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 otimized humidity

controller for grape dryer

Supervisors: S T Valunjkar, D. Ramrao, V M Mundada

Bachelors B. E. (Eletronics & 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 %)

Awards & Honors

- Received appreciation and a cash prize award of rupees one lakh from Shri. Dharmendra Pradhan, (Minister of Petroleum and Natural Gas; Minister of Skill Development and Entrepreneurship) for medallion excellence in the skills of mobile robotics at World skills International competition, 2017, Abu Dhabi, UAE
- Represented India in the capacity of expert and mentor for the skill of mobile robotics at World skills International 2015, Saupolo, Brazil, EuroSkills 2016, Gothenburg, Sweden.
- Represented India in the capacity of expert and mentor for the skill of Electronics at World skills International 2013, Leipzig, Germany, World skills Russia 2014, Ekatenburg, Russia
- Represented Inadia at World skill International (WSI 2017, Abu Dhabi, UAE) as Expert with special responsibility for the skill of Mobile Robotics and Electronics, World skills Russia 2014, Ekatenburg, Russia respectively.
- Received Life Time achievement award for Ideal Teacher at the hands of Dr. Vishwanath Karad Sir on the occasion of Teachers day, Sept. 2016
- Consistently received excellent feedback ratings on the teaching learning process from the students for the last 18 years (2000-01 to 2018-19)
- Felicitated by FICCI at 6th Global submit at Delhi for contribution to development of skill of mobile robotics.
- Best M.Tech Projectat CEDT, Aurangabad (2004)

Experience

 $Total - 32\frac{1}{2} years$: Academic – 19 years

Industry $-13\frac{1}{2}$ years

Current Employment

MIT Academy of Engineering

Alandi (D), Pune - 412105

- Professor and Director
 - 1 November 2019 till date
- Professor and Officiating Director 1 August 2019 to 31 October 2019

- 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)

Past Employment

- 1. Amrutvahini College of Engineering, Sangamner
 - Assistant Professor (Electronics)
 - 18 Feb. 2005 to 10th June 2005 (3 Months)
 - Lecturer (Electronicsl)
 - 16 Sept. 2000 to 17 Feb. 2005 (4 years 5 Months)
- 2. Rajkumar Engg. Pvt. Ltd., Ahmedanagar, (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)

Research Interests

- Mechatronics and Automation
- Artficial Intelligence
- Photovoltaics
- Embedded Control for Motion Control Applications

Publications

Journals : 17 Conferences : 24 Monogram : 02

Total : 43

Funded Projects

 $1. \quad BCUD - SPPU \qquad \qquad : \quad 01.5 \ lakhs$

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

Total : 42.45 lakhs

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)

Mangement Information Systems : TE (Electronics)

Power Electronics & Applications : TE (Electronics)

Industrial Managemnt : 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 Managaement : TY BTech (Mechanical)

Design Thinking : FY BTech Science of Nature : FY BTech

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

Additional Responsibilities

Department level

- NBA Coordinator
- Class Teacher
- Project Coordonator
- ISO Coordinator
- Lab. Incharge (Power Electronics)

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.

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 Sytsems)
- Paper Setter B.E. (Electronic Product Design)

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

Programs Organized for Faculty

Conferences : 02

Seminars : 01

Workshops : 01

FDP: 03

Total : 07

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

Invited Talk, Expert, Referee, Judge, etc

Invited Talk : 03 (40 hours)

Subject Expert : 031
Referee : 02
Judge : 05

Professional Memberships

1. IEI : Institution of Engineers (India)

Fellow F- 1184960-9

2. IETE : Institution of Electronics and Telecommunication Engineers Fellow F - 182427

IEI : 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