

Dr. Sachin Kishor Patil



An Academician with Penchant for QMS Implementation

Ph.D. (IIT, Bombay), ME (Env. Engg), BE (Civil) – WCE, Sangli.

Associate Professor & Principal (I/C),

Department of Civil Engineering,

Gharda Institute of Technology, Lavel.

+91 976 750 3463 / 9970 467 463

patilsachink@gmail.com; email@skpatil.com

www.skpatil.com

Experience 23 Years (Academic – 21 Y; Industrial – 2 Y)

RESPONSIBILITIES

- 1. Principal and NAAC Coordinator-** Gharda Institute of technology
 - Overseeing NAAC accreditation activities
- 2. Head of Department – Civil Engineering**
 - Accreditation documentation: System setup and overview
 - Faculty web site development and content distribution
 - Facilitated consultancy services and third-party auditing
- 3. Coordinator IQAC & Management Representative (MR) (ISO 9001)**
 - Turn Key Role at AMGOI Vathar& ADCET Ashta as centralized QMS implementation
 - Format standardization for academic, administrative and co-curricular records
 - Documentation of SOP and system implementation
 - Periodical monitoring and auditing
 - Finalization of AQAR and submission
- 4. Coordinator ISRO-IIRS Outreach Centre at GIT, Ratnagiri**
 - Date of recognition: 2019, 16th September
 - Workshops conducted in remote mode =06 No.
 - No. of Students Trained= 62
- 5. Coordinator Infrastructure Development**
 - Estate management and grievances
 - Processing requirements for accreditation
- 6. Centralized Assessment Process In-charge:** System setup and Getting things done
- 7. Desktop Publishing:**
 - Initiated the institute and departmental newsletter - *AMGOI News&Civilions*.

- Tasks involved data collection, proofing, Editing and publishing in MS Publisher.
 - Training and delegating to alumni coordinator
8. **Dean - Students Welfare:** Facilitated Sports, Extra and Co-curricular activities.
9. **Coordinator (Admission Procedure):** Process setup and Counseling.
10. **Content Management System (CMS):**
- Development & implementation of CMS on intranet at AMGOI, Vathar.
 - Document Servicing and server maintenance
11. **Topographic Survey:** Total station survey and map preparation of institute campus at ADCET, Ashta.

CONSULTANCY OFFERED

- **Third Party Technical Auditing** of Islampur Water Supply Scheme.
- **ISO 9001 Certification** of Anuradha Eye Hospital Sangli.

COURSES OFFERED

- | | |
|---|--------------------------------------|
| 1. Transportation Engineering, I & II | 6. Engineering Mechanics |
| 2. Town Planning and Transportation Engg. | 7. Numerical Methods |
| 3. Environmental Engineering - I & II | 8. Basic Civil Engineering |
| 4. Solid Waste Management | 9. Environmental Studies |
| 5. Industrial Waste Treatment | 10. Advanced Construction Techniques |

CONTINUING EDUCATION PROGRAMS – ARRANGED

1. **2017**, November 24-25, **Two Days** workshop on “Optimization Techniques and their engineering application” at AMGOI, Vathar.
2. **2002**, October 21-26, **One Week** workshop on “Modern Methods of Teaching Techniques” at ADCET, Ashta.
3. **2019-21, 06 No. One week** Workshops conducted in remote mode

WORK PROFILE

| Sr | Designation | Years | Period | Organization |
|----|---------------------|-------|----------------------------------|--|
| 1 | Associate Professor | 3 | 2 nd Jul 2018 onwards | Gharda Institute of Technology, Lavel |
| 2 | Associate Professor | 6 | 08 Jun'12 – 01 Jul'18 | Ashokrao Mane Group of Institutes, Vathar Kolhapur |
| 3 | Assistant Professor | 1.75 | Oct'10 – 7 th Jun'12 | Annasaheb Dange COE, Ashta, Sangli |

| | | | | |
|---|---------------|------|------------------|--------------------------------|
| 4 | Sr. Lecturer | 2.75 | Jan'08-Sep'10 | -“- |
| 5 | Lecturer | 6.25 | Sep'01 – Dec'07 | -“- |
| 6 | Site Engineer | 2.25 | Jul 1999 –Sep'01 | Marvel Constructions, Kolhapur |

ACADEMIC CREDENTIALS

| Sr. | Degree | Institute | Year | Marks |
|-----|------------------------------------|--|------|----------|
| 1 | Ph.D. | Indian Institute of Technology, Bombay. | 2017 | CPI 7.75 |
| 2 | M.E.CIVIL (Environmental Engg.) | Walchand College of Engineering, Sangli. | 2010 | 67.88% |
| 3 | B.E. CIVIL | -- “ -- | 1999 | 62.28% |

- **Doctoral Thesis:** Assessment of Irrigation Induced Soil Salinity of Black Soil - A Geospatial Approach.
- **ME Project:** Treatment of Textile Mill wastewater by Electrocoagulation Technique.

Resource Person

1. **2021 15th Jan**, Session on “Way towards Multi Criteria Decision Support Systems: An AHP approach” in STTP on AI in Geospatial Technology for sustainable development organized by AMITY University, Mumbai
2. **2021 2nd Jul**, Session on Soil Salinity and Groundwater Assessment by Remote Sensing & Geographic Information System organized by GSDA, Gov of Maharashtra, Pune
3. **2020 7th Jul**, Session on Carrier prospects in Transportation & Environmental Engineering in webinar series on Skills and Career Prospects for Civil Engineering organized by GIT, Level
4. **2017, Nov 30th** Session on “Effective Drafting of Project Report” at Workshop on Research Methodology for undergraduates under Research Sensitization Scheme by Shivaji University, Kolhapur at AMGOI, Vathar
5. **2017 Nov 24th** session on Opportunities and Resources for Research at workshop on Optimization Techniques for Engineering Applications under Lead College Activity, Kolhapur at AMGOI, Vathar

Reviewer

- Acting as reviewer to Journal “Water Supply” ISSN 1606-9749. Review completed: 08
- **Reviewer** in International conference on Computational Techniques by **Amity University, Mumbai** June 2020

Research IDs:

ORCID: 0000-0002-3109-3698

ResearcherID: G-4229-2012

VIDWAN ID: 205762

UG Projects Guided: 09

PG Projects Guided: 02 + 1* (ongoing)

1. Title- Prioritization of Roads for maintenance based on PCI – A case study of Bhudargad Tehsil
2. Title- Developing a model to reduce the cost of construction of residential building through value engineering

Publications(International - 01; National -03)

1. Patil S.K. and R. Nagarajan (2015) Geospatial assessment of irrigation water potential for black soil salinization. Poljoprivreda I Sumarstvo (Agriculture & Forestry) Podgorica Vol. 61 Issue 2: pp189-199 DOI: 10.17707/ AgricultForest.61.2.17 EISSN:1800-9492 [Agriculture and Forestry \(agricultforest.ac.me\)](http://agricultureandforestry.agricultforest.ac.me)
2. Manoj Mota, Shashiraj Chougule and Sachin Patil, (2015 Oct-Dec) Comparison of ability of crushed coconut shell and anthracite coal as capping media. Journal of Indian Water Works Association Vol 8 Issue 4, pp 503-509 ISSN 0970-275X [Paper link](#)
3. Patil S.K., Mota M.H. and Patil K.R. (2015) A review of electrocoagulation technique in treatment of textile mill wastewater. Journal of information knowledge and research in civil engineering ISSN 0975 – 6744 Volume 3 Issue 1 (2015) pp. 203-207
4. Korachagaon Iranna and Patil S.K. (2011) Grooming Attributes of an Engineering Teacher. International Review of Applied Engineering Research Volume 1 Number 1 (2011) pp. 61-66

Conference Papers(International 03; National 02)

1. Patil S.K. et.al. (2019) Assessment of Watershed development work in Anari village, Tal Chiplun. Inferences from Socio technical studies Multicon 22-23 Feb 2019 ISBN-13:978-93-5316-754-7 Publisher: Mc Graw Hill
2. Patil S.K. and R. Nagarajan (2015) Identification of soil salinity affected black soil areas in semi-arid region The 36th Asian Conference on Remote Sensing (ACRS 2015 :19-23 Oct) Metro Manila Philippines pp 187. ISBN 9781510817210 [Link](#)
3. Abhijit M. Zende, R.H.B. Ramamurthy and Sachin K. Patil; (2015): Surface Runoff Analysis for Chand River Basin using SCS-CN method and Geographical Information System; The 36th Asian Conference on Remote Sensing (ACRS 2015 :19-23 Oct) Metro Manila Philippines. TH2.4.4. pp2872 ISBN 9781510817210 [Link](#)
4. Korachagaon Iranna; Bapat V. N.; Mudgal D.N.; Kottur Ravi; Patil S.K. (2015) Global solar radiation estimation model with two parameters and its ANN validation IEEE Sponsored

9th International Conference on Intelligent Systems and Control (ISCO 2015: 9-10 Jan)
Karpagam College of Engineering, Chennai.

5. Patil S.K. and Gadgil J.M. (2008) Treatment of reactive dye wastewater by Electrocoagulation Technique National conference Envisafe 08 (12-13 Jan) K.I.T., Kolhapur.

Professional Memberships

- **Life Member:** Indian Society of Remote Sensing, Dehradun (L-5083)
- **Life Member:** Indian Society for Hydraulics (LM - 1474)
- **Life Member** Indian Society of Technical Education New Delhi (LM-40719)
- **Life Member** International Flood Network, Japan.
- **Member** Hydrological Data User Group (HDUG), Water Resource Department, Government of Maharashtra, Nashik. HDUG/Pune-648/2012

Lab Manuals Developed

- Applied Mechanics
- Basic Civil Engineering
- Environmental Engineering

Approvals

- PG Teacher ME Civil (Environmental Engineering)
- Assistant Professor – *Aff.T.3/STS/F/316 dated 20th Jan. 2013*
- Lecturer – *SU/Aff/T3/F-250/6702 dated 11th Nov. 2002*

Annual Refreshers Training Programs- Attended (SWAYAM MOOC Portal)

1. 2020 Feb, Sustainable Construction Materials & Techniques (Marks-56%)
2. 2020 Feb, Refresher Course on Teacher and Teaching in Higher Education (Marks-68%)

MOOC's Completed

1. 2020 - (12 Weeks) Remote Sensing Essentials (89%)
2. 2020- (12 Weeks) Patent Law for Engineers and Scientists (67%)
3. 2020- (8 Weeks) Landscape Architecture and Site Planning - Basic Fundamentals (69%)
4. 2020 – (12 Weeks) Intellectual Property (Marks: 65%)
5. 2019 – (8 Weeks) Accreditation and Outcome Based Learning (Marks: 62%)
6. 2019 – (12 Weeks) The Joy of Computing using Python (Marks:84%)

Continuing Education Programs - Attended

1. 2021Jan 18-22Online **One Week**FDP on Emotional Intelligence organized by MNIT, Allahabad sponsored by AICTE Training and Learning Academy, New Delhi

2. 2021 Feb 01-05 Online **One Week**FDP on Construction Technology organized by IIT, Jammu sponsored by AICTE Training and Learning Academy, New Delhi
3. 2020 Jul 27-31 Online **One Week**FDP on Amplifying Proficiency in Advanced Civil Engineering organized by AISSMS COE, Pune
4. 2020 Jun 22-26 Online **One Week**FDP on Emerging Trends in Civil Engineering organized by APSIT, Thane
5. 2020 Aug 03-08 Online **One Week**STTP on Disaster Management and Mitigation by Dr. NGP Institute of Technology sponsored by AICTE, New Delhi
6. 2020 April 28 – May 04 **One week** FDP on Open FOAM organized by AISSMS COE Pune sponsored by MHRD, New Delhi
7. 2019 Dec 30th to 2020 Jan 3rd **One-week** FDP on Advanced Data Analysis & Decision Making organized by VJTI, Mumbai sponsored by MHRD, New Delhi
8. 2019 Jul 15-19 **One-week** QIP STTP on Applications of Remote Sensing and GIS for Hydrology and Water Management sponsored by AICTE, New Delhi
9. 2019 Jun 03-07 **One-week** STTP on Basics of Property Documentation organized by D. Aher COE, Karad
10. **2018** Jul 17-21, **One-week** STTP on HIT Office (Construction ERP) by Engineering Design Software and Services Pvt Ltd, Pune
11. **2014** Jan 20-24 **One Week** STTP on “NBA Accreditation – Mapping of PEO’s PO’s & CO’s” organized by National Institute of Technical Teachers’ Training & Research Bhopal sponsored by MHRD Govt. of India, Nashik.
12. **2013** Jan. 21-23 **Three Days** faculty development program on “Recent Trends in Non-Conventional Energy Sources” organized by Ashokrao Mane Polytechnic Vathar.
13. **2012** Feb. 26-29 **One Week** International conference “Geomatrix’12” on “Geospatial Technologies and Application” organized by Indian Institute of Technology Bombay.
14. **2009** Dec.26-30 **One Week** workshop STTP on “Global Accreditation: Planning and Teaching for an Outcome Based Learning Process” organized by ADCET Ashta.
15. **2009** May 11-13 **ThreeDay** workshop STTP on “Performance based teaching technique” organized by ADCET Ashta.
16. **2008** Dec. 01-05 **One Week** workshop STTP on “High Impact Teaching Skills” organized by Wipro’s Mission 10X program at KBP COE Satara.
17. **2004**Nov. 29 – Dec. 10 **Two Week** workshop STTP on “Recent Developments in Rock Mechanics & Tunneling Technology” organized by RIT Sakharale.
18. **2004** July 12-16 **One-week** workshop STTP on “Special Methods of Teaching Engineering Mechanics” organized by AISSMS COE Pune.

References

1. Dr. R. Nagarajan, Professor, CSRE, IIT, Bombay, Mumbai. India.
Cell:9869574020; Email:rn@iitb.ac.in
2. Dr S P Patil, Principal, Karmayogi College of Engineering Pandharpur.

Cell: 950 376 3370; Email: sanj22ony@yahoo.co.in
3. Mr. Satish Vengoli, Trustee, Gharda Foundation Cell: 98201 98418

Address:

| Correspondence Address | Permanent Address |
|---|---|
| Flat 3, Vishalgad, GIT Staff Quarters, A/P Lavel, Tal-Khed, Dist: Ratnagiri 415708 | 23, 'Sankalp', JaywantraoSalokhe Park, Near Rajopadhe Nagar, Kolhapur 416012 |