Name : Dr.M.V.R.D. PRASAD
Designation : Professor
Department : Mechanical Engineering
Email ID : Prasad_mvrd@vnrvjiet.in

Experience (in years): Teaching: 24 Research: 08 Industry:

1. Educational / Technical qualifications:

S.No.	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	UG: B.Tech.	1993	Mechanical Engineering
2	PG: M.E	1996	Production Engineering
3	Ph.D.	2014	Dry Machining Process

2. Teaching and Learning:

2.1. Teaching Interests:

Engineering Graphics/Drawing, Machine Drawing, Special Manufacturing Process, Engineering Metrology, Production Technology, Machine Tools, Production and Operations Management, Production Technology Lab .

2.2. Novel Teaching & Learning Techniques adopted:

- VNR Lab Protocol, POGIL, WIT & WIL

2.3. Involvement in curriculum updating / Design:

- As a Chairman of Board of Studies of ME & AE, reviewed the entire syllabus.
- Modified the curriculum of Production Technology, Special Manufacturing Process, Engineering Graphics and Production and Operation Management.
- Design the curriculum of UG and PG of Mechanical Engineering

3. Co-curricular and Extra-Curricular Activities:

3.1. Interests and Hobbies:

- Exploring new Technologies.
- To promote work efficiency and good attitude towards work, in organizations.

3.2. CCA/ECA Organized:

- Conducted training on “Soft Skills” for the B.Tech. Final Year students of Mechanical Engineering in UG CAD Laboratory, VNR VJIET.
- Conducted training on “3D Printing”for M.Tech students of Mechanical Engineering department, served as the resource person. Venue: CAD Lab, VNRVJIET.
- Organized various events as part of Sintillashunz 2008, 2011 & 2014.

3.3. CCA/ECA participated:

- Acted as Judge/Reviewer for various events in Institute technical fest “Convergence” and cultural fest “Sintillashunz”.

3.4. Counseling and Mentoring Activity:

- Mentor for IV B.Tech Mechanical Engineering students.

3.5. Committees involved in:

Department level:

- Member, Department Academic Committee.
- Member, Department Development Committee.
- Member, Department BOS Committee.
- Member, Department Project Review Committee for PG.
- Member, Department Syllabus Revision Committee for PG.
- Member, Department Syllabus Progression Committee for PG.

- Member, Department Accreditation/Autonomy Committee – NBA, NAAC, UGC, JNTUH.
- Programme Coordinator, NBA 2015

Institute Level:

- Member grievance committee
- Member, Institute Accreditation Committee – NBA, NAAC, JNTUH Autonomy& UGC Autonomy.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1Conducted: 15

4.2 Attended: 42

1. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 05

5.2. Chapters published in Books: **"An Iot-Based Smart Pet Food Dispenser"**

Springer publication series "Intelligent Manufacturing and Energy Sustainability' ISBN 978-981-33-4443-3, Page No:147 to 163.

5.3. Bookspublishedassingleauthororaseditor: Nil

5.4. Projects Guided:

a) UG: 22

b) PG: Major – 12; Mini – 10

5.5. Research Interests:

- Dry Machining Processes, Joining Process ,3D Printing, Composite Material

5.6. Ph.D students: Not Applicable

a) Enrolled: b) Submitted: c) Awarded:

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Analysis of cutting parameters in dry machining of hardened steel with Cermet tool", International Journal on Mechanical & Automobile Engineering	International Journal on Mechanical & Automobile Engineering, Vol. 02, No. 2, Nov 2008	074-231X	1.78	International
2	The effect of cutting conditions on residual stresses in dry machining of hardened steel EN31 by CBN tool -An artificial neural network approach	International Journal on Mechanical & Automobile Engineering ,Vol.06, No.09, Sep 2009 – Nov 2009, pp.17-24	ISSN:074-231X	1.78	International
3	Analysis of surface modification through PCBN cutting tool –By dry machining	Manufacturing Technology Today, CMTI Publication, Vol.7, No.6, June, 2008,	ISSN:0972-7396	2.5	National

		pp.15-18			
4	Influence of process parameters on surface residual stress in dry machining of hardened steel (En31) with Cermet cutting tool- ANN Approach	Journal of Manufacturing Engineering, Vol. 5, ISSUE 2 June 2010, pp.143-146.	ISSN:0973-6867	2.7	National
5	The influence of process parameters on surface roughness in dry machining of hardened steel En31 with CBN cutting tool –by ANN	International Journal of Applied Engineering Research, Volume 5, Number 12[2010] pp.2059-2068.	ISSN:073-4562	3.0	International
6	Study the effect of cutting conditions on micro hardness in dry machining of hardened steel En31 with CBN cutting tool –by ANN technique	Journal of Engineering and Technology Volume 8,No. 1, 2010, pp.13-22.	ISSN:1684-4114	3.2	National
7	Effect of input parameters on residual stress in dry machining of hardened steel [En31] with CBN tool – Coactive Neuro – Fuzzy Interface system Approach	i-manager's Journal of Mechanical Engineering, Vol.1, No.2, February – April 2011,pp.42-46.	ISSN:----	2.5	National
8	Study of the influence of process parameters on surface roughness when Inconel 718 is dry turned using CBN cutting tool by ANN Approach	International Journal of Materials, Mechanics and Manufacturing, Vol.2, No.4, November 2014, pp.335- 338.	ISSN:---	2.7	International
9	To Investigate the affect of process parameters on mechanical properties of TIG welded 6351 Aluminum Alloy by ANOVA	GE - International Journal of Engineering Research, Vol.2, Issue -9, November 2014, pp.- 50 – 62.	ISSN:2321-1717	3.42	International

10	Optimization of process parameters for friction stir welding Aluminium 6061 using respose surface methodology	GE - International Journal of Engineering Research, Vol.3, Issue -5, May 2015, pp.125 – 137.	ISSN: 2321-1717	3.42	International
11	Parameter optimization while dry turning AISI 1045 Steel using CBN tool – By response surface methodology	GE - International Journal of Engineering Research, Vol.3, Issue -7, July 2015,IF:4.007, pp.69 –82	ISSN:2321-1717	IF:4.007	International
12	Effect of minimum quantity lubrication on tool wear and temperature in turning EN8 steel by ANOVA	International Journal of Informative & Futuristic Research, Vol.2, Issue-10,June-2015	ISSN:----		International
13	Experimental investigations on usage of veg based oils in MQL based grinding operation"; International Journal of Informative & Futuristic Research,	Vol.4, Issue-8, April-2017	ISSN:----		International
14	An experimental sudy on friction stir welding of AA 5083 and AA 6063 Aluminum alloys – A review	International Journal of Mechanical and Production Engineering Special Issue, Sep-2016	ISSN:2320-2092		International
15	Sensitivity analysis for process parameters influencing surface roughness of hardened steel in dry machining process	Materials Today: Proceedings	ISSN:----		International

5.8. Papers presented at National / International conferences:

National: 09 International: 10

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects &MODROPS:

S.No	Title (MODROPS)	Agency	Period	Sanctioned Amount	Ongoing / Completed
1	Automation and Robotics	AICTE	2 Years	10L	Ongoing

6. Awards / Honors received:

7. Motto: Work smarter, not harder
Always strive to be happy