

FACULTY PROFILE

Name of the faculty	Dr.BASAVARAJU.S	
Designation	ASSOCIATE PROFESSOR	
Contact Number	9916363315	
Email ID	basavarajus@sapthagiri.edu.in	

Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D	MECHANICAL ENGINEERING	BU	2018
M.E	Advanced Materials Technology	BU	2010
B.E	Mechanical Engineering	VTU	2007

Work Experience

Teaching	Research	Industry
10	10	-

Publications

Advanced Materials	Manufacturing Science and Engineering
Material Science	Modern Manufacturing
Artificial Intelligence	Robotics
Nano technology	Biomaterials
Smart Materials	Composite Materials

Subjects Taught

Manufacturing Processes	Computer Aided Machine Drawing/Elements of Mechanical Engineering	Material Science
Engineering Graphics/CAED	Smart Materials & MEMS	Additive Manufacturing/Rapid Prototyping
Fluid Mechanics	Mechatronics & Microprocessors	Composite Materials
Design for Manufacture	Advanced Manufacturing Practices	Foundry, Cryogenics

- LMISTE

Publications National/International Journals

1. Detailed Formulation and Programming Method for Piezoelectric Finite Element., International Journal of Pure & Applied Sciences & Technology, Nov2011, Vol. 7 Issue 1, 1-21.
2. Studies on Mechanical Properties and Tribological Characteristics of LM25-Graphite-Silicon Carbide and LM25-Flyash-Silicon Carbide-Hybrid MMC's International Journal of Innovative Research in Science, Engineering and Technology, IJRASET, Vol1, Issue-1, November 2012, 107-112.
3. Studies on Dynamic Mechanical Properties (DMA) of Nickel Nanoparticles in Polyester Matrix Composites, IJRASET, and Volume 6 Issue I, 1395-1402.
4. Dynamic Mechanical Properties of Effect of Nickel Oxide Nanoparticles in Polyester based Nanocomposites, IJRASET, Volume 6 Issue I, 2555-2560.
5. Studies on Compressive Strength of Nickel Nanoparticles fillers in Polymer Based Nanocomposites, 8th International Conference on Recent Engineering and Technology, ICRET, ISBN: 978-81-923607-3-7, (Journal of Computational Information systems 14:01-SP, 23-26)
6. A Comparative Study on Hardness and Compressive Properties of Nickel Oxide Nanoparticles Reinforced in Epoxy Based Nanocomposites.-2nd International Conference on Recent Research Emerging trends in Mechanical and Civil engineering, Reva University, Bangalore. (IJMPERD-SCOPUS)
7. Prepared YouTube channel for students and in active mode for introducing Flipping Classroom.
https://www.youtube.com/watch?v=ZdDXMbWj3pA&list=PLQx_u-sjffTJOLeibWNxc_m-zLIYBV0D5
https://www.youtube.com/watch?v=QkvHBc_xxGg&list=PLQx_u-sjffTKjmV8DXZ2tT_UVyGoPliWn
8. Google Scholar Profile: [tps://scholar.google.com/citations?user=j77_EaQAAAAJ&hl=en](https://scholar.google.com/citations?user=j77_EaQAAAAJ&hl=en)
9. E-Book Published:
<https://books.google.co.in/books?id=nnXADwAAQBAJ&pg=PP1&dq=A+Brief+Introduction+on+Polymer+Testing&hl=en&sa=X&ved=0ahUKEwjIgre6vdzmAhXSyDgGHe9XDOQQ6AEIKDAA#v=onepage&q=A%20Brief%20Introduction%20on%20Polymer%20Testing&f=false>

Faculty Development Programme Participated

1. NBA Accreditation and OBE at Nitte Meenakshi Institute of Technology, from 06.01.2020 to 10.01.2020.

Awards/Recognition/Achievement/Others

- Overall experience of 13years in teaching undergraduate and postgraduate students.
- Assistance in College for NBA, NAAC preparation.
- Headed Criteria 2 for NBA SAR preparation.
- Acted as reviewer in Emerging Materials International Journal.
- Good communication and command over subjects. Understanding poor and better students and guiding them to improve skills of learning through innovative teaching methods.
- Able to handle Man, Machine, Material, effectively.
- Strong knowledge in engineering manual drawing and software interpretation. Knowledge in Mechanical component and assembly drawing, including standard drawing features.
- Good research capabilities. Guiding undergraduate and Post graduate students for research activity.
- Hands on experience in handling advanced materials and composite preparation like Metal Matrix Composites and Polymer Matrix Composites. Knowledge of Taguchi Techniques and Experimental designs using ANOVA.
- Assistance with commissioning of projects.
- Timekeeping and up to date knowledge about Mechanical science and technology.
- Ability to communicate well to other members of the development team.
- Willing to work additional hours if required. Available for weekends and evening work.
- Knowledge of Mechanical Software's like CATIA V5 R16, Solid Edge V19, ST9, Solid Works, Unigraphics, AutoCAD, Autodesk Inventor, Robot Studio (ABB). Minitab, Origin.
- Life time Member of Indian Society for Technical Education-**ISTE**.