

Mr. BALAJI.V B.E, M-Tech, (Ph.D)

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Kolar Dt

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Academic Qualification:

Course	Branch	Institution	University/ Board	Year of Passing	% of Marks(Agg)
Ph.D	Mechanical	VTU-RRC	VTU, Belgaum	Pursuing	---
M - Tech	Manufacturing Science & Engg.	Ghousia College of Engg, Ramanagaram	VTU, Belgaum	2012	78.95%
B.E	Mechanical	East – West Institute of Technology, Bangalore.	VTU, Belgaum	2008	65.67%
Diploma	Mechanical	Ananda Marga Polytechnic, Malur.	Board of Technical Education, Bangalore	2005	65.59%

Academic Experience:

Assistant Professor:

Department of Mechanical Engineering, **Sri Sairam College of Engg**, Bangalore from July 2012 to till date.

Nature of Job:

Teaching under Graduate students in the field of Mechanical Engineering related subjects like Hydraulics and Pneumatics, Control Engg, Tool Deisgn, Manufacturing Process-I.

LECTURER: Department of Mechanical Engineering, **Ananda Marga Polytechnic, Malur, Kolar Dt** from July 2008 to August 2010.

Nature of the Job: Teaching Diploma students in the area Mechanical Engineering related subjects like Engineering Mechanics, Strength of Materials, Fluid Mechanics, Theory of Machines, CNC Machines, Estimation & Costing, and Manufacturing Technology. Guiding Diploma student projects in Composite materials related area.

Publications:

- 1. Optimization of location and size of opening in a pressure vessel cylinder for spherical and elliptical head Jagadish kumar, Srikumar Biradar, Balaji V Volume: 03 Special Issue: 03 | May-2014 NCRIET-2014 .**
- 2. Wear and Mechanical Behavior of Aluminum Reinforced with Kyanite and Graphite Particulates Transactions on Engineering and Sciences ISSN: 2347-1964 (Online) 2347-1875 (Print) Vol.3, Issue 4, April-June 2015.**
- 3. Design and Development of Hand Lay Up Polymer Composites for an Aerospace Application. Transactions on Engineering and Sciences ISSN: 2347-1964 (Online) 2347-1875 (Print) Vol.3, Issue 4, April-June 2015.**
- 4. Effect Of Temperature On Peristaltic Transport Using erschel-Bulkley Fluid Transactions on Engineering and Sciences ISSN: 2347-1964 (Online) 2347-1875 (Print) Vol.3, Issue 2, February 2015.**
- 5. Study on Mechanical Behaviour of Aluminum - Kyanite Composites Transactions on Engineering and Sciences ISSN: 2347-1964 (Online) 2347-1875 (Print) Vol.2, Issue 12, December 2014.**

Papers Presented:

a) International Conference:

- 1. Presented a Paper titled “Pedal operated water Pumping system” in the international conference organized by IFERP in association with Sri Sairam College of Engg, Bengaluru.**
- 2. Presented a paper titled “ Automatic Sewage Cleaning Machine” in the international conference organized by IFERP in association with Sri Sairam College of Engg, Bengaluru.**
- 3. Presented a paper titled “ Fabrication of Pneumatic Operated Bullock Cart Trailer” in the international conference organized by IFERP in association with Sri Sairam College of Engg, Bengaluru.**

b) National Conference:

1. Presented a Paper titled **“Wear and Mechanical Behavior of Aluminum Reinforced with Kyanite and Graphite Particulates”** held at East Point College of Engineering and Technology, Bengaluru.
2. Presented a Paper titled **“Design and Development of Hand Lay Up Polymer Composites for an Aerospace Application”** held at Don Bosco Instiute of Technology, Bengaluru.
3. Presented a Paper titled **“Bladeless wind turbine using EWICON”** in 19th ISTE Karnataka State Faculty Convention held at Sri Sairam College of Engg, Bengaluru

Workshops / Seminars / FDP attended:

1. Participated in Technocamp-2011, a national level event on paper presentation held at Ghousia College of Engineering, Ramanagaram.
2. Participated in ISTE-SRM University sponsored short term training program on **“ NUMERICAL METHODS FOR FLUID DYNAMICS”** held at Adhiyamaan College of Engineering, Hosur.
3. Participated in Faculty Development Program on **“Industrial Hydraulics and Pneumatics”** conducted by VTU-VGST in Mysore.
4. Participated in **“FIVE DAYS FACULTY SKILL ENRICHED PROGRAMME”** held at Shirdi Sai Engineering College, Bengaluru.
5. Participated in four days FDP on **“IPR, STRESS MANAGEMENT & EFFECTIVE COUNSELLING TECHNIQUES”** held at Sri Sairam College of Engg, Bengaluru.
6. Participated in FDP on **“Future Challenges for the Techno Professional Faculty”** held at Sri Sairam College of Engg, Bengaluru.
7. Participated in 3 days FDP on **“Innovative Teaching Pedagogy and student Management”** held at Sri Sairam College of Engg, Bengaluru.
8. Participated in seminar on **“ Skilling Tomorrow’s Engineers with advanced Product Development Capabilities”** organized by Siemens PLM Software and designtech solutions ltd held at Hotel Shangri-la, Bengaluru.
9. Participated in 4 days FDP on **“Outcome Based Education and Road Map for Accreditation”** held at Sri Sairam College of Engg, Bengaluru.
10. Participated in 3 days FDP titled **“FACTO2K17 (Funding, Authoring, Counselling, TQM & Oppurtunities in Entrepreneurship)** Organized by Sri Sairam College of Engg, Bengaluru.

Professional Summary:

1. Life Member of ISTE (Indian Society for Technical Education) # LM102229.
2. Of IEI
3. 4 times won the Academic Excellence award.
4. Certified as Qualified Internal Auditor for ISO 9001: 2000 & ISO 9001: 2008.
5. Organized 2 days International Conference on Applied Science Engineering and Technology held at Sri Sairam College of Engineering in association with IFERP.
6. Worked as co-opt BOE coordinator of VTU B.E Examination under the ME Board chairman Dr.Y.Vijaya Kumar during Dec/Jan 2016-17 and June/July 2017 Examinations.
7. Actively participated in various sports activities like volley ball, Kho-Kho for inter school and college.
8. Participated in NCC during High school and received NCC 'A' certificate under SGT Rank.
9. Event organizer in all school and college annual day functions and other technical events.
10. Mentoring several Students projects as well as events both Nationals as well as international level.
11. Coordinator for various events like Sports, ISO, Time table etc
12. Organized 3 days FDP titled "FACTO2K17 (Funding, Authoring, Counselling, TQM & Oppurtunities in Entrepreneurship) in Sri Sairam College of Engg, Bengaluru.
13. Faculty co-ordinator for Go-Kart Design and Development organized by Imperial Society of Innovative Engineers (ISIE) at Sri Sairam College of Engg, Bengaluru.
14. Organized 2 days 3rd International Conference on Applied Science Engineering and Technology held at Sri Sairam College of Engineering in association with IFERP

Resposibilities held:

- Preparation & deliver Lectures
- Scheduling classes
- Documentation
- Assessment
- Feedback to Students on Performance
- Additional coaching for poor students.
- Student Counseling etc...

Technical Proficiency:

Computer Skills : Diploma in Computer Application, Auto CAD, Windows 2000, XP.

Academic Projects Undertaken:

Diploma: **Project Name:** Cocoon Deflossing Machine

Team Size : 6

Duration : 1 Year

B.E: **Project Name:** Mechanical and Wear Properties of Particulate Reinforced
Aluminium Composites (Al-6061 & Zircon)

Team Size : 4

Duration : 6 Months

M-Tech: **Project Name:** Study of Mechanical and wear behavior of Particulate
Reinforced Aluminium - Kyanite Composites

Team Size : 1

Duration : 6 Months

Ph.D (Pursuing) : **Title:** “Effect of ceramic fillers on mechanical, visco elastic and tribological
behavior of royal palm-glass/ epoxy hybrid composites”.

Guide: Dr. GOVARDHAN GOUD, Professor & HOD

Bahubali College of Engineering, Shravanabelagola

Status: Course Work Completed

References:

- **Dr. Y.Vijaya Kumar**, Professor & Principal, Sri Sairam College of Engineering, Bengaluru.
- **Dr. Govardhan Goud**, Professor & HOD, Bahubali College of Engineering, Shravanabelagola
- **Dr.A.R.Anwar Khan**, Professor and Head (Mechanical Dept.), Ghousia College of Engineering, Ramangaram.