

Shivanand Biradar

ME (Control system) *PhD (Pursuing)

Asst. Professor

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Experience

Total Teaching experience of 26 yrs (Includes 4 years of PG Teaching)

- 15 yrs as **Head of Dept. at AISSMS COE**
 - 16 yrs as Asst. Professor at AISSMS COE
 - 9 yrs as Lecturer
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- Working as Asst. Professor at AISSMS COE since year 1999.
 - Worked as I/C head of EED, AISSMS COE, Pune
 - Worked as Lecturer at SES College of Engineering, Kopergaon for 9 years
 - Worked as Lecturer at Basaveshwar Engineering College, Bagalkot

Areas of interest & Research topics

Areas of interest

- Electric Vehicle technologies
- Control system
- Advanced Drives & Converter topology
- Energy storage and systems
- Image Processing
- Engineering Education, Outcome based education(OBE)
- Assessment methodology for Course Outcomes (Cos) and Program Outcomes(POs).

Current Research:

Energy and Power management in Hybrid Energy Source System (HESS) of Electric Vehicle.

Academic Qualification:

Course/Degree	Institute/Board/University	Year passing	Class
S.S.C	Karnataka sec. Edu. Board, Banglore	1980	Ist
H.S.C	Basaveshwar Science College Bagalkot-	1982	Ist
B.E (Electrical)	Engg College of Engg Bagalkot (Karnataka University)	1986	All four years Ist
M.E Control System	V.J.T.I Mumbai (University of Mumbai)	1997	Ist
*PhD (Perusing)	Visveswaraiah technological University Belagavi	Title of Research Power and sharing management in a Hybrid source of EV	

Courses taught & Students' Projects guided

- **Subjects taught (UG Course)**
 1. Network Analysis
 2. Control system I
 3. Control system II
 4. Design of Electrical Machines
 5. Industrial drives and control
 6. Basic Electrical Engineering
- **Subjects taught (PG Course)**
 1. Modeling & analysis of electrical Machines
 2. AC & DC drives
 3. Research Methodology
 4. Biomedical Engineering
 5. Electric Vehicle Technology
- **Students' Projects guided**
 - PG Students' projects: 20
 - UG Students' projects: 08

Membership of Professional Chapters

- Life member, ISTE
- Life member, Solar energy Society of India
- Member, IEEE
- Member, Lighting Engineers Society of India

Contributions /Achievements (Professional, Academic & Administrative)

1. Working as Head of Elect. Dept for the since Dec 1999.
2. Served as member, ISTE section managing committee: Maharashtra-Goa section for one term. Year 2000-04.
3. Served as member of Board of Studies (Elect) & also as the faculty member of University of Pune successively for two terms (10yrs).
4. Has been the head of the Department for 15 yrs (since year 1999).
5. Worked as I/C Principal on many occasions (2000-2005).
6. Worked for University of Pune as a member of LIC committee several times
7. Worked for University of Pune as a member of subject expert committee several times
8. Has been a chairman of UG and PG subjects continuously since from 2000
9. Initiated to start a New PG course '**ME (Power Electronics & Drives)**' and it was a new PG specialization under Pune University.
10. University approved PG teacher in the Dept.:
11. Main contributor in starting new PG course in specialization **Power Elex & Drives** now, only run in our college, not ant any where under UoP or in Maharashtra.

12. Authored Academic Progress Record (**APR Book of 83 pages**) currently used by all teachers of AISSMS COE for nearly 10 years.
13. Designed several formats/documents that are used by the college , namely College academic calendar, College student academic calendar, Student feedback, Faculty feedback, Employer feedback, Parents feedback, Participants feedback and Alumni feedback.
14. Was a Convener of National Symposium on 'Power for sustainable development' witnesses the actual participation of delegates from different states including PhD faculty, scientists, industry. Also it was funded by Ministry of Renewable energy, BRNS and UoP (up to 4 lacks).

Paper Contributions

1. Paper entitled 'Micro controlled based Four wheel steering System', at the Annual Paper Meet held by Institution of Engineers Bangla Desh on 23-25 Oct. 1997.
2. Paper entitled 'Energy storage System in Electric Vehicle' at the IEEE International Conf. on Power Quality in Oct. 1998 in Hyderabad.
Above-mentioned paper was referred by several authors of the IEEE transaction papers and in also referred in the hand book published)
3. Paper Entitled 'Simulation study of Vector controlled Induction Motor Drive' at the IEEE International Conf. held in Ahmedabad in Dec.1998.
4. Paper entitled 'Adapting Teaching & Learning process to internet revolution at the ISTE Annual Convention held at Erode in Dec 27-29, 1999.
5. Paper entitled "Elements of quality engineering Education' published in National Journal of Engg Education, Jan-March2000 issue
6. Paper entitled 'Learning Material and Media in Cyber Age' at the National Seminar on Education in Cyber Age' held by institution of Engg (Local center & KLEs College of Engg at Belagum
7. Paper entitled 'On the verge of dynamic curriculum' at ISTE National convention held at KIT, Bhubaneshwar, Dec 2001
8. Paper entitled 'Research based technical education towards quality assurance& self financing' in ISTE National convention held at KIT, Bhubaneshwar, Dec 2001
9. Paper entitled' On some aspects of optical network ', in National conference at KJ Somaiya College of Engineering, Mumbai, in March 2006.
10. Paper entitled PLC based motor protection and derating of induction motor' at International conference ICEEDC held in Pune, Feb 2014
11. Design of DC-AC Cascaded H-Bridge Multilevel Inverter for Hybrid Electric Vehicles Using SIMULINK/MATLAB
12. Paper entitled 'De-rating of Induction motor for voltage variation' at National conference NCETEE 2013, Solapur
13. Paper entitled 'Condition monitoring technique of three phase induction motor for detection bearing fault' at International conference held by SITS, Pune 2014.
14. Paper entitled 'Photo Voltaic Grid Connected system at International conference held in AP in 2014.
15. Paper entitled 'Design and development Solar Grid integrated system, in Journal IJET Jan 2014.

16. Paper entitled 'Assessment of Course Outcomes: NBA Accreditation' published in ISTE Journal of Engineering Education, Issue Dec 2015.

Conference/Seminar/workshop attended & conducted

1. Tutorial on Electric Vehicle by Dr Chang, held by IEEE, PES/IAS Hyderabad section in 1997.
2. IEEE international Conf on at Ahmedabad in 1998.
3. ISTE national student Convention held at COE Kopargaon 1999. (as a Judge for paper presentation)
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5. ISTE national convention at Erode in Dec 1999
6. ISTE National convention at Nitte dec 2000.
7. National seminar on Cyber technology and Education Engg at Belgaum in 2000
8. National workshop on 'Impact of information technology on technical education' at GCOEP, Pune, in Feb 2000
9. ISTE National convention at Bhubaneshwar, Dec 2001.
10. ISTE Convention of Maharashtra-Goa section held at Lonere, Dec 2001.
11. Two day work shop on MATLAB/SIMULINK held by Indiasoft held at MIT, Pune, sept 2003.
12. ISTE student state convention at KK Wagh COE, Nashik.
13. Two days National seminar on ' Power system restructuring' ay PV Deemed University College of Engineering, Pune, in Oct 2003
14. Winter school on Fuzzy-ANN applications in identification of Non linear system held at NSIT New Delhi 26-12 Dec 2003.
15. Two days workshop on power system restructuring at BVP college of Engg in 2004.
16. One day seminar on electrical safety held by national safety forum.
17. Winter school on Advances in Electrical Machines, drives and Power Electronics from
18. National conference on 'Towards Quality Engineering Education', by Engineering Education Foundation, Pune Feb 2005
19. Syllabus revision workshop at KK Wagh COE Nashik in April 2011.
20. Three days Faculty development program at AISSMS COE in May 2013.
21. Two day work shop on MATLAB/SIMULINK held by Indiasoft held at Pune, Sept 2013.
22. 33rd ISTE National convention & National Seminar at KCT, Coimbatore, TN, in Dec 2013.
23. Session chair, IEEE international conf on Convergence of technology at Pune, in April 2014.
24. 3 days workshop on LATEX at AISSMS COE, Pune Nov 2014.
25. BE syllabus revision workshop at PVG COE , Pune Jan 2015.
26. Member of Scrutiny committee for staff selection under CAS at Rahuri Krushi Vidyapeth, Rahuri in Feb 2016
27. SE syllabus revision workshop at Pune, April 2016.

AICTE STTPs attended

- ISTE-AICTE-STTP on Fuzzy and ANN Applications in identification of Nonlinear systems. Held by NSIT, New Delhi (26 Dec 03–10 Jan 04).
- ISTE-AICTE-STTP on Advances in Electrical Machines, Power Electronics & Drives held by PIET Pune (15 Dec -23 Dec, 04).

Organized & Resource faculty

- Convener, National symposium on Power for Sustainable development, held by AISSMS COE in association with Ministry of renewable energy, University of Pune in 2008.
- Convener, National conference ' Innovative Smart grid Technologies' in 2012.
- Coordinator, National workshop on Emerging technologies in Power Electronics & drives, in association with University of Pune, in 2011.
- Resource faculty at faculty development program held at Bharati Vidaypeth Polytechnic, Pune in 2001.
- Resource faculty to other college affiliated to Pune university for Control system II & Network Analysis.

