

## Faculty CV



1. **Name of Faculty :** Dr. Radha Sushil Bang
2. **Present Position :** Lecturer, Civil Engineering
3. **Address :** Govt. Polytechnic, Osmanpura, Aurangabad-431 005
4. **Mobile No. :** 9421685931
5. **E-Mail ID :** rsbang@rediffmail.com
6. **Date of Birth :** 14/01/1972
7. **Memberships of professional organizations/Bodies:**
  - Life Member of Indian Society for Technical Education. Membership No. : LM 38090
  - Member of management committee of Girls primary municipal corporation school usmanpura, Aurangabad

### **QUALIFICATIONS:**

Sr.No	Examination	Institute	Board/University	% of Marks	Class Award
1.	Ph D - STRUCTURES	Government College of Engineering, Aurangabad	Dr. BAMU Aurangabad 2013	--	----
2.	M.E. CIVIL - STRUCTURES	Government College of Engineering, Aurangabad	Dr. BAMU Aurangabad 2000	67.52	FIRST CLASS
3.	B.E.CIVIL	Government College of Engineering, Amravati	Amravati University 1993	64.00	FIRST CLASS

### **ADDITIONAL SKILLS:**

- I. Curriculum Development & Expert Technical talk on Rain water Harvesting
- II. Human Resource Development & Expert talk & guidance on current issues.
- III. Third party audit consultancy work
- IV. Academic Auditing & Examination
- V. Conducting Social awareness program

**CAREER DETAILS:**

Sr. No.	Organization	Designation	Duration	Period	Work Done in Brief
1	Bhusari Construction Aurangabad	Engineer	4 years	20-7-93 to 21-7-97	Site engineer
2	Government College of Engineering, Aurangabad	lecturer	4 years	22-10-97 to 26-11-01	11 month DTE order
3	Government Polytechnic, Aurangabad	Selection grade lecturer	8 years 4 month	27-11-01 to 18-7-2010	MPSC faculty
4	Government Polytechnic, Jalna	Selection grade lecturer	2 years	11-06-2010 to 19-6-2012	MPSC
5	Government Polytechnic, Aurangabad	PB4 grade lecturer	8 years 4 month	20-06-2012 to till date	MPSC

**SPECIALIZED TRAINING COURSES ATTENDED:**

Sr. No	Course Name	Duration	Place	Training Agency
	Advance course on Watershed Management”	3-1-2000 to 15-1-2000	Government Engineering college Aurangabad.	AICTE - ISTE
	Phase one Introduction Programme	15-04-2002 to 10-5-2002	Government polytechnic Aurangabad.	NITTR BHOPAL
	Environmental Pollution Control	14-7-2003 to 25-7-2003	Government Engineering college Aurangabad.	AICTE-ISTE
	Watershed Management	30-8-2005 to 3-9-2005	Government polytechnic Aurangabad	MSBTE Mumbai
	Rehabilitation And Retrofitting of Structures	28-11-2005 to 3-12-2005	IIT-Delhi	QIP
	Ultrasonic NDE Of Composite Materials	3-10-2006 To 8-10-2006	IIT Kanpur	QIP
	Development Of Learning Resources Using Multimedia	31-10-2006 to 11-11-2006	Government polytechnic Aurangabad.	ISTE
	Seismic Soil Structure Integration Analysis In Time Domain	26-3-2007 to 30-3-2007	IIT Chennai	NPEEE
	Earthquake Engineering literature survey workshop	27-8-2007 to 5-9-2007	IIT Kanpur	NICEE
10.	Seismic Resistant design of Masonry and reinforced	8-1-2007 to 13-1-2007	ITSC Bangalore	NPEEE

	concrete buildings			
11.	Engineering Optimization Techniques And Its Application In Application In Research	2-1-2012 to 12-1-2012	Government Engineering college Aurangabad	ISTE
12.	Remote Sensing Geographic Information System And Its Application	1-6-2012 to 15-6-2012	NITTR Extension center, Pune	NITTR PUNE
13.	Induction Training Programme phase-II	17-09-2012 to 28-09-2012	Government polytechnic Aurangabad.	NITTR Bhopal
14.	Engineering Optimization And Its Applications	25-6-2012 to 29-6-2012	Government Engineering collage Aurangabad	TEQIP-II
15.	Introduction Training Programme Phase-II	17-09-2012 to 28-09-2012	Government polytechnic Aurangabad.	NITTR Bhopal
16.	Research Methodology Concepts And Tools	16-12-2013 to 20-12-2013	Government Engineering collage Aurangabad	TEQIP-II
17.	Green Building	15-1-2013 to 19-1-2013	Government polytechnic Aurangabad	MSBTE
18.	Classroom Communication through ICT	28-5-2018 to 1-06-2018	Government polytechnic Aurangabad	NITTR Chandigarh
19.	Bridging the Gap between Industry Expectations & Academia through Curriculum Design, Lab experiences & Vocational Training	21 -1-2019 to 25 -1-2019	Government polytechnic Aurangabad	DTE Mumbai
20.	Role of Industry Institute Interaction and alumini for development of technical education	11-3-19 to 15-3-19	Government Engineering college Aurangabad	DTE Mumbai

#### **RESEARCH ACTIVITIES:**

- Awarded Ph.D on 28 Jan. 2013
- Worked as Reviewer of International Conference on Reliability, Risk maintenance and Engineering Management ( ICRRM-2019)

#### **PAPERS IN NATIONAL CONFERENCES: (06)**

1. "Recharging of Aquifers through Rain Water Harvesting" National conferences SWARDAM 2013, 30 Sept.-1 Oct.2013, Government College of Engineering Aurangabad.
2. "Creation of Wealth from Waste" National conference on Emerging Trends in Engineering and Technology" Frontier – 2007 December 17-18, Babasaheb Naik College of Engineering, Pusad – 445215.

3. "Artificial Sand (AS) As an Alternative Material to Natural Sand (NS) In Concrete Manufacturing" National conference on Emerging Trends in Engineering And Technology" Frontier-2007 December 17-18, Babasaheb Naik college of Engineering, Pusad-445215.
4. "Earthquake Disaster Management" XI State convention of Indian society for Technical Education (ISTE) (Maharashtra & Goa section), "Technical Education in Changing Global Scenario" December 2-3 2006.
5. "Need Of Problem Based Learning In Engineering Education" National Conference on Emerging Trends in Engineering Education, October 25-26 2002, Engineering Education Foundation Pune, GECA & GPA.
6. "Creation of wealth from Waste" XI State convention of Indian Society for Technical Education (ISTE) (Maharashtra & Goa section), "Technical Education in Changing Global Scenario" December 2-3 2006.

#### **PAPERS IN INTERNATIONAL CONFERENCE: (03)**

1. "Strength And Durability of Concrete with Pond ash and Crushed Sand as Fine Aggregate", International conference ICIWSE-2010, Government College of Engineering Aurangabad.
2. "Appraisal of Eco-Friendly Concrete by using Pond ash And Crusher Stone Dust as Fine Aggregate" 33RD IABSE Symposium, 9-11 Sept. 2009, Bangkok, Thailand.
3. "Performance Steel Fibre Reinforced Artificial Sand Concrete" 33rd IABSE Symposium, 9-11 Sept. 2009, Bangkok, Thailand.

#### **PAPERS IN TECHNICAL JOURNAL: (04)**

1. "Appraisal of Artificial Sand Concrete" Journal of Institute of Engineers, January 2010, pp. 10-12.
2. "Strength and Durability Studies of Pond Ash Concrete", Civil Engineering and Construction Review, January 2012, vol.25.No.01, pp. 120-126.
3. "Strength Performance of Pond Ash Concrete" International Journal of Earth Science and Engineering, February 2012, Vol.05, No.01, pp.180- 185.
4. "Use of Pond Ash as Fine Aggregate – Experimental Study", Civil Engineering and Construction Review, January 2009, vol.22 .No.01, pp.48-51.

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

- Working as community polytechnic In-charge for civil engineering department.
- Worked as In-charge head at G.P. Jalna from 2010-2012
- Developed Environment Engineering Laboratory in 2006 at G.P. Aurangabad.
- Worked as officer-in-charge for local assessment centre, controller for MSBTE examination.
- Worked on institute level portfolio as girls hostel warden, campus landscaping development, co-ordinator for organizing exhibition (such as Pani Bachhat-Urja Bachhat ) on 15 Aug. 2006, social gathering event , State level paper presentation (e- Tycone 2008) etc.
- Worked as coordinator for NPEEE (National programme on Earthquake Engineering Education) and Civil Engineering Department get selected form

NPEEE grant in year 2004 for library grant of rupees one lakhs and more than one lakh rupees books are available in department library. Earthquake engineering compulsory course is also introduced in revised curriculum of civil dept. at GPA.

#### **WORKSHOP/COMPETITION ARRANGED:**

- Arranged one day workshop on Earthquake engineering and 127 students from Aurangabad region had participated on 23<sup>rd</sup> Feb. 2006 on event of Golden jubilee year of GPA 2005.
- Worked as Coordinator for State level MSBTE Technical Paper presentation competition 2017-18 on 12<sup>th</sup> September 2017 one day workshop on **Earthquake Engineering** and 127 students from Aurangabad region had participated on 23<sup>rd</sup> Feb. 2006 on event of Golden jubilee year of GPA 2005.
- Worked as Coordinated content updating programme on **“Earthquake Engineering”** sponsored by MSBTE from 21<sup>th</sup> Jan to 25<sup>th</sup> Jan 2008 for polytechnic teachers of Maharashtra state.
- Worked as Coordinator for **MSBTE sponsored state level Technical paper presentation competition** on 13 Sept. 2018 organised by Civil engg. Dept. G.P. Aurangabad
- Worked as Co-coordinated for DTE sponsored one week training programme and received sanction for the same. Topic of the STTP is **“Bridging the gap between Industry Expectations and academia through curriculum design, Lab experiences and vocational training”** from 21<sup>st</sup> Jan- 25<sup>th</sup> Jan 2019.

#### **PROJECT GUIDANCE: (I)**

Guided every year final year students in various state and national paper presentation state level project competitions, paper presentation competition. Need based projects participated by student at State level Dipex in year -2006, 2010, 2019 MSBTE state level in year 2014,2015,2016,2017 Dipex 2019 and won prizes in Dipex 2006, and awarded by laghu udhog bharti konkan prant with Gaurav Patra.

#### **EXPERT TALK:**

- Delivered expert talk on Earthquake engineering for final year civil engineering students at Government Polytechnic Jalna
- Delivered expert talk on Rain water Harvesting for final year civil engineering students at Shreyas Polytechnic , Satara Aurangabad
- Delivered expert talk on Rain water Harvesting for final year civil engineering students at Deogiri Engineering institute & Managements studies on

#### **WORK DONE AT ORGANIZATIONAL LEVEL:**

- Executed consultancy work on Rain Water Harvesting and developed Rain Water Harvesting project in 2003 at Government Polytechnic, Aurangabad campus and won prize on world water day 22 March 2013.

- Worked as coordinator for NPEEE (National programme on Earthquake Engineering Education) and Civil Engineering Department get selected form NPEEE grant in year 2004 for library grant of rupees one lakhs and more than one lakh rupees books are available in department library. Earthquake engineering compulsory course is also introduced in revised curriculum of civil dept. at GPA.
- Worked in curriculum revision of Autonomous institute, MSBTE and arranged academic tours, time table in-charge, expert lecturers and industrial visit for the student, paper setter for various autonomous institute, MSBTE and as internal and external examiners for practical/ oral/ term work assessment etc.

#### **WORK DONE FOR SOCIETY:**

- Rain water harvesting awareness work in society.  
Member for **Unnat Maharashtra Abhiyan Jalyukta Shiwar Abhiyan** Works at village Limbejalgaon, Tal-Gangapur, Dist-Aurangabad by Govt. of Maharashtra
- Fuel Awareness programme by participating in cycling rally on 30-4-17.
- Plantation awareness programme in campus as well as in society.

#### **OTHER WORK**

- Delivered Expert Lecturer on Water Conservation, Environment Pollution, and Earthquake Engineering in various Institute.
- Delivered expert talk on “Parenting” “Guidance and counselling for career” at various program conducted in society.

#### **HONORS AND AWARDS:**

- Invited as Guest of Honor for annual day function of pre-primary school for guiding parents.
- World water day 22<sup>nd</sup> March 2019 Award in area of Rain Water Harvesting in Government polytechnic Campus.

#### **SIGNATURE**