

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'12

NEWSLETTER

VOLUME - 1 ISSUE - 1

CHIEF PATRONS:



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Chairman,
RR Group of Institutions



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RR Group of Institutions

PATRONS:

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RR Group of Institutions

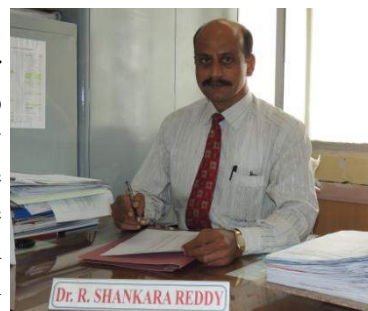
Dr. M. Murugesh Mudaliar
Rector,
RR Group of Institutions

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 2012** 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, Rector 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 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 6 years the department has reached ‘**Center of Excellence**’ by attaining good academic results, conducting many seminars, conferences, workshops, FDPs, Industry - Institute Interactions at State and National levels.

Courses Offered:

UG Programme : B.E. (4 Years Course) (Full Time)
R and D Programme : M. Sc. Engg. (By Research) (Full Time/Part Time)
Ph. D (Doctoral Degree) (Full Time/Part Time)

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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

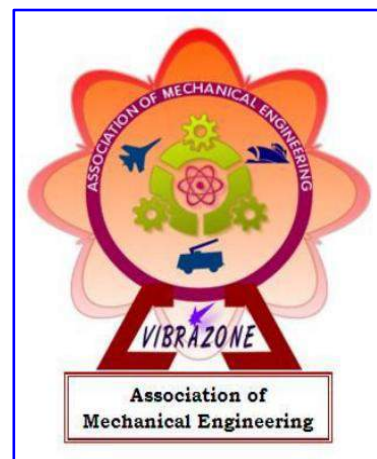


Prof. Jogi Adarsh .S
Assistant Professor
Specialization: M.S in Mech./ Aerospace Engg. /CFD, USA.



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 2010.
- 2) Two Days National level Workshop on “Computational Fluid Dynamics” on 22nd and 23rd Oct 2010 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) Two Days National Level Conference on “Emerging Trend in Mechanical Engineering - ETME'12” was conducted on 24th and 25th of Feb 2012.
- 7) Teachers Day, Engineers Day, Farewell, etc., were celebrated under the banner of Association of Mechanical Engineers.
- 8) Alumni Day is also celebrated under this Association.
- 9) Industrial Visits were also conducted to companies like Aerospace Division of HAL, Toyota Kirloskar at Bidadi and Sansera Engineering Pvt. Ltd. at Bommasandra Industrial Area, Bengaluru.
- 10) 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) Zeeshan Ahmed, 7th Sem
- 2) Kumarshaktick, 7th Sem
- 3) Arjun, 7th Sem
- 4) Kushal, 5th Sem
- 5) Ranganathan, 5th Sem
- 6) Rehan, 5th Sem
- 7) Sashwath, 3rd Sem
- 8) Abilash, 3rd Sem
- 9) Sathwik, 3rd Sem



Laboratories

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. Simulation Techniques in Engineering by M/s Infosys, Bengaluru.
2. Product Life Cycle Management by M/s Global Talent Track, Bengaluru.
3. Energy Options for Future by Dr. A Ramachandra, AMC College of Engg., Bengaluru.
4. Role of Engineers in Modern Society by M/s. Rail Wheel Factory, Bengaluru.
5. Nanotechnology by Dr. Martin Jebraz, Dr.AIT, Bengaluru.
6. An overview of Composite Materials by Dr. R. Shankara Reddy, RRCE, Bengaluru.
7. Mechanical Engineering Challenges and Vision by Dr. M. A. Murtaza, RRCE, Bengaluru.
8. Finite Element Analysis [FEA] - A powerful tool in Bio-Medical Applications by Dr. C.S.Ramesh, PESIT, Bengaluru.

Workshops:

1. Two day National level workshop on **“I-ROBOTICS”** in collaboration with M/s Robosapiens India Pvt. Ltd. and IIT Kharagpur.
2. Two day National level workshop on **“Computational Fluid Dynamics [CFD]”**
3. One day State level Work Shop on **“Mechatronics”**
4. Two Days Orientation Program in **Mechanical Engineering**

Conference:

Two Days National Level Conference on **“Emerging Trends in Mechanical Engineering” ETME'12** was held on **24th and 25th Feb 2012**. Total 55 papers were received for the conference out of which 40 papers have been published in the conference proceedings.

Published Proceedings has ISBN Certification.

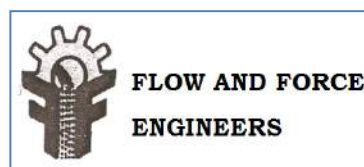
(ISBN No: 978-93-5051-654-6)

Faculty Development Program:

1. Three Days “Faculty Development Program (FDP)” on “Computer Aided Engineering Drawing (CAED)” held on 31st Jan to 2nd Feb 2011.
2. Fifteen Days “Faculty Development Program (FDP)” on “Preparation and up gradation of Mech. Engg. Lab Manuals” held on 3rd to 21st Sep 2012.

Industrial Visits:

1. M/s. Tayota Kirloskar Ltd. Bidadi, Bangalore.
2. M/s. HAL, Aerospace Division, New Thippasandra, Bangalore.
3. M/s. SANSERA Engineering India Pvt. Ltd, Bommasandra, Bangalore.
4. M/s. HAL, Engine Division, Bengaluru.

Our Sponsors for some of the above Events



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

Passed-out, Batch (2008-12)

8th Semester

Finaviya Chirag
85%



Gagan .T.M
83%



N. S. Ranjan
80%

7th Semester

Finaviya Chirag
76%



Ravendra
74.5%



N. S. Ranjan
72%

Passing-Out, Batch (2009-13)

6th Semester

Zeeshan Ahmed
80%



Nikhil P Joshi
78%



Sharath Kumar
76%

5th Semester

Nikhil P Joshi
78%



Sharath Kumar
76%



Zeeshan Ahmed
73%

Pre-Final Year, Batch (2010-14)

4th Semester

Pavin.T.F
86%



Raghuveer .A .L
76%



Mohan.S
74%

3rd Semester

Pavin.T.F
83%



Venkatesh P
80%



Raghuveer .A .L
80%

2nd Year, Batch (2011-15)2nd Semester

Ajay Prajapathi
86%



Pernabas N
74%



Abilash
72%

1st Semester

Ajay Prajapathi
85%



Pernabas N
73%



Pavan Kumar
69%

Students



Sameeksha .V studying in **5th Sem** is an expert in yoga and has won many national and international championships and awards such as Dasara International yoga championship, Best Yoga Champion, Yoga Sadhaka award, Bharatha Yoga Nidi Award, Bharatha Ratna Dr. B. R. Amedkar State Award, Vishvamanava Shree Award, and many more. Due to her dedicated involvement, she is serving many yoga centers in and around Ramanagaram and Bengaluru in many levels. We wish her good future endeavors.

Leon Emanuel .N studying in **2nd Sem** secured **Runner-up** in National Level Basketball Finals at New Delhi. (Mahindra NBA Challenge finals.)



Faculty Achievements (2011-12)

- 1) **Thanuj Kumar .M and Dr. M. S. Bhagyashekar** presented a paper at Two Days National Conference on “Emerging Trends in Mechanical Engineering” **ETME’12** held on 24th and 25th February 2012 at RRCE, Bengaluru.
- 2) **Madhu .K .S** and Manjunath .S presented a paper at Two Days National Conference on “Emerging Trends in Mechanical Engineering” **ETME’12** held on 24th and 25th February 2012 at RRCE, Bengaluru.
- 3) **Madhu. K.S** and T. Srinath published paper in International Journal of Scientific and Engineering Research on “**Design and Development of Multi - Zone Conveyor Curing Furnace for FRP Composites**” held on Sep. 2012.
- 4) **Madhu .K .S and Wadekar .B .D** published paper in International Journal of Scientific and Engineering Research on “**Intelligent Two Axis Solar Tracking System with Mechanical Application**” held on Sep. 2012
- 5) **Dr. Shankara Reddy .R** received “**Certificate of Excellence**” for securing 100% results in the subject “**Foundry Technology**”.
- 6) **Dhananjay .B .S** received “**Certificate of Excellence**” for securing 100% results in the subject “**Engineering System Design**”.
- 7) **Pramod V. Koujalagi** received “**Certificate of Excellence**” for securing 100% results in the subject “**Total Quality Management**”.
- 8) **Praveen Kumar .S .P** received “**Certificate of Excellence**” for securing 100% results in the subject “**Control Engineering**”.
- 9) **Ravi Kumar .T and Radhakrishna R.K** attended 5 Days FDP on “Finite Element Analysis and its Applications” held at MIT, Mysore from 11th -15th June-2012.
- 10) **Madhu .K.S and Wadekar .B .D** attended One Day National Workshop on “Computational Fluid Dynamics” on 28th Sep 2012.

2010-11

1. R.Balakrishna, U.Rajeswar Rao, G.A.Ramachandra, **M.S.Bhagyashekar**,” Performance Issues on AODV and DSDV for MNAETS”, has been accepted for publication in the Journal of Theoretical and Applied Information Technology. (IJTIT).
2. R.Balakrishna, U.Rajeswar Rao , G.A.Ramachandra, **M.S.Bhagyashekar**, “Performance issues on AODV and AOMDV for MANETS" in International Journal on Computer Science and information Technology(IJCSIT), Vol 01,Issue 02, Pp. 30-48.
3. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S** “Prediction on Tribological Properties of Al6061-SiC MMCs Using Artificial Neural Networks, Communicated to journal of Materials and Design, JMAD-D-10-00459”
4. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S** “Mechanical and Tribological behavior of Particulate Reinforced Aluminum Metal Matrix Composites - a review, communicated to journal of Composites Science and Technology.
5. R.Balakrishna, U.Rajeswar Rao, G.A.Ramachandra, **M.S.Bhagyashekar**,” Trust-based Routing Security in MANETS”, / (IJSE) International Journal on Computer Science and Engineering Vol. 02, No. 03, 2010, 534-540
6. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, “Effect of SiC Reinforcement in Al6061 Alloy”, International Journal of Emerging Technologies and Applications in Engineering, Technology and Sciences” (IJ-ETA-ETS) Volume 3, Issue 1, pp.140-147, Jan 2010 - June 2010.
7. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, “ Wear Resistance Assessment of Al6061-SiC Composites using Wear Endurance Index”, Proceedings of an “International Conference on Materials, Mechanics and Management (IMMM2010)”, 14th to 16th, January, 2010, at College of Engineering Trivandrum, Tiruvananthapuram, Kerala.
8. K.S.Madhu, G.S.Shiva Shankar, T. Srinath “DESIGN AND DEVELOPMENT OF MULTI - ZONE CONVEYOR CURING FURNACE FOR FRP COMPOSITES “International Conference On Advanced Materials, Manufacturing, Management and Thermal Sciences 18-19th November 2010 SIDDAGANGA INSTITUTE OF TECHNOLOGYTUMKUR-572103, Karnataka[AMMMT – 2010]

2009-10

9. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, “Prediction of Wear of Al6061-SiC Metal Matrix Composites using Artificial Neural Networks”, International Journal of Computer Applications in Engineering, Technology and Sciences (IJ-CA-ETS) Volume 2, Issue 1, pp. 498-505, October 2009 – March 2010.
10. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, “Studies on Al6061-SiC and Al7075-Al₂O₃ Metal Matrix Composites”, Journal of Minerals and Materials Characterization and Engineering, (JMMCE), USA, Volume 9, no.1, pp.47-59, 2009.
11. Veeresh Kumar.G.B, C.S.P.Rao, **Bhagyashekar.M.S.**, Selvaraj.N “Mechanical and Tribological Behaviour of Al7075-Al₂O₃ Composites”, Journal of Manufacturing Engineering, Volume–4, Issue – 2, 2009.
12. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, “ Wear Resistance Assessment of Al6061-SiC Composites using Wear Endurance Index”, Proceedings of an “International Conference on Materials, Mechanics and Management (IMMM2010)”, 14th to 16th, January, 2010, at College of Engineering Trivandrum, Tiruvananthapuram, Kerala.
13. C.R.Prakash Rao, **M. S. Bhagyashekar**, and Narendra Viswanath, ”Investigative Studies on Machining of En8 Steel Brazed Cutting Tools an Experimental Approach” National Conference, AME - 09, 30th – 31st March 2009, Don Bosco Institute of Technology, Bangalore.
14. C.R.Prakash Rao, **M. S. Bhagyashekar**, and N.Nagaraja,” Influence of Back Rake Angle on Forces and Chip Thickness Ratio- Experimental Approach” National Conference, AME - 09, 30th – 31st March 2009, Don Bosco Institute of Technology, Bangalore.
15. Veeresh Kumar.G.B, C.S.P.Rao, Selvaraj.N, **Bhagyashekar.M.S.**, “Studies on Physical and Tribological Properties of Al6061-SiC Composites”, proceedings of an International Conference and Exhibition on Total Engineering, Analysis and Manufacturing Technologies (Team Tech 2009) 19th to 21st Nov 2009, at Jnana Jyothi Auditorium, Bangalore University, Bangalore, India.
16. Veeresh Kumar.G.B, C.S.P.Rao, **Bhagyashekar.M.S.**, Selvaraj.N “Mechanical and Tribological Behaviour of Al7075-Al₂O₃ Composites”, proceedings of the International Conference on Recent Advances in Materials Processing Technology (RAMPT'09) February 25th – 27th, 2009, National Engineering College, K.R. Nagar, Kovilpatti, Tamil Nadu, India.

2008-09

17. **Thanuj Kumar M.**, Raghavendra .N, “Design and Fabrication of Semi Automatic Robot used in Multi - Storey car parking”, at National Conference on “Recent Trends in Mechanical Engineering, RTME ‘09, Vemana .I .T, Bengaluru held on 23rd and 24th November 2009.
18. **Thanuj Kumar M.**, Raghavendra .N, “Simulation of Tribosystems and Tribometry”, at National Conference on “Recent Trends in Mechanical Engineering, RTME ‘09, Vemana .I .T, Bengaluru held on 23rd and 24th November 2009.
19. Shivarudraiah .S, **Suresh. R.**, “Study of microstructure and Hardness of Equal Channel Angular Extruded 7075Al Alloys” – Journal of Manufacturing Engineering, RAMPT-2009 at National Engineering College, Kovilpatti, Tamilnadu.
20. **M. S. Bhagyashekar**, Kavitha and R. M. V. G. K. Rao “Studies on Rheological and Physical Properties of Metallic and Non-metallic Particulate Filled Epoxy Matrix Composites”, **Journal of Reinforced Plastics and Composites**, on line First Nov – 2008.
21. **M. S. Bhagyashekar**, R. M. V. G. K. Rao “Studies on Mechanical Properties of Metallic and Non-metallic Particulate Filled Epoxy Matrix Composites”, **Journal of Reinforced Plastics and Composites**, on line First Nov – 2008.
22. Veeresh Kumar.G.B, C.S.P.Rao, **Bhagyashekar.M.S.**, Selvaraj.N “Mechanical and Tribological Behaviour of Al6061-SiC_p Composites”, proceedings of the International Conference on Recent Trends in Materials and Mechanical Engineering (ICMM2008) 18th – 20th December 2008, Dr.Mahalingam College of Engineering and Technology, Pollachi, Tamil Nadu, India.
23. Veeresh Kumar.G.B, C.S.P.Rao, **Bhagyashekar.M.S.**, Selvaraj.N “Mechanical Properties of Particulate Reinforced (Al6061-Al₂O_{3p} and Al7075-SiC_p) Composites”, proceedings of the International Conference on Micro Electro Mechanical Systems (MEMS - 08) 22nd – 23rd October 2008, Anjuman Engineering College, Bhatkal, Karnataka, India.
24. C.R.Prakash Rao, N. Nagaraj, **M.S Bhagyashekar**, “Effect of Back Rake Angle On Cutting Force And Surface Finish In Turning Application” Proc. of Nat. Conf. ETIME, BMS College of Engineering, Bangalore Aug 28-29, 2008.
25. Shivarudraiah .S, **Suresh. R.**, “Grain refinement and mechanical properties of Al7075 alloy by equal channel angular extrusion” – International conference on Composites/NANO Engineering (ICCE-16), Vol.5 No.4, July 20-26, 2008 in Kunming, CHINA. (**World Journal of Engineering**)
26. Shivarudraiah .S, **Suresh. R.**, “Effect of severe plastic deformation on mechanical properties of Al 7075 alloy” – International Journal of Emerging Technologies in Engineering, Technology and Science (IJ-ETA-ETS), 2008, AES journal.
27. Shivarudraiah .S, **Suresh. R.**, “Effect of Equal Channel Angular Pressing (ECAP) on the Super Plastic Behavior of 7075Al Alloys” –International Journal on Mechanical and Automobile Engineering (IJMAE), 2008.
28. Shivarudraiah .S, **Suresh. R.**, “The influence of the equal channel angular pressing on the super plastic behaviors of Aluminium alloy”, Emerging materials and Technologies for India-2020,Tiruchirappalli-620015. 2008.
29. Shivarudraiah .S, **Suresh. R.**, “Effect of Equal channel Angular Pressing on Micro structural and Mechanical properties of 7075 Aluminum Alloy”, Recent Trends in Mechanical Engineering Sciences “RTIMES-2008”. SSIT, Tumkur-572105, 2008.
30. Shivarudraiah .S, **Suresh. R.**, “Microstructure and Hardness of Equal Channel Angular Extruded Al6061 Alloys”, TEAMTECH-2008, IISC, Bangalore-04, 2008.
31. Shivarudraiah .S, **Suresh. R.**, “Study on effect of severe plastic deformation on the super plastic behavior of aluminium alloy (7075)”, Application of FEM in Mechanical Engineering. The Oxford College of Engineering, Bangalore-68, 2008.
32. Venkatesh B.N. and **M. S. Bhagyashekar**, “ Residual Stress Analysis of Single Pass Butt Joint Welded Plate Using ANSYS”, National Conference on Challenges in 2020-Mechanical Engineering Perspective, AVS College of Engineering, Mannampandal, Mayiladuthurai, TN, India, 14, 15 March 2008.

Up to 2008

33. **M.S. Bhagyashekar**, R M V G K Rao, "Effects of material and test parameters on the wear behaviour of particulate filled composites Part I: SiC-Epoxy and Gr-Epoxy composites", JRPC. Nov 2007.
34. **M.S. Bhagyashekar**, R M V G K Rao, "Effects of material and test parameters on the wear behaviour of particulate filled composites Part II: Cu-Epoxy and Al-Epoxy composites", JRPC, Nov 2007.
35. **Thanuj Kumar .M**, M. A. Md. Aqhil Ahmed, S. K. Patel, "Finite Element Estimation of Fracture Parameters for Functionally Graded Materials", at International Conference on Advanced Design and Manufacturing, ICADM-2007, Madhurai, Tamil Nadu, held on 09th to 11th August, 2007.
36. Shivarudraiah .S, **Suresh. R**, "Performance Analysis on Array of circular fins through forced convection", Engineering Design and Analysis Forum, M.S Ramaiah Memorial Auditorium, Bangalore, 2007.
37. Shivarudraiah .S, **Suresh. R**, "Effect of thermal aging on machining characteristics of aluminum based hybrid composites", National Institute for Interdisciplinary Science and Technology CSIR, Trivandrum, 2007.
38. Shivarudraiah .S, **Suresh. R**, "Study on Effect of severe Plastic Deformation on Alluminium alloy", 52nd Congress of ISTAM, B.N.M. Institute of technology-Bangalore-70, 2007.
39. Shivarudraiah .S, **Suresh. R**, "Evaluation of Mechanical properties of Aluminum 7075 based hybrid composites", Global conference on Production and Industrial Engineering held at Dr. BR Ambedkar NIT, Jalandhar, Punjab, 2007.
40. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Evaluation of Effective Elastic Modulus SiC/SiC CMC System without cracks", NCRMA-2005, 18-19 Feb.2005, NIT Rourkela.
41. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Thermal Expansion behavior of Alumina/SiC CMC System with cracks at Elevated Temperatures", NATCON.ME-2005, 11-12 March 2005, GCE, Ramanagaram.
42. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Evaluation of Apparent Elastic Moduli for Mulite/Alumina Ceramic Matrix Composites Using Finite Element Method", 50th Congress of ISTAM (IIT Kharagpur), An International Meet, 27-30 Dec. 2005, NIT Rourkela.
43. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, Lokesh .G, "Evaluation of Effective Elastic Modulus of fiber reinforced CMCs without cracks" NACAMES-04, 24-25 Sept. 2004, SSIT, Tumkur.
44. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, M. R. Shiva Kumar, "Evaluation of Effective Elastic Modulus of fiber reinforced CMCs with cracks", 49th Congress of ISTAM (IIT - Kharagpur), An International Meet, 27-30 Dec. 2004, NIT Rourkela.
45. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, M. R. Shiva Kumar, "Evaluation of Effective Coefficient of Thermal Expansion of fiber reinforced CMCs without cracks", NATCON.ME-2004, 12-13 March 2004, MSRIT, Bangalore.
46. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Evaluation of Effective Coefficient of Thermal Expansion of fiber reinforced CMCs with cracks", TEAM TECH-2004, International Conference, 2-4 Nov. 2004, IISc. Bangalore
47. Dr. K.S.S. Aradhya, **R. Shankara Reddy**, "Thermal Effect on Effective Elastic Modulus for Alumina/SiC CMC System with varying Crack densities", DESCON-2004, 19-20 Nov.2004, MSRIT, Bangalore.
48. **M.S. Bhagyashekar**, C.S. Ramesh, Saleemkhan, "Preliminary studies on stress corrosion failure of Al alloy-SiC composites", National conference on Mechanical Engineering, NATCN.ME-2004, MSRIT, Bangalore, Mar. 2004.
49. **M.S. Bhagyashekar**, C.S. Ramesh, A. Ramachandra, "Machinability of metal matrix composites", National Conference on 'Advances in Mechanical Engineering', NAME-2004, JNNCE, Shimoga, 12-14 Feb. 2004.
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Message from the Co-Editor

Welcome to the first issue of our Department's Newsletter..! We are pleased to present this newsletter to you as a way of our keeping the campus community updated on the exciting new developments in our department. It will be published every semester in print as well as be available on our college webpage.

A "pdf" version will be emailed out to all our Alumni's, Students, Faculties, many companies and in our College Website. Please feel free to email your comments and any news you would like to share with fellow readers to Mr. Thanuj Kumar .M at thanuj369@yahoo.in, who is the Co-Editor for this newsletter. **We hope to hear from you..!**



Prof. Thanuj Kumar .M