



Department of Civil Engineering Faculty Profile

Prof. Pankaj R. Modak

BE, M.Tech (Environmental Engg.)

(Ph.D Pursuing)

Assistant Professor

prmodak@aissmscoe.com

(020) 26058587; Extn: 1308



Research Areas/ Areas of Interest

Environmental Engineering, Geoinformatics, Geotechnical Engineering

Personal Details

Date of Birth : 05 / 08 / 1982

Domicile: Maharashtra

Gender : Male

Blood Group: B+ve

Contact Details: B101, Karan Jaymala Society, Near last bus stop, Old Sangavi,
Pune –411027

Academic Background

| S. NO. | Qualification | Specialization | University | Class/Grade | Year of Passing |
|--------|---------------|---------------------------|------------|------------------|-----------------|
| 1 | M.Tech | Environmental Engineering | VNIT | I st | May 2008 |
| 3 | B.E. | Civil Engineering | VNIT | II nd | May 2005 |
| 3 | Ph.D Pursuing | Civil Engineering | UoT | -- | -- |

Work Experience

| S. No. | Type of Experience | Years | Months |
|--------------|--------------------|-----------|----------|
| 1 | Teaching | 15 | 5 |
| Total | | 15 | 5 |

Subjects/Courses Taught

| S. No. | Subject | UG/PG | Class (FE/SE/TE/BE/ME) | No of times Subject Taught |
|--------|------------------------------|-------|------------------------|----------------------------|
| 1 | Surveying | UG | SE (Civil Engineering) | 12 |
| 2 | Geotechnical Engineering | UG | SE (Civil Engineering) | 04 |
| 3 | Advanced Surveying | UG | TE (Civil Engineering) | 09 |
| 4 | Environmental Engineering-I | UG | TE (Civil Engineering) | 04 |
| 5 | Environmental Engineering-II | UG | BE (Civil Engineering) | 04 |
| 6 | Air Pollution and Control | UG | BE (Civil Engineering) | 06 |

Research Publications

| | National | International | State | SCI/ Scopus Indexed | UGC Approved |
|--------------------|----------|---------------|-------|---------------------------|-----------------|
| Journals | 01 | 10 | 04 | 02 | 04 |
| Conferences | 01 | 07 | --- | -- | -- |

Publication Details (Journals)

| S. No | Document Details | Authors | Year | Source Details | ISBN/ ISSN | Publisher |
|-------|--|-----------|------|-------------------------------|---------------|-------------------------------|
| 1. | Prediction of Compressive Strength of High Strength Concrete using Artificial Intelligence and Machine Learning Techniques | P R Modak | 2023 | Material Science & Technology | 1005-0299 | Material Science & Technology |
| 2. | Heavy metal removal using agricultural waste adsorbents | P R Modak | 2020 | Test Engineering | 0193-4120 | Matingley |
| 3. | Assessment and improvement of urban water quality with web based MIS | P R Modak | 2022 | Airo International Research | 2320-3714 | Airo |
| 4. | An Investigation of the Quality of Urban sources of Water and the Advantages | P R Modak | 2021 | Airo International Research | 2320-3714 | Airo |

Publication Details (Conferences)

| S. No | Document Details | Authors | Year | Conference Details | ISBN | Organised by |
|-------|---|-----------|------|---|----------------|------------------------|
| 1. | River water pollution monitoring and control measures | P R Modak | 2023 | ITHER 2023 | -- | RMG College of Science |
| 2. | Heavy metal removal using agricultural waste adsorbents | P R Modak | 2020 | International conference on science, engineering and technology, organized by IFERP | ISSN 0193-4120 | IFERP, Pune |
| 3. | Micro Hydro Irrigation-A review | P R Modak | 2021 | Hydro 2021 | -- | --- |

PhD / ME / BE Student Guided for Project

| Level | Ph.D. | M.E. (PG) | B.E. (UG) |
|-----------------------|-------|-----------|-----------|
| No. of Student guided | - | -- | 70 |

Professional Memberships

| Professional Body | Level (National/ International) | Type (Fellow/Life/Annual) | Membership No. |
|----------------------------------|----------------------------------|---------------------------|----------------|
| Indian Society of Hydraulics | National | Life | LM 1321 |
| Institution of Engineers (India) | National | Life | M-160529-6 |

| | | | |
|--|----------|------|--------------|
| Solar Energy Society of India | National | Life | LM/2514/2021 |
| The Indian Society for Technical Education | National | Life | LM 134139 |
| Indian Water Works Association | National | Life | LM 10251 |

Books Published

| S. No | Title | Name of the Publisher | ISBN/ISSN Number |
|--------------|--|------------------------------|-------------------------|
| 1 | Concrete Technology | Technical Publications | 978-9350996607 |
| 2 | Basic Civil and Environmental Engineering | Success Publications | 978-9351584148 |
| 3 | Building Technology and Materials | Technical Publications | 978-9350991541 |
| 4 | Water Resources Management and Reservoir Operation | Springer | 978-303093999 |

Details of Workshop/STTP/FDP/Seminar / Conferences Organized

| S. No | Title | Type | Duration | Level (State/National/ International) | Sponsoring Agency |
|-------|--|-------------------|--|---------------------------------------|-------------------|
| 1 | Green technology for sustainable development | National Workshop | 23-24 Jan 2019 | National | SPPU |
| 2 | Applications of GIS | STTP | 30 th Nov-18 th Dec 2020 | National | AICTE |

Details of STTP/Workshop Attended

| S. N | Title | Type | Duration | Organizer | Sponsoring Agency |
|------|---|-------------|-----------------|--|-------------------|
| 1 | Solid waste Management | Workshop | 26-27 Feb 2020 | Walchand College of Engineering, Sangli | AICTE (TEQIP-III) |
| 2 | Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment | FDP | 10-15 June 2019 | AISSMS College of Engg, Pune | ISTE |
| 3 | Global perspective to low carbon emissions | GIAN course | 11-16 May 2019 | Visvesaraya National Institute of Technology, Nagpur | MHRD |

Major Roles and Responsibilities held

| S. No | Role and Responsibilities |
|-------|--|
| 1 | Coordinator, University of Hyderabad Entrance Examinations-2018, 2019 & 2020 |
| 2 | Biogas facility incharge |
| 3 | Department Academic Coordinator |

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

Prof. Pankaj R Modak