

**GOVERNMENT POLYTECHNIC, ARVI**  
**FACULTY PROFILE & TRAINING INFORMATION**  
**DEPARTMENT : CIVIL ENGINEERING DEPARTMENT**

1. **Name of the faculty member** : Dr. Satish Pralhadrao Burghate
2. **Designation** : Head of Civil Engineering Department
3. **Date of Birth & Age** : 27/07/1967
4. **Date of joining Tech Ed Deptt** : 01/02/1996
5. **Date of joining at G. P., Arvi** : 31/12/2016
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**8. Academic Qualification**

Sr. No.	Degree Held	University	Year of passing	Specialization
1	B. E. (Civil Engineering)	Sant Gadge Baba Amravati University, Amravati	1988	Civil Engineering
2	M. E. (Environmental Engineering)	Sant Gadge Baba Amravati University	1992	Environmental Engineering
3.	PhD	Sant Gadge Baba Amravati University	2015	Civil Engineering

**9. Research Publication :**

- i) “Studies on Fluidized Bed Biofilm Reactor (FBBR) For COD Removal” (2003). *Environmental Pollution Control Journal*, **Vol. 6**, No. 2, Jan – Feb 2003. page 42 – 46
- ii) “Denitrification By Fluidized Bed Biofilm Reactor An Overview” (2003). *Environmental Pollution Control Journal*, **Vol. 6**, No. 3, March – April 2003. page 30 – 37
- iii) “Design Aspects for Aquatic Macrophyte Based Hyacinth Pond And Triphasic Digester” (2003). *Environmental Pollution Control Journal*, **Vol. 6**, No. 3, March – April 2003. page 38 – 46
- iv) “Water Hyacinth – A Problem or An Agricultural Resource? A Critical Review” (2005), *Pradushan Nirmulan Journal*, **Vol. 2**, No. 1, January 2005, page 44 – 60
- v) “Biological Fluidized Bed Treatment for COD Removal and Denitrification” (2005) *Journal of Institution of Public Health Engineers (India)*, **Vol. 2005**, No. 1, January – March 2005, page 55 – 61

- vi) "Denitrification Potential of Fluidized Bed Biofilm Reactor", (2013), *International Journal of Research in Environmental Science and Technology*, **Vol. 2013**, No. 3(3), June 2013, page 78 – 85
- vii) "Efficiency Evaluation of FBBR for Denitrification using Fly Ash", (2013), *Journal of Environmental Science, Computer Science and Engineering and Technology*, **Vol. 2**, No. 3, June - August 2013, page 597 – 609
- viii) "Performance of a Fluidized Bed Biofilm Reactor for Nitrate Removal", (2013), *International Journal of Research in Engineering and Sciences*, Vol. 1, Issue 7, No. 3(3), November 2013, page 38 – 47
- ix) "Biodenitrification by Fluidized Bed Biofilm Reactor", (2013), *International Research Journal of Environmental Sciences*, **Vol. 2**, No. 12, December 2013, page 1 – 10
- x) "Fluidized Bed Biofilm Reactor – A Novel Wastewater Treatment Reactor", (2013), *International Journal of Research in Environmental Science and Technology*, **Vol. 2013**, No. 3(4), December 2013, page 145 – 155
- xi) "Denitrification by Fluidized Bed Biofilm Reactor Using Stone Dust as Biofilm Carrier Media", (2013), *International Journal of Engineering Sciences and Research Technology*, **Vol. 2**, No. 12, December 2013, page 3402 – 3413
- xii) "Biological Denitrification – A Review", (2013), *Journal of Environmental Science, Computer Science and Engineering and Technology*, **Vol. 3**, No. 1, December 2013 - February 2014, page 09 – 28
- xiii) "Bio-removal of Nitrate from Wastewater by FBBR", (June 2012), *International Journal of Environmental and Waste Management (Inderscience Publishers)*

**List of Papers Published in Conference:**

- xiv) "Utility of Solid Waste for energy generation with reference to Pusad city" (2003). All India Seminar on 'Challenges in Environmental Protection and Possible Solutions' organized by Institution of Engineers (I) Amravati Local Centre, on Jan 11-12, 2003. page 403-410.
- xv) "Reinforced Earth – A New Construction Technology" (2005). National Seminar on 'Futuristic Construction Materials and Techniques (FCMT – 2004)' organized by M. B. M. Engineering College, Jai Narain Vyas University, Jodhpur, Rajasthan on Feb 21-22, 2005.
- xvi) "Management of Agro and Distillery Waste for Resource Generation" (2005). National Conference on 'Solid and Hazardous Waste Management : Problems and Solutions' organized by International Development Centre Foundation, New Delhi in collaboration with Centre for Occupational And Environmental Health , Lok Nayak Hospital, New Delhi on April 28-29, 2005, page 50-61.
- xvii) "Utilization of Rice Husk, An Agro Waste in Construction Industry" (2005). National Conference on 'Solid and Hazardous Waste Management : Problems and Solutions' organized by International Development Centre Foundation, New Delhi in collaboration with Centre for Occupational And Environmental Health , Lok Nayak Hospital, New Delhi on April 28-29, 2005, page 14-20.
- xviii) "Treatment of Wastewater for Nitrogen Control by Two Stage Fluidized Bed Biofilm Reactor" (2006). International Conference on 'Management of Water, Wastewater and Environment : Challenges for the Developing Countries' organized by Nepal Engineers' Association, Kathmandu, Nepal in collaboration with Society of Public Health Engineers, Nepal,

Government of Nepal : Ministry of Environment, Science and Technology and Ministry of Physical Planning and Works on September 13-15, 2006, page 61.

- xix) “Defluoridation Technologies – A Review” (2006). International Conference on ‘Management of Water, Wastewater and Environment : Challenges for the Developing Countries’ organized by Nepal Engineers’ Association, Kathmandu, Nepal in collaboration with Society of Public Health Engineers, Nepal, Government of Nepal : Ministry of Environment, Science and Technology and Ministry of Physical Planning and Works on September 13-15, 2006, page 61.

## 10. Details about training / seminars / workshop etc

(From years 2018-19, 2017-18, 2016-17)

### A) Expert Lecture/Seminar delivered

Sr. No.	Title of Lecture / Seminar	Date	Venue
1	NIL	NIL	NIL

### B) Workshop / Seminar Attended

Sr. No.	Name of Workshop / Seminar Attended	Date	Venue	Days/Week
1	NIL	NIL	NIL	NIL

### C) Training attended

Sr. No	Title	ISTE/MSBTE/DTE/AICTE/YAS HADA/NITTTR/ OTHER	Date	Venue	Days/ Week
1	Valuation of Property and Its Estimation	MSBTE	08.01.2018 - 12.01.2018	Government Polytechnic, Amravati.	One Week

### D) Workshop / Seminar Organised

Sr. No.	Name of Workshop / Seminar Organised	Date	Venue	Days/ Week
1	Improving Quality in Diploma Technical Education	30/01/2018 to 03/02/2018	Government Polytechnic, Arvi.	One Week

(Dr. Satish Pralhadrao Burghate)