SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5, Chikkasandra, Hesaraghatta Main Road, Banglore-560057, Karnataka, India
DEPARTMENT OF MECHANICAL ENGINEERING

FACULTY PROFILE

Name of the faculty	**Dr.R.G.DESHPANDE**
Designation	ASSOCIATE PROFESSOR
Contact Number	9844217187
Email ID	deshpande@sapthagiri.edu.in

Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D	Machining Science	VTU	2018
M.Tech	Manufacturing Science & Engg.	VTU	2002
B.E	Mechanical Engineering	Gulbarga University	1990

Work Experience

Teaching	Research	Industry
24	04	03

Publications

National/International Journals	National/International Conferences	Books Authored/Edited
5	4	1

Area of Interest

Machining Science	**Manufacturing Science and Engineering**
Material Science	**Modern Manufacturing**

Subjects Taught

Manufacturing Processes	Machine Drawing	Material Science
Cryogenics	Smart Materials & MEMS	Dynamics of Machines
Fluid Mechanics	Mechatronics & Microprocessors	Composite Materials
Mechanics of Materials	Ergonomics & Work-study	Foundry Technology

FUNDS/PATENTS

Applied VGST-2019

- Analysis of Cold-Hole Expansion by Split Mandrel as a Useful Technique in Aerospace Industries", Journal of Manufacturing Engineering, vol. 2, no. 3, 2007

- R.G.Deshpandea, K.A.Venugopal, Machining With Cryogenically Treated Carbide Cutting Tool Inserts, Materials Today, Proceedings, Volume 5, Issue 1, Part 1, 2018, Pages 1872-1878

- Controlling Thermo-Mechanical Properties of Warm Rolled Commercial Al-Cu-Mg Alloy by Addition of Second Phase Particles, Materials Today, Proceedings, Volume 4, Issue 8, 2017, Pages 7579-7585

- Machining C-45 Steel With Cryogenically Treated and Microwave Irradiated Tungsten Carbide Cutting Tool Inserts, IJIRSET, 2319-8753

  R.G.Deshpande1, Dr.K.A.Venugopal2, Machining C-45 Steel With Cryogenically Treated And Annealed Tungsten Carbide Cutting Tool Inserts, Advanced Materials Manufacturing & Characterization Vol 6 Issue 1 (2016), 34-38.

National /International Conferences

1. Presented paper on "Effects of Zirconium addition on the Kinetics of Recrystalisation of an Al-Cu-Mg alloy" at the national level competition held at Bannari Amman Institute of technology, Satyamangalam.

2. Paper to International level conference on "Total Quality Management In technical education" in ICQRIT at New Delhi. Published in proceedings

3. Paper on "analysis of cold-hole expansion by split mandrel as a useful technique in Aerospace industries" to national level conference held at Kakatiya University.

4. Paper on "Cellular structure of Metals & Alloys and their Engineering Application "at National Conference at Manipal Institute of Technology, Manipal

5. Our paper on "Analysis of Cold-Hole Expansion by Split Mandrel as a Useful Technique in Aerospace Industries" was published in Journal Of Manufacturing Engineering.

6. Presented paper on Effects of addition of Zirconium on cube grains in commercial Al-Cu-Mg alloy at International level conference Idem14 held on 10th and 11th January 2014 at M A College of Engg Kothamangalam, Kerala.

Faculty Development Programme Participated

1. Faculty development program held by T.T.T.I Chennai on Sept 2004.
2. Participated in five day faculty development programme on Finite Element Method & its Applications held at BMSIT & M from 6th to 10th June 2014.
3. A Participated in five day Faculty development programme on Recent trends in Automotive Engineering conducted
4. Attended two week faculty development programme on recent trends in advanced materials and manufacturing processes held from 29th December to 10th January 2015 at MSRIT, Bangalore.

Workshop Attended

1. Two day work shop on "Specimen preparation for photo elastic stress measurement Conducted by Mr.Vijaykumar, President Dynatec held on 22nd & 23rd Sept 2005.
2. One day workshop on "Pre-Stressing of holes for Fatigue life improvement in machine Components on 5th December 2005.
3. Workshop on Computer Aided Drawing from 10th July to 12th July 2006 at B.M.S College Of Engineering organized by V.T.U.
4. Participated in two week ISTE workshop on Fluid Mechanics conducted by IIT Kharagpur from 20th to 30th May 2014.
5. Participated in one day workshop on Lean Six Sigma on 22nd August 2014, at FKCCI.
6. Participated in one day workshop on KAIZEN on 17th October 2014. at FKCCI.
7. 10. Attended one week workshop on "Project Ideation & Implementation at M.S.R.I.T Organized by V.T.U. held between 23rd and 28th April 2007.
8. Participated in two day workshop on Outcome Based Education-Innovative class room practices. On 18th and 19th September 2014 at BMSIT & M.
9. Attended two day workshop on Micromachining and Micro Fabrication at BIT, Bangalore.
10. Participated in one day workshop on World class manufacturing practices on 21st August 2015 held at FKCCI.
11. Participated in three days national level workshop on World Class Manufacturing Practices at M.S.R.I.T from 11TH TO 13TH January 2016.
12. Attended one week national level workshop on Nano-materials and Nano-composites organized By M.S.R.I.T, Bangalore from 20th to 25th June 2016.

Awards/Recognition/Achievement/Others

- ➢ Authored a text book on Product Life Cycle Management
- ➢ Reviewer for Elsevier Journal
- ➢ Co-ordinated with students in major projects, Eco-Kart, ISK Kart, Solar Car sponsored by institution.
- ➢ Won best technical paper award at international conference.
- ➢ Won cash price for setting best innovative questions.
- ➢ Three projects guided got recognition & support by KSCST.
- ➢ Completed proficiency course on Product Design at IISC.
- ➢ Completed three MOOCS online courses held by IIT and SWAYAM..
- ➢ Attended webinars on outcome based Education and other OBE practices
- ➢ Paper on Learning through Ethics was accepted for presentation at University of Malaysia.
- ➢ Organized National level technical aptitude test "Indian Engineering Olympiad".
- ➢ Organized three Technical Talks for the department students
- ➢ Organized a Demonstration and Hands on technical sessions
- ➢ Co-ordinated Tech-Transform event Organized Car Expo 2016 at BMSIT & M