



Faculty Profile

01. Name : **SREE RAJENDRA**
 02. Age (in years) : **56 years**
 03. Designation and Department : **Associate Professor**
Department of Mechanical Engineering.

04. Education Qualification including Diplomas and Highest Degree

Qualifications	Board / IIT / University	Institute and place where studied	Year of passing	Class / % marks
SSLC	KSE Board	Sharada Vilas High School, Mysore	1980	First Class 63.35
PUC	PU Board	Sharada Vilas College Mysore	1982	First Class 66.33
B. E	University of Mysore	NIE, Mysore	1986	First Class 64.62
M. Tech	University of Mysore	NIE, Mysore	1989	First Class with Distinction 70.28
PG Diploma	C-DAC	ORSCC, C-DAC Hassan	2001	A
Others if any	Registered for PhD under VTU, Belgaum , Completed the course work . working in the area of Concurrent Engineering for Virtual Manufacturing			

Section- II: Teaching Experience

05. Teaching Experience

Position Held	Nature of Appointment (Permanent/ Temporary)	Duration		Level (PG/ UG)	No. of Years	University/ Institution
		From	To			
Lecturer	Permanent	1988	1996	UG	08	M.C.E,
Senior Lecturer	Permanent	1996	2001	UG	05	M.C.E,
Selection Grade	Permanent	2001	2005	UG/PG	04/01	M.C.E,
Assistant Professor	Permanent	2005	2011	UG/PG	15/06	M.C.E,
Associate Professor	Permanent	2011	Till date	UG/PG	15/16	M.C.E

06. Contribution to, Teaching

Kinds of Teaching-related Activities	Year	Nature of your Contribution
--------------------------------------	------	-----------------------------

a. Design of Curriculum	From 2003	Actively Involved in preparing PG Syllabi for Industrial Automation and Robotics for VTU, Belgaum. Syllabus for Rapid Prototyping (UG-Mech). Concurrent Engineering
b. Installation of Laboratory		CIM & Automation Lab (CAE) Automation Lab-I Automation Lab-II
c. Evaluation Methods		
d. Preparation of Resource Material Including Books, Reading Materials, Laboratory Manuals, etc.,		Preparation of Lab Manuel's related to 1.CIM & Automation Lab (CAE) 2.Computer Aided Modeling and Analysis Lab 3. Pneumatics and Hydraulics Lab.
e. Any Other	2009	PG-Coordinator ,M.Tech, Industrial Automation and Robotics, Department of Mechanical Engineering
	2008	Coordinator –Central CAD/CAM Laboratory, Department of Mechanical Engineering

07. Details of Training /Faculty Improvement/Professional Training/Further Study Undergone

Nature of Programme	Period		Institution
	From	To	
On line training program on Industrial And Process Automation	12-10-2020	12-11-2020	Venjay Automation Pvt. Ltd. Bangalore
One day workshop Technical Institution meet at Siemens Centre of Excellence GTTC, Mysore	30-11-2018	30-11-2018	GTTC, Mysore
2 days' workshop Being a Great Teacher	03-11-2018	04-11-2018	MCE, Hassan
5 Days workshop on Recent Trends in Automotive Technology	25-05-2018	29-05-2018	MCE, Hassan
5 Days workshop MEMS and MOMS	30-04-2018	4-05-2018	MCE, Hassan
One day Workshop Professional and academic quality in engineering course(PAQ)	23-04-2018	23-04-2018	MCE, Hassan
5 Days workshop Advanced manufacturing processing techniques.	12-01-2018	17-01-2018	MCE, Hassan
3-Days workshop on deriving PEO/PO/CO/assessment for	27-03-2017	29-03-2017	MCE, Hassan

NBA self assessment report			
One day National Work shop on – Patents and Innovations	20-03-2017	20-03-2017	MCE, Hassan
Industry certification FDP- Industrial Automation	27-02-2017	03-03-2017	Silicon Micro systems , Bangalore
5 Days workshop Research Methodology	09-01-2017	13-01-2017	GEC,Hassan
Industrial Training on applied sensor technology	09-01-2017	11-01-2019	Drives and control academy, Bosch Rexroth, Bangalore
One week technology transfer & FDP on non-traditional machining and material characterization (NTMMC)	23-05-2016	27-05-2016	BMSCE, Bangalore
One day work shop on Rapid Prototyping Technologies	30-03-2015		PESIT, Bangalore
FDP on Intellectual Property Rights	30-01-2015	30-01-2015	MCE, Hassan
Computational Methods and FEA in Mechanical Sciences	07-07-2014	11-07-2014	SMV Institute of Technology & Management, Bantakal, Udupi
4 th national level work shop on Industrial Automation Using PLC	07-03-2014	08-03-2014	BAIT, Sathyamangala
Industry certification FDP- Industrial Automation	02-09-2013	07-09-2013	Silicon Micro System ,Bangalore
One day National Work shop on – Patents and Innovations	31-08-2013		MCE, Hassan
3-Days workshop on – deriving PEO/PO/CO/assessment for NBA self assessment report	11-07-2013	13-07-2013	MCE, Hassan
Industrial Robotics and Rapid Prototyping of Robots	24-06-2013	29-06-2013	Silicon Micro systems Ltd., Bangalore, India

Section- III: Research and Publications

08. Doctoral Research (Details of Your Doctoral Work)

Year : Registration – March -2004

Title of the Ph.D. Topic : **Concurrent Engineering for Virtual Manufacturing Environment**

University/Institution : **VTU/MCE Hassan**

Whether the Thesis is published : **NO**

- 09. Guidance: 1. Master Degree 37 Thesis**
2. Undergraduate 30 Projects

10. Number of Publications Authored : 19

Details of Articles/Papers in (Peer Review) Journals/Magazines

Sl. No	Title of the Article	Journal/ Magazine	Month, Year, Vol. No and Issue No.	Page Number	Impact factor
1.	Computer Aided Design of Machine Tool Gear Box	Journal of National Design and Research Forum,	National Level April- June, 1993.		
2.	Pressure Sensor Based Event Data Recorder	IJMER	ISSN: 2249-6645, volume 2, issue 4, July-Aug-2012	. pp-1972-1976	
3.	Design and Fabrication of Prototype of Automated Smart Car Parking System using PLC	IJSET	Sept-2013 Volume 2, Issue 9,	857-860	0.805
4.	Design and Fabrication of Mobile Phone Controlled Four Legged Walking Robot.	IJCER	July-2013 Volume 3 Issue 7	ISSN 2250-3005	1.145
5.	Application of Distributed Control System in Automation of Process Industries	IJETAE	June-2012 Volume-2 Issue-6	ISSN 2250-2459	1.932
6.	Automatic Punching Machine –A low cost approach.	IJAME	2014 Volume 4 Number 5	ISSN 2250-3234 Pp509-517	
7.	Automatic path detection and navigation of vehicle based on image processing technique	IJIRT	June 2015 Volume 2 Issue 1	ISSN: 2349-6002	
8.	Automated shopping and billing with product inventory management system	IJIRT	e-Journal Volume 2 Issue 2 July 2015	ISSN 2349-6002	
9.	Real time monitoring of temperature and Humidity in	IJSART	Volume-3 Issue-6	ISSN(online):2395-1052	

	Green House		June-2017		
10.	Development of Autonomous Robot for Menace Area in Manufacturing Facilities	IJSART	Volume-3 Issue-6 June-2017	ISSN(online):2395-1052	
11.	Design and Fabrication of Three Direction Pick and Place Robotics Arm	IJSART	Volume-4 Issue-6 June-2018	ISSN(online):2395-1052	
12.	Design and Fabrication of PLC and SCADA based Robotic Arm for Material Handling	IRJET		e-ISSN; 2395-0056 p-ISSN;2395-0072	
13.	Design and Fabrication of Three Direction Pick and Place Robotics Arm	IRJET		e-ISSN; 2395-0056 p-ISSN;2395-0072	
14.	Smart Traffic Control System Using PLC and SCADA	IJSART	Volume-4 Issue-6 June-2018	e-ISSN; 2395-0056 p-ISSN;2395-0072	
15.	Intellectual 4 way Traffic Control System Using PLC and SCADA	IRJET	Volume-5 Issue-6 June-2018	e-ISSN; 2395-0056 p-ISSN;2395-0072	
16.	Leaf Disease Detection Using Deep Learning and Automatic Pesticide Dispensing Using Six Wheel Robot	JETIAR	Volume-6 Issue-6 June-2019	www.jetir.org ISSN-2349-5162	
17.	Automation of Control and Safety Systems for Crude oil Extraction by Hydraulic Fracture	IJCRT	06-June-2020	ISSN: 2320-2882 Journal Volume: 5 Issue No.: 6 Paper ID: IJCRT2006006	7.97
18.	Automation and supply of Distributed Control Systems for crude oil field industries	IRJET	29-June-2020 Journal Volume: 7 Issue No.: 6 Paper ID: FTP762544		7.529
19.	Assembly Automation and Human Machine Interface (HMI) Implementation for Rotary	IRJET	ISSN: 2395-0056 28-July-2020 Journal		7.529

			Volume: 7 ID: FTP772633		
--	--	--	-------------------------------	--	--

11. Details of Papers Presented in Seminars/Symposium/Conference

Name of Programme Date	Organizer	Title of the Paper	State/ Regional/ National/ International Level
3 rd international conference on trends in technology and engineering (ICTTE-16)	Arjun College of Engineering	Process control of an automated lift pumping station	International conference
National conference on emerging trends in mechanical engineering (NCETE-16) 29-30, April, 2016	A.I.T, Chikkamagaluru	Study and implementation of PLC & SCADA system for lift pumping station process control	National conference
1 st international conference on innovations in computing and networking . 12-13, May 2016	Rajarajeshwari college of engineering and computer society of India	An Autonomous robot for finding optimal path during dynamic environment using grid based approach	International conference *Best paper award
International Journal for trends in Engineering & Technology	IJTET Ref: IJTET1301005	Process control of an automated lift pumping station	International Journal ISSN:2349-9303
Name of Programme Date	Organizer	Title of the Paper	State/ Regional/ National/ International Level
Journal of National Design and Research Forum, April- June, 1993.	Institution Of Engineers Bangalore	Computer Aided Design of Machine Tool Gear Box	National
National Seminar on Newer Manufacturing Techniques for improved productivity (NEMTIP-91) 23 November 1991.	N.I.E, Mysore	Enhancement of Cutting Tool life by Mist Cooling"	National
National conference on emerging trends in Physics, Electronics and	JSS College, Mysore, Karnataka.	A concurrent engineering approach of component design for engine bleed system and it's thermal	National

Engineering Science, September 25-26, 2006,		analysis in an virtual environment”	
National Conference 2006(NATCON.ME-2006).	AICTE sponsored National Conference on Mechanical Engineering	Usage of VR techniques for Motion analysis	National
International Conference On Modeling And Simulation, (Emerging Methods towards Frontier Technologies), CITICOMS 2007, 27-29 AUGUST 2007	CIT, Coimbatore	Strategic Features of Product Database to Support Concurrent Engineering for Gear Transmission Systems Influence of Geometric Discontinuities on Stress Distribution of a Connecting Rod	International
NATDMME-09 6-8, March09	MCE, Hassan	Product Data Exchange Standards Requirements in Concurrent Engineering	National
International conference on current trends in engineering and management, July 12-14,.	vidyavardhaka college of engineering, Mysore, 2012	Application Of Distributed Control System for Process Industries	International
2 nd International Conference on Current Trends in Engineering and Management (ICCTEM-2014), July 17-19, 2014	vidyavardhaka college o engineering, Mysore,	Analysis and optimization of process and die parameters in closed die forging through Simulation	International
Twenty Third International Conference on PFAM/ Dec. 5-7,2014	IIT, Roorkee	Simulation and analysis of process parameters in closed die forging	International
International Conference on trends in Mechanical Engineering Sciences organized by Malnad college of Engineering, Hassan on August 6 th -7 th 2020	MCE,Hassan	Designing of Integrated Control and Safety systems for crude oil extraction from deep wellpads Design and Development of Human Machine Interface and Automation for wheel assembly Unit of kids swing car	International

12. Details of Visits Abroad in connection with Academic/Institutional programme:

- I. Has undergone the advanced training on Hydraulics and Mechatronics, at Bosch-Rexroth AG Drive and Control academy, Wurzburg, Germany, during 08-08-2011 to 12-08-2011.

13. Establishment of Laboratories/Special Facilities

Year	Name of Facility Established	Remarks
2013-14	New Automation Laboratory for PG-IAR	Under TEQIP-II grants (approx. Rs. 45 Lakhs)

14. Memberships in Academic Societies/Bodies

Name of Society	Affiliation	Position	Remarks
MISTE	ISTE	Life Member	
Member of Institution of Engineers		Life Member	Elected member for the year 2014-2017 Mysore Local Chapter (Production Engineering)
Member of EDAF		Life Member	

15. Organization of Programmes (Seminar/Workshops, etc.,)

Programme and Level (National, etc.,)	Date	Position Held	Remarks (Target Group, Number, etc.,)
Computational Methods in Mechanical Engineering- (National level)	19-24, Dec, 2005	Committee Member	40 Engineering College Teachers
Basics of CAD.CAM Tools-(State level)	14-19, Aug, 2006	Coordinator	40 Engineering College Teachers
Advanced CAD/CAM tools in Design and Manufacturing-(State level)	25-29, Sept, 2006	Committee Member	50 Engineering College Teachers
Refresher course on conducting CAD/CAM Laboratory classes for Technical Staff of Engineering Colleges.- (State Level)	19-24, Feb, 2007	Committee Member	40 Engineering College Technical Staff
Computer Aided Modeling and Analysis Laboratory -(State Level)	4-8, Feb, 2008	Committee Member	70 Engg. College Teachers
One day work shop on IPR, R&D and funding agencies- Enhanced Industry Institute Interaction (State Level)	9 th April, 2008	Coordinator	30 Engineering. College Teachers
BRINGING INDUSTRY TO INSTITUTIONS –BII-09 (State Level) An attitude awareness workshop	19-21, Feb, 2009	Coordinator	40 Industries And 40 Engineering colleges participated
5-days Faculty Development Program on Essentials Skills for Mechanical Engineers (National)	1 st - 5 th September, 2014	Coordinator	Faculty/ Research Scholar/PG students

16. Membership in Employees Association

Name of the Association	Position held	Period	
		From	To
Staff Club, MCE	Secretary	2008	2011

Staff Club, MCE	Treasurer	2006	2008
Staff Club, MCE	Executive committee member	2005	2007
Staff Club MCE	Member	1988	Till Date
Staff Welfare Association	Member	1990	Till Date

17. Special Skills acquired

II. Under went "Train-The-Trainer" program on Industrial Automation Technology, at VTU-BR Centre of Competence in Automation Technology, Mysore, 09-08-2010 to 04-09-2010.

III. Has undergone the advanced training on Hydraulics and Mechatronics, at Bosch-Rexroth AG Drive and Control academy, Wurzburg, Germany, during 08-08-2011 to 12-08-2011.