

Prof.(Dr.) Desai Dadaso Balku

Ph.D. , ME- Civil Engg.,

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Education Qualification :

| Degree | University/Board | Institution | Percentage |
|---------------|--------------------------------|----------------------------------------------|-------------------|
| Ph. D. Civil | Pacific University, Udaipur | Pacific University, Udaipur | Passed |
| M.E. Civil | Shivaji University | KBP College of Engg., Satara | 64.57 |
| B.E. Civil | Shivaji University | WCE , Sangli | 64.12 |
| HSC | Pune Board | B Z High School & Jr. College, Jaysingpur | 74.17 |
| SSC | Pune Board | Nandani High School Nandani | 82.71 |

Teaching Experience : 30 Years

| Post | Institution | Period | Years |
|---------------------|--------------------|--------------------------|--------------|
| Associate Professor | JJMCOE, Jaysingpur | 24.11.2009 to till date | 16 Yrs |
| Sr. Lecturer | JJMCOE, Jaysingpur | 10.09.2005 to 23.11.2009 | 04 Yrs |
| Lecturer | JJMCOE, Jaysingpur | 07.07.1995 to 09.09.2005 | 10 Yrs |
| Guest Lecturer | JJMP, Jaysingpur | 1.08.1996 to April 2000 | (04Yrs) |

Professional Experience : 01 Year

| Position | Organisation | Period | Years |
|-----------------|---------------------------------------|-----------------------|--------------|
| Site Supervisor | Pranavaditya Spinning Mills Ltd. Alte | 18.7.1994 to 2.6.1995 | 01 |

Administration Experience : 13 Years

| Post | Dept./Section | Period | Total Years |
|-------------------------|-------------------------|---------------------|-------------|
| Head of Dept. | Civil Engg. | 2009-2016 & 2017-18 | 08 |
| Dean | Faculty Development | 2016-2017 | 01 |
| PG coordinator | Construction Management | 2010 to till date | 15 |
| Dean | Research & Development | 2021 to till date | 04 |
| NAAC & AQAR coordinator | Central | 2022 to till date | 03 |

Academic activities

| Name of Activity | Number/ Period |
|----------------------------------------------------------------|----------------|
| National & International Journal paper Published | 101 Nos. |
| National & International Conference Attended / Paper Presented | 21 Nos. |
| Paper reviewed | 3 Nos. |
| STTP Organized | 01 Week |
| STTP Attended | 26 Weeks |
| Work Shops Organized | 05 Nos. |
| Work Shops Attended | 36 Nos. |

Utility & Design Patents – 15 Nos.

| Sr.No. | Title | Type | Status |
|--------|-------------------------------------------------------------------------------------------------------|---------|-----------------------------|
| 1 | Construction site inspecting robot | Design | Granted |
| 2 | Pothole repair estimation tool | Design | Granted |
| 3 | Leaf disease detection and pesticide spraying robot | Design | Granted |
| 4 | Rat catching device for car | Design | Granted |
| 5 | Assisting robot for COVID care | Design | Granted |
| 6 | Customer experience monitoring device | Design | Granted |
| 7 | Wave energy generating machine | Design | Granted |
| 8 | Automatic beam controlling head light | Design | Granted |
| 9 | Device to detect the power consumption | Design | Granted |
| 10 | Smart water leakage detection device | Design | Granted |
| 11 | Intelligent flood management device | Design | Granted |
| 12 | Integrated autonomous road cleaning and maintenance system with real-time hazard detection | Utility | Application Id 202421097472 |
| 13 | IoT enabled smart parking system for real-time management at event venues | Utility | Application Id 202421097473 |
| 14 | Smart foot-mounted assistive navigation device for enhancing mobility of visually impaired individual | Utility | Application Id 202421097475 |
| 15 | AI-Driven biometric and block chain integrated gate control system for blood bank security | Utility | Application Id 202421097483 |

Google Scholar citation & Index

| No. of citation | h - index | i -10 index |
|-----------------|-----------|-------------|
| 928 | 10 | 11 |

Major Achievements

| Particulars | Details | Period/Dates |
|---------------------------------------------------------|------------------------------|------------------------|
| BOS member | Shivaji University, Kolhapur | 2022 to 2027 |
| Member of Kolhapur Local Center IEI committee | IEI, Kolhapur Local Center | 2024 to 2027 |
| MPSC for Civil Engineering Examination Paper Setter | Government of Maharashtra | 5.8.2013 |
| MPSC for Civil Engineering Examination Paper assessment | Government of Maharashtra | 2010, 2011, 2012, 2014 |

Paper Reviewed

| Title of Paper | Details | Journal/Institute |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------|
| Common factors affecting the labour productivity in construction projects of Pakistan | International Conference on Built Environment & Engineering 2018 (IConBEE2018) | Malaysian Construction Research Journal |
| Zero waste management system : Case study of Kumbarakoppal , Mysore | 3 rd RIT Post Graduate conference (RIT PG Con-17) (Under TEQIP) | RIT , Sakharale |
| Risk identification & assessment for infrastructure projects | 3 rd RIT Post Graduate conference (RIT PG Con-17) (Under TEQIP) | RIT , Sakharale |

Number of PG Students Guided : 61 No.

Subjects Taught

Quantity Surveying & Valuation
Construction Practices
Construction Equipments

Environmental Engineering
Basic Civil Engineering
Construction Methods
Construction Techniques

Areas of Interest

Estimation & Valuation of Real Estate
Construction Equipments
Environmental Engineering

Roles & Responsibilities

| Worked as | Committee/Event |
|---------------------------|---------------------------------------------------------------------------------------------------------------------|
| Convener | INNOVATE 2K22 to INNOVATE 2K24 - A national level technical event for Diploma students |
| Head | Prize Distribution Ceremony of Annual Social Gathering "Mridagandh" |
| Central Coordinator | NAAC |
| Academic Auditor | Academic Auditor for dept of ETC |
| Member | PG admission committee |
| Member | Finance sub committee |
| Member | Core committee for college development |
| Head | Registration Committee in "Yuva Mahostav" |
| Head | Opening Ceremony of Kabaddi Tournament "Ranbhomi-2020" |
| Director, CAP | Shivaji University Central Assessment Process at JJMCOE May 2019 |
| Coordinator NBA | Institute level coordinator for NBA |
| Head | Building & maintenance committee |
| Chief Advisor | MODRA 2K18 A national level Model & DRAWing competition |
| Head , Scrutiny committee | Nomination for students council for cultural 2017-18 |
| Member | Internal Quality Assurance Cell (IQAC) |
| FC - Officer | Facility Centre for First Year Engg. 2017-18 |
| Member | Investigation Committee over an issue of complaints raised against faculty member |
| Head | Investigation committee for misplacing LCD Projector |
| Member | Verification of PBAS |
| Member | Core committee for construction work of Engg. colleg building at new site |
| Coordinator | Counseling Programme for professional education admission process By order of Director Technical Education, Mumbai. |
| Reporting Officer | Direct Second Year Admission |
| Head | Stage, pendal & Decoration committee, Annual Social Gathering 2016 |
| Advisory Committee Member | One week ISTE approved STTP on " Repair, retrofitting & strengthening of building" |
| Asst. ARC Officer | ARC for FE admission 2015-16 |

| | |
|---------------------------|-----------------------------------------------------------------------------------|
| Member | Investigation committee over an issue of complaints raised against faculty member |
| Head & Member | Committee for assessment of lectures & academic diaries for 2013-14 |
| Head , Scrutiny committee | Nomination for students council for NSS 2013-14 |
| Member | Paper coordination committee for ICETE-2013 |
| Head/coordinator | Memento & gift committee for ICETE-2013 |
| Member | Enquiry committee over an issue of complaints raised against faculty member |
| Convener | Ashwamedh 2 K 12 - A national level technical symposium |
| Head | Session management committee for ICETE-2010 |
| Member | Discipline committee for 2009-10 |
| Head | Dead stock verification committee of Mech. Engg. |
| Member | Paper scrutiny & session management committee in Ascent 2009 |
| Member | NSS Camp in 2008 at Nandani |
| Member | Purchase committee |
| In charge | Project Exhibition committee in MODRA 2 K 8 |
| Academic Coordinator | Civil Engg. from 2006-07 |
| Member | Sports Committee 2001-02 |
| Member | Refreshment Committee 2000-2001 |
| Member | Fun Fair Committee 2000-2001 |
| Member | Sports Committee 2000-2001 |

Membership of Professional Bodies

| Grade of Membership | Name of Professional Body |
|---------------------|-------------------------------------------------------------------|
| Chartered Engineer | The Institution of Engineers (India) |
| MIE | The Institution of Engineers (India) |
| Life Member | Indian Society for Rock Mechanics & Tunnelling Technology(ISRMTT) |
| MISTE | Indian Society for Technical Education(ISTE) |

Expert Lectures Delivered

| Topic | Venue | Details | Date |
|--------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------|
| Construction Management | YCP, Ichalkaranji | -- | 25.09.2024 |
| Traffic Engineering | YCP, Ichalkaranji | -- | 27.09.2023 |
| Research synopsis writing | JJMCOE, Jaysingpur | Organized by IT dept. | 13.09.2023 |
| Construction Equipments | YCP, Ichalkaranji | -- | 11.11.2022 |
| Site supervision | JJMCOE, Jaysingpur | Value Added Course | 27.05.2022 |
| Career Guidance sessions | At Gadhinglaj & Chandgad Taluka and at Jaysingpur and Sangli Region | Admission counseling career guidance lectures (@ yearly 2 to 22 lectures) | 2018 to 2024 |
| How to choose Project Topic | JJMCOE, Jaysingpur | Under R & D Cell | 29.10.2021 |

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|---------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------|--------------------|
| Resource Person for one day work shop on Teaching Pedagogy. Topic- Overall management of Lecture & Practicals | JJMCOE, Jaysingpur | | 03.03.2018 |
| Resource Person for One Day Work Shop on “Choice Based Credit System(CBCS)” | SGMCOE, Mahagaon | | 12.09.2018 |
| Judge for Prastuti (Paper/Project presentation) for ‘AAVAHAN 2K19’ A National Level Technical Symposium | JJMCOE, Jaysingpur | | 13.02.2019 |
| Academic Dishonesty- First step of corruption | JJMCOE, Jaysingpur | Quality Circle Lecture | 19.12.2017 |
| Construction Equipment | TKIET, Warananagar | ME Guest Lecture | 12.08.2017 |
| Building Estimation | The State Forestry Society, Kundal | Resource Person for Range Forest Officer Induction Training Programme | 1, 2 & 7 Dec. 2016 |
| Building Estimation | The State Forestry Society, Kundal | Resource Person for Range Forest Officer Induction Training Programme | 11 to 15 Nov. 2016 |
| Mock for Tech. & Lab Assistant | JJMCOE, Jaysingpur | One day w/s on “Roles & responsibilities of technical Assistants in contexts of NBA & NAAC” | 6 Feb. 2016 |
| Construction Management | SBGI, Miraj | One day work shop on “Construction Management” | 12 Sept. 2015 |
| Advance Construction Equipment | SBGI, Miraj | One day work shop | 11 Sept. 2015 |
| Teaching Pedagogy | JJMCOE, Jaysingpur | Expert lecture for Civil Engg. Dept. | 10 Sept. 2015 |
| Equipments involved in earth work | JJMCOE, Jaysingpur Second shift Diploma | Expert Lecture | 09 Sept. 2015 |
| How to do the continuous assessment | JJMCOE, Jaysingpur | Induction programme organized for Faculty members | 21 July 2015 |
| Quantity Surveying & valuation | Karmayogi Engineering College, Pandharpur. | Guest Lecture for BE Civil | 7 Aug. 2013 |
| Judge | JJMP, Jaysingpur | Judge for paper presentation competition | 25 July 2013 |

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|-------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------|---------------------|
| RMC & Prefab construction | SBGI, Miraj | Guest Lecture for BE Civil class | 12 March 2013 |
| RMC plant & Prefabricated construction | PVPIT, Budhgaon | Guest Lecture for BE Civil class | 28 Feb 2013 |
| Judge | JJMP, Jaysingpur | Judge for paper presentation competition | 01 Feb 2013 |
| Guidance for continuous assessment , course file preparation & maintaining academic diary | JJMCOE, Jaysingpur | Induction programme organized for Faculty member | 01 July 2011 |
| Judge | JJMCOE, Jaysingpur | A university level three days work shop on improving teaching pedagogy under lead college scheme | 16,17,18 Sept. 2010 |

Awards and Honors

| Award Name | Organization | Year |
|-----------------------------------------------------------------------------|-----------------------|------|
| Best Paper in Civil Engg. in ICETE 2013 held on 22 & 23 Feb. 2013 at JJMCOE | Dr.JJMCOE, Jaysingpur | 2013 |

PBAS Scores

| Academic Year | Category 1 & 2 | Category 3 | Total |
|---------------|----------------|------------|-------|
| 2012-13 | 145 | 165 | 310 |
| 2013-14 | 155 | 174 | 329 |
| 2014-15 | 165 | 205 | 370 |
| 2015-16 | 163 | 143 | 306 |
| 2016-17 | 155 | 86 | 241 |
| 2017-18 | 175 | 82 | 257 |
| 2018-19 | 180 | 90 | 270 |
| 2019-20 | 180 | 80 | 260 |
| 2020-21 | 160 | 80 | 240 |
| 2021-22 | 184 | 150 | 334 |
| 2022-23 | 195 | 150 | 345 |

Professional Activities

| Title | Institute/University/Organization | Dates |
|---------------------------------------------------------|--------------------------------------------------------------|-------------------------|
| Shivaji University Representative in Building Committee | Jaysingpur College Jaysingpur | March 2012 to till date |
| Shivaji University Representative in Building Committee | Dr.Ghali College , Gadhinglaj | 08.09.2014 to till date |
| Shivaji University Representative in Building Committee | Shri Vijaysinha Yadav Kala va Vidnyan Mahavidyalaya | 27.06.2014 to till date |
| Shivaji University Representative in Building Committee | M.H.Shinde College, Tisangi, Tal Gaganbavda, Dist.- Kolhapur | 17.08.2011 to till date |

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|---------------------------------------------------------------------------------|--------------------------------------|-------------------|
| Advisory Member for Civil Engg. Dept. | D.K.T.E. Society's YCP, Ichalkaranji | 2018 to till date |
| Subject Expert in Civil Engg. For conducting interviews of Assistant Professors | PVPIT, Budhgaon(Sangli) | 25.08.2021 |

Shivaji University Committee representations

| Name of Committee | Academic Year | Name of College/Dept. |
|-----------------------------------------------|----------------------|-------------------------------------------------------|
| LIC | 2024-25 | ADCET, Ashta |
| LIC | 2024-25 | WCE, Sangli |
| Staff Selection Committee, Shivaji University | 2023-24 | Dr.A.D.Shinde College of Engg., Bhadgaon, Gadhinglaj. |
| Subject Expert for walk in interview | 2022-23 | PVPIT , Budhgaon |
| LIC | 2022-23 | College of Architecture, Kolhapur |
| Subject Expert for walk in interview | 2021-22 | PVPIT , Budhgaon |
| LIC | 2020-21 | DYP, Salokhenagar, Kolhapur |
| LIC | 2013-14 | TKIET, Warananagar |
| LIC | 2013-14 | BVCE, Kolhapur |
| Scrutiny Committee for synopsis | 2014-15 | Shivaji University, Kolhapur |
| LIC | 2017-18 | TKIET, Warananagar |
| LIC | 2017-18 | DYP, Talsande |