Faculty CV



1. Name of Faculty: Dr. PATHAK SUDHIR SOMNATH

1. Present Position : Lecturer in Civil Engg Deptt.
2. Address : 8, Geetnarayan Enclave,

Dalubhai Patel Colony,

Opp.Govt.Milk Dairy,Trimabk Rd.

Nashik – 422 002

1. Mobile No. : 9423179600
2. E-Mail Id : sspathak28@gmail.com
3. Date of Birth : 28-01-1962

**5**. Memberships of professional organizations/Bodies :

|  |  |  |
| --- | --- | --- |
| **Sr No.** | **Name of Organisation** | **Membership No.** |
| 1 | Institution of Engineers | FIE-F1214116 |
| 2 | Indian Society for Technical Education | LM6900 |

**QUALIFICATIONS:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Examination** | **Institute** | **Board/**  **University** | **% of**  **Marks** | **Class Award** | **Remark** |
| 1 | B.E.(CIVIL) | College of Engineering, Pune | Pune University | 61.46 | Ist class |  |
| 2 | M.E.(CIVIL) | KBP college of Engineering Satara | Shivaji University ,Kolhapur | 65.07 | Ist class |  |
| 3 | ADCSSAA | Government Polytechnic Nashik | Maharashtra State Board of Technical Education, Mumbai | 70.25 | Ist class |  |
| 4 | Ph. D. (Civil Engg) | NITTTR, Chandigarh | Punjab University | Not Applicable | Not Applicable |  |

**ADDITIONAL SKILLS**

Completed one year computer diploma in ADCSSAA

Worked as Asstt .Project Officer in **Community Polytechnic (1996-2007) Scheme of Ministry of HRD, New Delhi .**

Worked as Staff Development Manager in **Canada India Institute Industry Linkage Project**. Worked as coordinator for Maharashtra State IT PG Diploma and Advanced diploma courses

**CAREER DETAILS:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Organization** | **Designation** | **Duration** | **Period** | **Work Done in Brief** |
| 1 | JOG Engineering Ltd., Pune | Junior Engineer | 3 Years | Aug. 1986 to  June 1989 | Worked as Engineer for construction of .Water Treatment Plant, Parali and .Water Treatment Plant, Satara. |
| 2 | Pravara Engineering College, Loni | Lecturer in Civil Engg Deptt. | 6 Years | Oct. 1989 to Jan. 1996 | Taught Subjects Environment Engg. ,and Transportation Engineering. Development of Environmental Lab and Transportation Engg. Lab |
| 3 | Government Polytechnic, Nashik | Lecturer in Civil Engineering Deptt. | 14 Years | Jan.1996  to  June 2010 | 1. Worked as Asstt .Project Officer in **Community Polytechnic (1996-2007) Scheme of Ministry of HRD, New Delhi .** 2. Worked as Staff Development Manager in **Canada India Institute Industry Linkage Project**. In this project developed. Worked as Strategic Planning Facilitator along with Canadian faculty under **Canada India Institute Industry Linkage Project**. Worked in Curriculum development of Vocational Trade at National Level in the project. 3. Worked as coordinator for Maharashtra State IT PG Diploma and Advanced diploma courses 4. Presentation of **Five papers** in National Seminar/ Conferences |
| 4 | Government Polytechnic, Pune | Lecturer in Civil Engineering Deptt. | 4 years | June 2010  to  August 2014 | 1. In charge for Scholarships from NGO/Companies to Poor Boys 2. Trained Computer Aided Drawing to more than three hundred Officers in PWD. 3. Worked as Expert faculty in Civil Engineering at G. P. Avsari. Part time Diploma and Distance Learning Diploma at G. P. Pune 4. Maintenance of Buildings and Water Supply at G P Pune |
| 5 | Government Polytechnic, Nashik | Lecturer in Civil Engineering Deptt. | 3 Years | August 2014 to  till date | * Completed Ph. D On “SCC using Flyash and RHA” from Panjab University Chandigarh * Presented **TEN PAPERS** in International Journal, National Journal, International and National Conferences. One of the paper received best paper award by Indian Building Congress, Professional Body for civil Engineer at VigyanBhvan Delhi * Working as coordinator for "**Civil Engineering Assistant Training Progrmme** for society at large * Organizing expert lectures and industrial Visits for Students * Worked as expert for Technical Audit for Roads, Buildings and other works for Kumbhmela at Trimbakeshwar |

**SPECIALIZED TRAINING COURSES ATTENDED:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Course Name** | **Duration** | **Place** | **Training Agency** | **Remarks** |
| 1 | Role of Community Polytechnic in Rural Development | 13.05.1996 to  17.05.1996 | Hyderabad. | National Institute of Rural Development, Hyderabad. |  |
| 2 | Induction (Technical Teachers Training) Phase-I | 5.8.1996 to 23.8.1996 | Aurangabad | Government Polytechnic, Aurangabad |  |
| 3 | Quality Control in Cement Concrete | 20.10.1997 to 24.10.1997 | Nagpur | Government Polytechnic, Nagpur |  |
| 4 | Non conventional Energy Sources | 14.10.1997 to 18.10.1997 | Nashik | Government Polytechnic, Nashik |  |
| 5 | Waste Water Treatment | 1.2.1999 to 6.2.1999 | Nashik | Government Polytechnic, Nasik |  |
| 6 | Utilization of Non-conventional Energy Sources | 30.12.1997 to 12.1.1998 | Allahabad | Institute of Engg& Rural Technology, Allahabad. |  |
| 7 | Computer Programming in Visual Basis | 21.6.1999 to 3.7.1999 | Mumbai. | Government Polytechnic, Mumbai. |  |
| 8 | Induction (Technical Teachers Training) Phase-II | 4.5.1998 to 30.5.1998 | Aurangabad | Government Polytechnic, Aurangabad. |  |
| 9 | DACUM-Workshop | 11.3.2002 to 19.3.2002 | Allahabad | Government Polytechnic, Nashik |  |
| 10 | Competency Based Education | 21.10.2002 to24.10.2002 | Bhopal | T.T.T.I.Bhopal |  |
| 11 | SPG Training Phase III | 15.10.2002 to 17.10.2001 | Mumbai | Government Polytechnic,Mumbai |  |
| 12 | Transfer of Technology for Rural Development | 10.1.2000 to 14.1.2000 | Bhopal | T.T.T.I.Bhopal |  |
| 13 | Industrial Training for Technical Teacher. | 10.5.04 to 4.6.04 | Bhopal | NITTTR, Bhopal |  |
| 14 | Monitoring, Repair and Rehabilitation of Structures | 3.08.2009 to 07.08.2009 | Chandigarh | National Institute of Technical Teachers Training and Research, Chandigarh |  |
| 15 | Artificial Neural Network and Fuzzy Logic | 08.02.2010 to12.02.2010 | Chandigarh | National Institute of Technical Teachers Training and Research, Chandigarh |  |
| 16 | Green Building Concepts and Practices | 15.09.2014 to19.09.2014 | Chandigarh | National Institute of Technical Teachers Training and Research, Chandigarh |  |

**RESEARCH ACTIVITIES**

Papers published in Refereed Journal Articles (Total 05)

**Publications in International Journal**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Year of publication** | **Name of Journal** | **Title of research paper** | **Details** |
| 1 | 2009 | International Journal of Recent Trends in Engineering | Incorporating European Standards for Testing Self Compacting Concrete in Indian Conditions | Vol. 1, No. 6, June 2009,  pp.41-45 |
| 2 | 2012 | International Journal of Advanced Computer Science and Applications | Prediction of Compressive Strength of Self compacting Concrete with Flyash and Rice Husk Ash using Adaptive Neuro-fuzzy Inference System | Vol. 3, No. 10, 2012,  pp.119-122 |

**Publications in National Journal**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Year of publication** | **Name of Journal** | **Title of research paper** | **Details** |
| 1 | 2008 | Journal of Indian Building Congress, New Delhi | Use of Mineral Admixtures in Self Compacting Concrete for High Rise Buildings | May 2008, Vol.15,No.1  pp.79-85 |
| 2 | 2009 | Journal of Indian Building Congress, New Delhi | Use of Nonconventional Mineral Admixture Blend in Concrete Structures | July 2009, Vol.16, No.2,pp.154-160 |
| 3 | 2008 | Journal of Engineering and Technology, NITTTR, Chandigarh | Improvement of Rheology of Self Compacting Concrete Using Non-biodegradable Waste | Vol.2, No.2  July-Dec 2008  pp.9-15 |

**Presentations and Publications in Refereed International Conference Proceedings (Total 2 )**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Year** | **Name of Conference** | **Title of research paper** | **Venue** |
| 1 | 2007 | International Conference on Recent Developments in Structural Engineering (RDSE-2007) | Self-Compacting Concrete - A boon for construction industry | MIT, Manipal, Karnataka September 2007, |
| 2 | 2008 | International Conference on Innovations in Building Materials, Structural Designs and Construction Practices - IBMSDCP – 2008 | Development of Self Compacting Concrete - A World Scenario | BAIT, Sathyamangalam, May 2008 |

**Presentations and Publications in Refereed National Conference Proceedings (Total 3)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Year** | **Name of Conference** | **Title of research paper** | **Venue** |
| 1 | 2007 | National Seminar on Recent Trends in Geotechnical and Structural Engineering-RTGSE 2007 | Comparative Study of Different Design Methods for Self Compacting Concrete | MNIT, Jaipur, December 2007 |
| 2 | 2008 | National Conference on Emerging Technologies In Civil Engineering -NCETCE - 2008 | Self Compacting Concrete- An Emerging Technology in Construction Industry | P.D.V.V.P College of Engineering Ahmednagar), February 2008 |
| 3 | 2008 | National Conference on Green Technology NCGT-2008 | Fusion of Spectrum for developing Sustainable Concrete Fusion of Spectrum for developing Sustainable Concrete | Govt. Polytechnic, Nashik, |
| 4 | 1998 | Teacher’s Role in Environmental Awareness | Importance of Non-conventional Sources of Energy | AmritvahiniSheti&ShikshanVikasSanstha, Sangamner, Dist. Ahmednagar. |
| 5 | 2000 | Solid Waste Management | Use of Flyash as a Construction Material | The Institution of Engineers (IndiaNagpur Local Centre) |

**Reviewer for international Journals**

**NIL**

**WORK DONE IN THE AREA OF TECHNICAL EDUCATION**

Presented following papers paper in Conferences on Technical Education

* Autonomy in Technical Education – Experience at Govt. Polytechnic, Nashik
* Impact of Autonomy & Industry Institute Interaction in development Technical Education
* SWOT analysis in Autonomous Technical Institution

**WORKSHOP/ COMPETITION ARRANGED**

Arranged poster , technical quiz and essay competition

**PROJECT GUIDANCE**

Guided more than twenty projects

**EXPERT TALK**

* Expert lecture on Roller Compacted Concrete for Third Tear Civil Engineering Students
* Worked as Expert faculty in Civil Engineering at G. P. Avsari. Part time Diploma and Distance Learning Diploma at G. P. Pune

**WORK DONE AT ORGANIZATIONAL LEVEL**

* Worked as Asstt .Project Officer in **Community Polytechnic (1996-2007) Scheme of Ministry of HRD, New Delhi .**
* Worked as Staff Development Manager in **Canada India Institute Industry Linkage Project**. In this project developed. Worked as Strategic Planning Facilitator along with Canadian faculty under **Canada India Institute Industry Linkage Project**. Worked in Curriculum development of Vocational Trade at National Level in the project.
* Worked as coordinator for Maharashtra State IT PG Diploma and Advanced diploma courses
* Maintenance of Buildings
* Worked as coordinator for "**Civil Engineering Assistant Training**

**WORK DONE FOR SOCIETY**

* Executed construction of water treatment plant at Satara and Parali.
* Trained Computer Aided Drawing to more than three hundred Officers in PWD.
* Worked as Assistant Project Officer For Community Polytechnic from 1997-2007 for technology transfer, technical support services and manpower development in appropriate technology for upliftment of socioeconomic status of rural community. Total no of benificiarieries 6500 . Total no of villages covered -40
* Under Community Services, Blood Donation Camps, Aids awareness camps, exhibition to **improve their health awareness are conducted. Because of this contribution Institute is** honoured by various NGO’s like Arpan Blood Bank, Jankalyan Blood Bank etc.
* Worked as Staff Development Manager in **Canada India Institute Industry Linkage Project**. project Faculty and supporting staff trained in various latest technology, education technology and management for developing and delivering need based curricula as per requirements of different stake holders..

**OTHER WORK**

* In charge for Scholarships from NGO/Companies to Poor Boys at G. P. Pune

**HONORS AND AWARDS**

* **Excellent Engineer Award by Lions Club of Nashik**
* Awarded as Strategic Planning Facilitator along by MHRD under **Canada India Institute Industry Linkage Project**
* **Awarded as Applied Dacum Facilitator** by MHRD under **Canada India Institute Industry Linkage Project**

**RESEARCH /OTHER GRANTS**

**NIL**

**SIGNATURE**