



Mr. Basweshwar S. Jirwankar

basweshwar.jirwankar@svkm.ac.in

Contact No.: +91 98500 93300

Teaching Experience: 6.5 Years

Current Position Assistant Professor Civil Engg. Dept. (Since 7 June 2018)
SVKM's Institute of Technology (IOT), Dhule Campus, M.S., IND

Total Experience: 7 Years

2018 – Till Date Assistant Professor, Department of Civil Engineering,
DBATU, SVKM Dhule

2016 – 2018 Assistant Professor, Department of Civil Engineering,
NMU, SSBT Jalgaon

2013 – 2016 Assistant Professor, Department of Civil Engineering,
SPPU, SIEM, Nashik

2012 – 2013 Assistant Professor, Department of Civil Engineering,
RTMNU, KDKCE, Nagpur

2009 – 2010 Site Engineer, SCPL, Chandrapur

Educational Qualification

2018 Ph.D. Civil Engineering* Pursuing, (Surface Analysis), Department of Civil Engineering, OU, Indore, M.P., INDIA.

2014 M.E. Civil Engineering (Transportation Engineering and Management), 81 %, Department of Civil Engineering, SGBAU, Amravati, M.S., INDIA.

2012 B.E. Civil Engineering, 77.34 %, College Rank 2
JNEC, Aurangabad, Dr. BAMU, Aurangabad, M.S., INDIA.

2009 Diploma in Civil Engineering (D.C.E.), 78.69%
M.S.B.T.E. Mumbai, M.S., INDIA.



Professional Recognition/ Awards:

- Obtained "School Rank" in SSC and Awarded by our Secretary of D.A.V. Dhanora (Khurd) (2005)
- Obtained "College Rank-2" in Final Year of Diploma in Civil Engineering at Government Polytechnic Washim (2009)
- I furthermore obtained "University Rank-1" in Environment Engineering in Final year of Engineering and Awarded by the Vice chancellor [Dr. BAMU, Aurangabad] (2012)
- Also got "University Rank" in M.E. 1st and 2nd Year in Transportation Engg. & Management in Amravati University. I am the sole Postgraduate with above achievement among the 24 students in the course (2014)

Memberships:

- INDIAN SOCIETY FOR TECHNICAL EDUCATION-2016 (Lifetime Membership)

List of Paper Published:

- B. S. Jirwankar, B. Prasad, "Augmented evaluation on pedestrian safety in Road Construction and Land use Planning", *Two Day Online International conference on Green Highway Construction- A sustainable approach (ICGHC)*, NIT, Surathkal, Karnataka in Association with Institute of Engineers, Mangalore chapter, 14-15 September 2020.
- B. S. Jirwankar, K. Meshram, "Sustainable Smart City Planning By Means Of Land Use Models for Indian Cities" *International Journal of Scientific & Technology Research*, vol. 9, issue three, March 2020.
- B. S. Jirwankar, K. Meshram, "Urban Planning in India - Treasure out the challenges & solutions for Indian cities", *First International Conference on Challenges and Opportunities for Development of Smart Cities (ICCODS 2020)*, PSR Engineering College, Sivakasi, Tamil Nadu, 23rd - 25th January 2020.
- B. S. Jirwankar, K. Meshram, "An Assessment of Land Use Changes Influenced by Urbanization: Implication with Spatial Distribution of Land using Remote Sensing



Technique," *International Journal of Architecture, Engineering and Construction (IJAEC)*, [Accepted], August 2019.

- Presented a Technical paper entitled "Innovative Techniques in Urban Planning for the development of India." In *National Conference on Sustainable Development of Clean & Green India*, at OUI, Indore, October 2018.
- Presented a Technical paper entitled "Need of Intelligent Transportation System for Indian Cities. (IJPRET-14)" in International Conference held at I.B.S.S. College of Engineering, Amravati. (29 March 2014)
- Presented a Technical paper entitled "Economically Viable and Environment Friendly Road Construction. (IJPRET-13)" in Two Days International Conference held at I.B.S.S. College of Engineering, Amravati. (30 to 31 March 2013).

Trainings Completed [Academic Standards]

- Module 1 Orientation towards Technical Education and Curriculum Aspects [Ongoing]
- Module 2 Professional Ethics & Sustainability [Ongoing]
- Module 3 Communication Skills, Modes & Knowledge Dissemination [Ongoing]
- Module 4 Instructional Planning and Delivery [Ongoing]
- Module 5 Technology Enabled Learning & Life Long Self-Learning [Completed, Appeared for Exam]
- Module 6 Student Assessment and Evaluation [Ongoing]
- Module 7 Creative Problem Solving, Innovation and Meaningful R & D [Ongoing]
- Module 8 Institutional Management & Administrative Procedures [Completed, Appeared for Exam]

Trainings Completed [Industrial Standards]

- Pursuing Online course on "Introduction to GIS: Spatial data analysis with QGIS" (Udemy)
- Pursuing Online course on "GIS and ArcGIS Level 1: ArcMap, ArcCatlog, ArcGlobe, ArcScene" (Udemy)



- Pursuing Online course on “*Core spatial data analysis: Introductory GIS with R and QGIS*” (Udemy)
- Pursuing Online course on “*Understanding the theory and Practice GIS in QGIS*” (Udemy)
- Completed Online Course on “*Traffic Engineering Operations at Intersections*” (Udemy)
- Completed Online Training on “*Civil 3D Level 2/4*” (Udemy)
- Completed Online Course on “*IIT Pave and Design of Pavements*” (Udemy)
- Completed Online Course on “*Civil Works Specialization*” [32.5 Hours] (Udemy)
- Completed Online Course on “*Digital land surveying and mapping*” (NPTEL)

Research Skills:

- **Experimental hands on Surface Analysis:**

Surface Analysis toolbox handling by Bentley and ACAD for the geospatial analysis of Existing Earth's surface. Toolbox consist Catchment, Surface, Proofing, Parcels, Layouts, Patterns, Alignment [Surface, Subsurface] and Infrastructure Analysis with land optimization.

- **Data exploration:**

Data optimization for traffic calming operations, Digital geographical characteristics, Land surface elevation mapping characteristics, Travel and trip demand forecasting, 3D modeling analysis, pavement design, and construction-driven engineering for the future roads.

- **Other skills:**

Design 2D and 3D drainage design, Visualize information-rich model with mapping, Building horizontal and vertical alignments, Pavement and subgrade design, Road and junction design.

Attended Events:

- Attended One week FDP on “*Smart Cities: Opportunities and Challenges*” organized by National Institute of Technology, Patna. (10 to 14 September 2020)



- Participated in E-Talks on *“Multi Modal Integration for Metro”* by KDKCE, Nagpur in association with ICI, Nagpur Chapter. (8 June 2020)
- Attended the online Live Webinar on *“Environmental Engineering – Challenges and Opportunities in Post COVID- 19”* by St. Aloysius Institute of Technology (SAIT) Jabalpur. (5 June 2020)
- Attended one week FDP on *“LATEX”* by SVKM's IoT in association with Spoken Tutorial IIT Bombay. (1 to 7 June 2020)
- Participated the One-Week Online Faculty Development Program on *“Engineering Education & the Industry: A Post COVID-19 Perspective”* by RGIT, Mumbai. (1 to 5 June 2020)
- Participated in Live Sessions on *“Yoga For Holistic Health”* by VESIT, Mumbai. (1 to 2 June 2020)
- Participated in the Refresher webinar on the topic *“Challenges & Solutions before the Civil Engineers during Lockdown/ Corona Period & Thereafter”* by Department of Civil Engineering, PIEMR, and Indore. (1 June 2020)
- Attended International Webinar on *“Effect of Covid-19 on Sustainable Transportation Development”* by PIET, Jaipur. (26 May 2020)
- Attended Five days National Level Faculty Development Program on *“Artificial Intelligence”* by VVET's UCE, Palghar. (22 to 26 May 2020)
- Attended Five days Webinar Sessions on *“Formwork Design and Safety Aspects”* by College of Engineering Pune. (22 to 26 May 2020)
- Attended National Webinar on *“Seven Secrets of Memory: How to Use in Teaching”* by NMIMS Mumbai. (22 May 2020)
- Attended Nine days FDP on *“Advances in Civil and IOT”* by JNNIE, Tiruvallur. (20 May to 28 May 2020)



- Attended 12 Days Webinar Series FTP on *“Technical Talks by Industrial Experts on Road Infrastructures and Advances”* by CD Group of Institutions and PATH India Ltd. (18th to 29th May 2020)
- Attended *“Webinar Sessions on National Education Policy and Digitization of Education”* by RCPIT, Shirpur in association with TEQIP-III and DBATU, Lonere. (17 May 2020)
- Attended FDP on *“UG Project Management (A PBL Approach)”* by JSPM's RSCOE, Pune. (11 May 2020)
- Participated in *“NAAC Awareness Programme for Faculty”* by MMIT, Lohgaon, Pune (8 May to 14 May 2020)
- Participated in Two days *“2nd Self-Financed Online Workshop on IPR and Trademarks 2020”* by OU Indore. (7 May to 8 May 2020)
- Attended Five days event Mental Health awareness during COVID-19 on *“Maintaining Mental health during Turbulence”* by JD college of Engineering and Management, Nagpur in association with DBATU, Lonere. (06 to 10 May 2020)
- Attended Faculty Awareness Programme on *“Outcome Based Education (OBE) and NBA Accreditation”* by Sinhgad Institute of Technology and Science, Narhe, Pune. (5 May 2020)
- Attended One Month *“Online sessions on various themes of Innovation, Entrepreneurship, IPR & Startups”*, organized by MHRD's Innovation Cell, India. (28 April to 23 May 2020)
- Attended Five Days *“Online workshop on Universal Human Values on the theme Inculcating Universal Human Values in Technical Education”* by Induction Program Outreach Cell (IPC) of IIT Varanasi and All India Council for Technical Education, Delhi, (10-14 April 2020)
- Attended Three Days *“Online Teaching Learning workshop for the faculties”*, International Consultancy Specializing in Quality Assurance, Program Accreditation, & Student Success based in United Kingdom, QASPIR, UK, (1-3 April 2020)



- Participated in One day *"Life skills development workshops"* held by SVKM's NMIMS School of Commerce Dhule Campus, (11 Jan 2020)
- Attended One Day Workshop on *"Effective Research Paper Writing"* at SVKM's Institute of Technology, Dhule, (28 December 2019)
- Attended One Day Training session on *"Scilab"* at SVKM's Institute of Technology, Dhule in association with Spoken Tutorial IIT Bombay, (4 May 2019)
- Attended Two days Workshop on *"Moodle and Google data"* at SSBT COET, Jalgaon (2017)
- Organized One day National Level Technical Conference *"Milestone 2K17"* at SSBT's COET, Jalgaon (2017)
- Attended one day workshop on *"Advances in Surveying"* and Hands on Practice on Total Station (2015)
- Worked as a *"CAP Officer in Centralized Assessment Process"* held at SIEM, for Nashik Region (Nov- Dec 2015)
- Participated in 4 Days on *"Features of LATEX"* organized by SIEM, Nashik (2015)
- Attended One week STTP on *"Experimental Studies on Geotechnology and its Applications"* arranged by I.B.S.S. College of Engineering, Amravati (16 -20 June 2014)
- Participated in One Day Workshop on *"NPTEL Awareness Programme"* organized by K.D.K. College of Engineering, Nagpur (16 July 2013)
- Participated in One Day National Workshop on *"Water Management and River Linking Project in India"* Organized by Devagiri College of Engineering, Aurangabad. (22th March 2012)
- Participated in Two days National Conference on *"Green Engineering and Environmental Pollution"* Organized by J.N.E.C. Aurangabad. (10 -11 Feb 2012)
- Participated in One-Day National Workshop on *"Advanced Foundation Engineering AFE-2011"* Arranged by Maharashtra Institute of Technology, Aurangabad. (27 Aug 2011)
- Worked as a-



- Worked as an Presiding Officer for the Electoral Division Jalgaon (ZP Elections 2017)
- Worked as a CAP Officer at SF'S SIEM, Nashik (2016)
- Worked as an Event Coordinator for "FLASH HUNT" in DESIRE- 2016.
- Played a leading role in organizing International level Conference held at IBSS's College of Engg. Amravati. (2013)
- Played a key role in celebrating the college annual function (Razzmatazz 2012) during the academic year 2012.
- Played a key role in organizing National Level conference on Environment Engg. at Jawaharlal Nehru Engineering College, Aurangabad (2012)

Projects Guided:

- Analysis to build up Multimodal Transportation Network in between Jalgaon to Dhule City (2017)
- Smart Railway Station for Jalgaon City (2017)
- Roadside development for NH-6 through Jalgaon City (2017)
- Signal less Intersection for Ajanta Square (Jalgaon City) Appreciated by Hon'ble DC, Jalgaon City (2016)
- Low cost Bus Impede for BRTS (2015)
- Low cost Route Mapping alternatives measures for Nasik Pune Expressway (2015)

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