

# Mahesh D. Goudar

Professor & Director

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## Education

- Doctoral** Ph.D. (Electronics Engineering)  
IIT, Dhanbad  
Indian School of Mines University, Dhanbad, India  
Doctoral Thesis : Study on dynamic MPP control for photovoltaic system  
Dynamical Systems  
Supervisors : Dr. V. Kumar, IIT, Dhanbad  
Dr. B. P. Patil –Principal, AIT, Pune
- Masters** M.Tech (Electronic Design Technology)  
CEDT, Aurangabad  
Dr. BAMU, Aurangabad, Maharashtra, India  
Result – 8.78/10 (CGPA)  
(*Best M.Tech Project*)  
Masters Dissertation : Microcontroller based optimized humidity  
controller for grape dryer  
Supervisors : S T Valunjkar, D. Ramrao, V M Mundada
- Bachelors** B. E. (Electronics & Communication)  
Karnatak University, Dharwad, Karnatak, India  
Result – First Class (66.7 %)  
Bachelors Project : Microcontroller Based Speed Control of DC Motor  
Supervisor : C. L. Indi
- H.S.C.** PUC Board, Karnatak – M M Arts and Science College, Sirsi, Karnatak  
Result – First Class with Distinction (81.82 %)
- S.S.C.** CBSE Board – Sainik School, Bijapur  
Result – First Class (66.00 %)



- Professor (Electronics)  
and Dean (Academics)  
1 March 2013 till 31 July 2019 (6 year, 4 months)
  - Associate Professor (Electronics)  
1 September 2011 till 28 February 2013 (1 years, 5 months)
  - Assistant Professor (Electronics)  
11 June 2005 till 31 August 2011 (5 years, 2 months)
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### **Past Employment**

1. Amrutvahini College of Engineering, Sangamner  
Assistant Professor (Electronics)  
18 Feb. 2005 to 10th June 2005 (3 Months)  
Lecturer (Electronics)  
16 Sept. 2000 to 17 Feb. 2005 (4 years 5 Months)
  2. Rajkumar Engg. Pvt. Ltd., Ahmednagar, (Videocon)  
Ahmednagar, Maharashtra  
Engineer – Assistant Production Manager  
14 Sept. 1988 to 15 Sept. 2000 (12 Years)
  3. Artwins Electronics Pvt. Ltd.  
Dharwad, Karnataka  
Production Engineer  
1 August 1987 to 31 July 1988 (1 Year)
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### **Research Interests**

- Mechatronics and Automation
  - Artificial Intelligence
  - Photovoltaics
  - Embedded Control for Motion Control Applications
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### **Publications**

Journals	:	17
Conferences	:	24
Monogram	:	02
<b>Total</b>	:	<b>43</b>

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## Funded Projects

1.	BCUD – SPPU	:	01.5 lakhs
2.	NSDC – WSI 2013	:	19.45 lakhs
3.	NSDC – WSI 2015	:	10.50 lakhs
3.	BCUD – SPPU	:	01.00 lakhs
4.	NSDC – WSI 2017	:	10.00 lakhs
	<b>Total</b>	:	<b>42.45 lakhs</b>

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## Courses Taught

Control Systems	:	SE (Electronics)
Signal and Systems	:	SE (Electronics)
Electronics Devices and Circuits	:	SE (Electronics)
Integrated Circuits and Applications	:	SE (Electronics)
System Engineering	:	SY BTech (Electronics)
Industrial Control and Drives	:	TE (Electronics)
Digital Signal Processing	:	TE (Electronics)
Control Systems	:	TE (Electronics)
Mechatronics	:	TE (Electronics)
Microcontrollers and Applications	:	TE (Electronics)
Electromagnetic Waves and Radiating Systems	:	TE (Electronics)
Management Information Systems	:	TE (Electronics)
Power Electronics & Applications	:	TE (Electronics)
Industrial Management	:	TE (Electronics)
PLC & Industrial Process Automation	:	BE (Electronics)
Electronic Product Design	:	BE (Electronics)
VLSI Design	:	BE (Electronics)
Computer Network	:	BE (Electronics)
Advanced Computer Programming	:	BE (Electronics)
System Engineering	:	SY BTech (Electronics, E and TC)
Project Management	:	TY BTech (Mechanical)
Design Thinking	:	FY BTech
Science of Nature	:	FY BTech

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## **Projects Supervised at Masters level**

- Digitally Controlled Dual RF Input Power Amplifier for Base Station Application
  - Implementation PV Systems For Wireless Irrigation
  - Optimization Approach To Water and Energy Management Using WSN
  - A Multilevel inverter for Photovoltaic System
  - Delay Optimization in Wireless Multi-Patient Sensor Network
  - Effective Solution for Monitoring And Optimizing Energy Utilization For Smart Grid
  - Automated Voting System Using GSM Mobile Technology
  - Implementation of Hybrid approach to MPPT Algorithm using MSP430 Microcontroller
  - Bus Monitoring System Based On ZigBee and GPRS
  - Implementation PV Systems For Wireless Irrigation
  - Digitally Controlled Dual RF Input Power Amplifier for Base Station Application
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## **Additional Responsibilities**

### **Department level**

- NBA Coordinator
  - Class Teacher
  - Project Coordonator
  - ISO Coordinator
  - Lab. Incharge (Power Electronics)
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### **Institute level**

- Dean (Academics)
  - IQAC Coordinator
  - MR for ISO 9001: 2015
  - Head of the Department (Electronics) - (2010 - 2016)
  - Mentor of Robocon Team of MIT Academy of Engineering
  - Mentor of Mobile Robotics team of MIT Academy of Engineering.
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## University level

- Internal/ External examiner, Senior Supervisor for University examinations
  - Member – Syllabus Revision Committee, University of Pune (Power Electronics)
  - Member – Syllabus Revision Committee, University of Pune (EMPD)
  - Paper Setter – M.E. (Memory Technology)
  - Paper Setter – T.E. (Power Electronics)
  - Paper Setter – T.E. (EMPD)
  - Paper Setter – S.E. (Signal and Systems)
  - Paper Setter – B.E. (Electronic Product Design)
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## Conferences/ Workshops/ Training Programs/ FDPs/ STTPs Attended

FDP	:	03 (1 week)
FDP	:	06 (2 week)
FDP (inhouse)	:	01 (1 week)
Conferences	:	15
Seminars	:	05
Workshops:	:	17

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## Programs Organized for Faculty

Conferences	:	02
Seminars	:	01
Workshops	:	01
FDP	:	03
<b>Total</b>	:	<b>07</b>

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## Programs Organized for Students

Certificate Course	:	02 (40 hours)
Technical Competitions	:	04
ROBOCON (National)	:	03

ROBOCON (International)	:	01
Workshops	:	03
Conference	:	02
Guest Lecture	:	03
Industrial Visit	:	03
Workshops	:	03

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### **Invited Talk, Expert, Referee, Judge, etc**

Invited Talk	:	03 (40 hours)
Subject Expert	:	031
Referee	:	02
Judge	:	05

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### **Professional Memberships**

1. IEE : Institution of Engineers (India)  
Fellow F- 1184960-9
  2. IETE : Institution of Electronics and Telecommunication Engineers  
Fellow F - 182427
  3. IEE : Institution of Engineers (India)  
Chartered Engineer AM 81084/6
  4. ISTE : Indian Society for Technical Education  
Life Member LM 46700
  5. ISA: International Society of Automation  
Member 000033272843.
  6. IET: Institution of Engineering and Technology  
Member 1100663514
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