 1) Dr. S. G. Sangashetty, N. Srinivasulu reddy, Dr. R. Shankar Reddy & dr. M. S. Bhagyashekar have presented paper entitled "Material Optimization of Desiel Engine Piston" at 2-Days Nation Conference on Innovation in Mechanical Engineering at MIST Madanapalle (AP) on 18-19 Dec'2014.
- 2) N. Sreenivasalu Reddy, K. Rajagopal, P.H Veena and V.K Pravin, A Momentum Interpolation Method for Laminar Incompressible flows, International Journal of Research, Volume 1, Number 7 (2014), pp. 327- 332.
- 3) Anjan H, N. Sreenivasalu Reddy, Kanchiraya, Pressure Based Method for Solving Viscous Incompressible Flows using Rhie and Chow Interpolation, International Journal of Engineering Research, Volume 3, Number 3 (2014), pp. 2347-5013.
- 4) Dr. S. G. Sangashetty, B.D. Wadekar, Dr. R. Shankara Reddy & M/.S. Bhagyashekar have published paper entitled "Design & fabrication of solar power howercraft" at National Conference on Emerging Trends in Mechanical Engineering and Materials on 30-31st Oct'2014 held at Basavakalyan College of Engineering Basavakalyan.
- 5) Dr. S. G. Sangashetty, Promod Koujalgi, Dr. R. Shankara Reddy & M/.S. Bhagyashekar have published paper entitled "Design & fabrication of Conceptual miniaturization of Winnowing Machine" at National Conference on Emerging Trends in Mechanical Engineering and Materials on 30-31st Oct'2014 held at Basavakalyan College of Engineering Basavakalyan.
- 6) Dr. S. G. Sangashetty, Manjunath, Nandini Sangashetty & Carine Desoza have published paper entitled "Comparision of electric battery power vehicle on Emerging Trends in Mechanical Engineering and Materials on 30-31st Oct'2014 held at Basavakalyan College of Engineering Basavakalyan.

- 7) Varunkumar Reddy, Dr. S.G.Sangashetty, Prashant reddy & Dr, H. P Raju have published paper titled “Experimental Investigation to Improve the Performance of Fluidized Bed cooling Tower for Various Con figurations” in International Journal of Engineering Research & technology, Vol.3 Issue 11,Nov’2014.

Photo Galley



EDITORIAL BOARD:

Dr. M. S. Bhagyashekar
Principal, RRCE, B'luru

Dr. R. Shankara Reddy
Professor and Head, Dept. of Mech. Engg

Dr. S G Sangashetty,
Professor & P G Coordinator

Contact Details:

Dr. Shankara Reddy .R,
Prof. and Head - Mech. Engg. Dept.
Mobile: +91-9901167699
Email: mechengg@rrce.org
Phone: +91-080-28437124
Website: www.rrce.org