

Curriculum Vitae

Name: Umesh Laxmikant Deshpande

Date of Birth: 21/06/1973

Mailing Address: At Choundeshwari Nagar, Post - Goware,
Tal. Karad, Dist. Satara, Maharashtra, India
Pin – 415105
Tel – (Home) 02164274210; Off – 02164272414 (Ext-255)
Mobile – +919422039569
Email- umeshdeshpande2000@gmail.com



1. Educational Qualification

Sr. No.	Course	Name of Board / Institute / University	Year Of Passing	Class/ Division
1	PhD	Shivaji University, Kolhapur	Submitted Thesis	-----
2	M.E. (Civil - CM)	Government College of Engineering, Karad	1999	Distinction
3	B.E. (Civil)	Karmveer Bhaurao College of Engineering, Satara	1996	1 st Class
4	H.S.C.	Pune divisional Board, Pune	1990	Distinction
5	S.S.C.	Pune divisional Board, Pune	1988	Distinction

Ph.D. – Registered under the Guidance of Dr. Pranesh B Murnal at Shivaji University, Kolhapur
Project Entitled as – “**Seismic capacity enhancement of existing gravity load designed Reinforced concrete buildings using Engineered Cementitious Composites in medium to high seismic regions.**”

Details of Employment

At present, working as Assistant Professor in Applied Mechanics Department, Government College of Engineering, Karad.

1. Industrial experience : 03 years 01 month 15days as on 31 – 01– 2019
2. Teaching Experience : 19 years 03 months 15 days as on 31 – 01– 2019
(Assistant Professor)

Total experience: 22 years as on 31 – 08– 2016

3. Publications

- **National Conferences Attended:- (Paper presented)**

1. National Conference on “Advances in Structural Engineering”, under TEQIP 2016 GCE Karad on 27th 28th Feb 2016.
2. Advances in civil & structural engineering, two days Conference, under TEQIP 2014 GCE Karad on 22 & 23rd Aug 2014.
3. An experimental study on FRP –Retrofitted compression members, Presented Paper, two days, Ahemadnagar on 28 & 29th Feb 2008.

➤ **List of Publications:**

• **International Journal**

Sr No	Authors	Year	Publications
1	U. L. Deshpande and Dr. P. B. Murnal	2016	“Ductile Concrete Using Engineered Cement Composites” International Journal of Engineering Research, ISSN: 2319-6890) (online), 2347-5013(print), Volume No.5 Issue: Special 2, pp: 504-50827-28 Feb. 2016.
2	Umesh L. Deshpande and Miss. Shital Pardeshi	March 2017	"Repair, Restoration And Strengthening of Building" International Journal of Innovations In Engineering Research and Technology [IJIERT] ISSN: 2394-3696 Volume 4, Issue 3, Mar.-2017.
3	Umesh L. Deshpande and Chaitanya Kuchekar	March 2017	"Visual Inspection of Concrete Bridge", International Journal of Innovations In Engineering Research and Technology Eva[IJIERT] ISSN: 2394-3696 Volume 4, Issue 3, Mar.-2017.
4	Umesh L. Deshpande and Omkar D. Gaikwad	April 2017	" Evaporation control using floating PV system and canal roof top solar system " International Research Journal of Engineering and Technology [IRJET] e-ISSN: 2395-0056 Volume 4, Issue 4, April 2017.
5	Umesh L. Deshpande and M.M.Kumthekar	July 2018	“Pre-engineered building-a new trend of Industrial building” International Journal of Advanced Research and Development, Vol3, Issue-8
6	Prof. U.L.Deshpande and Miss Asmita Mahajan	February 2019	“ Review on decision support models for solid waste management and CBA of SWM in rural India” International Journal of Technical Innovation in modern engineering and science e-ISSN:2455-2585, Volume-5, Issue-2, February-2019
7	Prof. U.L.Deshpande	February	“Structural audit of building by destructive and

	and Girish Patil	2019	non-destructive testing” International Journal of Technical Innovation in modern engineering and science-ISSN:2455-2585, Volume-5,Issue-2,February-2019
8	Prof. U.L.Deshpande and M.M.Kumthekar	April 2019	“Time analysis of pre engineered building with conventional steel building” Journal of Brazilian Society of Mechanical Sciences and Engineering, e-ISSN:2455-2585,Volume-4,Issue-6,June-2018.
9	Prof. U.L.Deshpande, M.M.Kumthekar, Prof.Dr.M.B.Kumthekar	April 2019	“Time analysis of pre engineered building with conventional steel building by using primavera P6” International journal of technical innovation in modern engineering and science, ISSN:2319-8351,Volume-8,Issue-4,April 2019
10	Prof. U.L.Deshpande and A.N.Chavan	February 2019	“Review on replacement of conventional steel plate needles by FRP needles in K.T.weirs” International journal of technical innovation in modern engineering and science, ISSN:2455-2585,Volume-5,Issue-2,February 2019
11	Akshata Barkade, Prof. U.L. Deshpande	Sep 2021	“Comparative Study and Behavior of Seismic Performance of Conventional Slab, Flat Slab and Grid Slab for Seismic Zone IV and V” International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 08 Issue: 09, Sep 2021.
12	Manisha Jadhav, Prof. U.L. Deshpande	Sep 2021	“Structural Action of Monolithic Shear Wall on Various Structural Members of Building in Zone IV and V” International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 08 Issue: 09, Sep 2021.
13	Omkar Patil, Prof. Umesh Deshpande	Oct 2020	“A Review On Advanced Applications of BIM in Construction Field” International Journal of Research in Engineering, Science and Management, Vol. 3 No. 10, 2020.

- **National Conference**

Sr No	Authors	Year	Publications
1	U. L. Deshpande, B.A.Konnur and Dr. P. B. Murnal	2006	“Earthquake disaster management for infrastructures in India”, Proc. National conference on role of civil engineers in disaster management and mitigation, BMS college of Engineering, Bangalore, Feb., 2006.
2	U. L. Deshpande	2008	“An Experimental Study On FRP-Retrofitted

	and Mukesh Virodkar		Compression Members”, National conference on Emerging Technologies in Civil Engineering, PVP College of Engineering, Ahmednagar, Feb., 2008.
3	U. L. Deshpande and Dr. P. B. Murnal	2016	“Ductile Concrete Using Engineered Cement Composites” National Conference on “Advances in Structural Engineering”, Govt College of Engineering, Karad.
4	Umesh L. Deshpande and Omkar D. Gaikwad	16 th and 17 th Feb 2017	“ Study on Canal Top Based Solar System ”, National conference on Recent Trends in Electrical Engineering, Government College of Engineering, Karad, International Journal of Computer Applications (0975 – 8887).
5	U.L.Deshpande	15 th and 16 th March 2019	“ Equity: Achievements and Challenges in India ” National conference organized by National Project Implementation Unit, MHRD in COEP Pune

- **International Conference**

Sr. No	Authors	Year	Details of Paper
1	Umesh L. Deshpande and Snehal R. Suryawanshi	17th & 18th March 2017	“ Review of Risk Management for Landslide Forecasting, Monitoring and Prediction using Wireless Sensors Network ”, 2017 International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS), Volume-III Pg.995 ISBN 978-1-5090-3293-8
2	Umesh L. Deshpande and Shubhada B. Yadav	16th & 17th March 2017	“ Seismic Analysis of Multilevel Soft Storey In RC Framed Structure ”, 3rd International Conference on Sustainable Energy and Built Environment, Pg. 109-118, ISBN: 978-81-923220-5-5, School of Civil and Chemical Engineering, VIT University, Vellore, Tamilnadu.
3	Umesh L. Deshpande and Shubhada B. Yadav	04 th & 05 th March 2017	“ Seismic Performance of RC Framed Structures with Multilevel Soft Storey ”, International Conference on Recent Advances in Civil and Environmental Engineering, (RACEE17), ISBN: 978-81-931546-4-9 (Print), Department of Civil Engineering,

			WCE, Sangli.
4	Umesh L. Deshpande and Miss. Shital Pardeshi	23rd-24th-25th March 2017	"Study of Repair of Existing Building Structure" , International Conference of Emerging Trends and Research in Engineering (ICETRE2017), Navsahyadri Group of Institutes Faculty of Engineering, Naigaon Pune, India.
5	Umesh L. Deshpande and Chaitanya Kuchekar	23rd-24th-25th March 2017	"Study of Cracks in the Concrete Bridges with their Repair Techniques" , International Conference of Emerging Trends and Research in Engineering (ICETRE2017), Navsahyadri Group of Institutes Faculty of Engineering, Naigaon Pune, India.
6	Umesh L. Deshpande and Miss. Shital Pardeshi	25th March 2017	"Recommendation For Systematic and Precise Framework For The Inspection of Existing Building" , International Conference on Innovations & Recent Trends in Engineering (ICIRTE)-2017, Arvind Gavli, college of Engineering, Satara.
7	Umesh L. Deshpande and Chaitanya Kuchekar	25th March 2017	"Recommendation of Framework For Periodical Inspection of Concrete Bridge" , International Conference on Innovations & Recent Trends in Engineering (ICIRTE)-2017, Arvind Gavli, college of Engineering, Satara.
8	U.L.Deshpande, M.M.Kumthekar and Prof.Dr.Madhav Kumthekar	19 th April 2019	"Time Analysis of Pre-engineered buildings with conventional steel building by using Primavera P6" 3 rd International conference on new horizons in science, engineering, management and humanities, IIMT College of Engineering Greater Noida
9	Prof. Umesh L. Deshpande, Shivraj Karape, Anand B. Tapase	July 2021	"Acceleration of Socio-economic Growth of Rural Parts - Nidhal, Khatav A Case Study" Civil Infrastructures Confronting Severe Weathers and Climate Changes Conference
10	Prof. Umesh L. Deshpande, Mohammad Iliyas B. Bagwan, Anand B. Tapase	July 2021	"Sustainable Planning for Provision of Basic Infrastructural Facilities in Rural Areas - Majgaon Village a Case Study" Civil Infrastructures Confronting Severe Weathers and Climate Changes Conference

Google Scholar Link:

4. Area of Specialization

- Structural Assessment of Civil Engineering structures.
- Testing of construction materials.
- Seismic Evaluation of existing buildings and its retrofitting Techniques.
- Innovative materials and its use in Civil Engineering.

5. Teaching Experience

Following subjects were taught during total services of 16 years:

a) Under-Graduation:

- Concrete Technology
- Design of Steel Structure
- Design of Concrete Structure – I
- Design of Concrete Structure – II
- Structural Design and Drawing – II
- Applied Mechanics
- Structural Mechanics- I

b) Post-Graduation:

- Advanced Design of Concrete Structure
- Elective I – Repairs and Rehabilitation of Structures
- Elective II – Design of R.C.C. Bridges

6. Membership of Professional Bodies

- Chartered Engineer and Chartered Valuator of Indian Institute of Valuers, India
- Life Member of Indian Society of Technical Education (ISTE) (LM 31216)
- Member and Chartered Engineer of Institute of Engineers, India (IE) (AM090309-7)
- Life Member of Karad Architects and Engineers Association, Karad

7. Development of Laboratories

- Material Testing Lab at Government College of Engineering, Karad
- Concrete Technology Lab at Government College of Engineering, Karad
- Strength of Material Lab at Government College of Engineering, Karad

8. Project Supervision

a) PG

SR. NO.	PROJECT TITLE	YEAR	SPONSERED BY
01	COMPARATIVE ANALYSIS OF RC STRUCTURE WITH DIFFERENT SHAPE CONFIGURATION	2016-17	-
02	STRUCTURAL ASSESSMET OF EXISTING ENGINEERED AND NON ENGINEERED BUILDING	2016-17	-
03	STRUCTURAL ASSESSMET OF BRIDGE WITH SPECIAL REFERENCE TO CONCRETE BRIDGE	2016-17	-
04	FEASIBILITY STUDY AND COST BENEFIT OF CANAL ROOF TOP SOLAR PROJECT	2016-17	-

b) UG

SR. NO.	PROJECT TITLE	YEAR	SPONSERED BY
01	FLY ASH MIX CONCRETE FOR ROAD CONSTRUCTION	2002-03	L & T CONSTRUCTION DIVISION, NH-4, PACKAGE 3 FROM UMBRAJ TO KASEGAON.
02	SLURRY IN-FLITRATED FIBRE REINFORCED CONCRTE	2003-04	TATA CONSULTANCY, MUMBAI.
03	EFFECT OF ALKALI RESISTANT GLASS FIBRE ON VARIOUS STRENGTH PARAMETERS OF CONCRETE	2004-05	SAINT GOBAIN VETROTEX INDIA LTD.
04	RETROFITTING OF RCC COLUMN BY GROUTING AND JACKETING	2005-06	a) ALTANA ELECTRICAL INSULATION b) KRISHNA CONCHEN PRODUCTS PVT. LTD. c) M/S. KUMARPAL PADMSI SALES CORPORATION
05	RETROFITTING OF FLEXURAL MEMBER BY GROUTING AND JACKETING	2006-07	a) ALTANA ELECTRICAL INSULATION b) KRISHNA CONCHEN PRODUCTS PVT. LTD. c) M/S. KUMARPAL PADMSI

			SALES CORPORATION
06	A PROGRAM FOR SEISMIC EVALUATION OF EXISTING BUILDING	2007-08	-
07	DAMAGE SURVEY WITH RETROFITTING AND REMEDIAL MEASURES FOR NON-ENGINEERED STRUCTURES WITH SPECIAL REFERENCE TO KOYANA EARTHQUAKE	2008-09	-
08	STRUCTURAL CONCRETE USING RECYCLED AGGREGATE	2009-10	-
09	BENDABLE CONCRETE	2010-11	-
10	SELF CURING AND ECO-FRIENDLY CONCRETE	2011-12	-
11	ROLE OF ENGINEERED CEMENTITIOUS COMPOSITIES TO ENHANCE SHEAR RESISTANCE CAPACITY OF CONCRETE	2013-2014	-

9. Continuing Education Programs

Worked as a resource Person

SR. NO.	NAME OF TOPIC	ORGANISED BY	DATE	REMARK
1.	NSS Camp-Usefulness of Technology for Society.	DR. Daulatrao Aher College Of Engg., Karad	21/01/2013	Resource Person
2.	Jalyukt Shivar Abhiyan- Low Cost construction of Bandhara.	Shivaji University, Kolhapur NSS & Centre of Swatchh-Swasth Bharat Organized Program Officers Skill Development workshop	06/11/2015	Resource Person
3.	One day workshop on- "Jalyuktshivar –An economical and Innovative Solution"	Mahila Mahavidyalay, Karad	09/01/2016	Chief Guest & Resource Person
4.	NSS Camp-"Jalyuktshivar –An economical and Innovative Solution"	Yashwantrao Chavan Mahavidyalay, Pachwad	19/01/2016	Resource Person

5.	Digital Literacy	Mahila Mahavidyalay, Karad	08/02/2016	Resource Person
6.	Working as consultant for third party technical evaluation/audit of various types of Concrete Bandharas for collectorate of Satara, Govt. Of Maharashtra	Govt. Of Maharashtra under “Jalayukta Shivar Abhiyan”	24 th Oct 2015 onwards-still checking of badharas going on	Chief consultant

Interaction with outside world:

Dissertation Phase II conduction

- Conducted Dissertation Phase II Vica-Voce of M.E. Structure II student from PVPIT Budhgaon on 29-11-2022.
- Conducted Dissertation Phase II Vica-Voce of M.E. Structure II student from Rajarambapu Institute of Technology on 10-10-2022.
- Conducted Dissertation Phase II Vica-Voce of M.E. Structure II student from Sanjay Ghodawat Group of Institutions on 15-10-2022.

Major consultancy assignment undertaken / completed

- Conducted a survey and submitted a Technical Report on “Damage Due to 17th Sep, 2008 Earthquake in Satara District and Remedial Measures” to district Collectorate, Satara.
- Provided consultancy for checking quality of construction as a Third party audit by Non-Destructive testing techniques of 510 schools constructed under “SARV SHIKSHA ABHIYAN” in Satara District for Zillha Parishad Satara.
- Working as Third party auditor for underground drainage scheme of Karad municipality having cost 56 crores.
- Structural assessment of more than 50 elevated service reservoirs.
- Design proof checking of civil engineering structures.
- Structural assessment of existing school building and its repair/retrofitting measures.
- Acting as Third Party Technical Auditor for 08 Municipality and 02 Corporations.

Visits to IITs/NITs and reputed Institutes/ Industries

- Visit to National level reputed institutes:
 - IIT Madras. Tamilnadu
 - IIT Mandi, Himachal Pradesh.
 - NIT Hamirpur, Himachal Pradesh.
- Cement factory at Ratnagiri.
- Structwel, Mumbai.

Workshops Organized

- Safe construction practices, Two days, training programme, Karad, UNDP India on 21st and 22nd March 2005.
- Training and Workshop on “Brick Manufacturing of 21st Century”, between 28/01/2004 to 30/01/2004 ,for brick manufacturers in Vicinity of karad, sponsored by AICTE and IIPc as Industry Institute Program.

Workshops attended

- NAAC, One day workshop at GCE Karad on 3rd September 2016.
- eFMR/PMSS, two day workshop at COE Pune on 13 & 14th June 2013.
- Protection of IPR & financial incentives, two days at Flag ship edumart, Pune on 11 & 12th April 2013.
- Revision of syllabus B.E. (Civil) engineering, one day, J.J.Magdum, Jaysingpur on 06th Feb 2010.
- IS 800-2007 Indian standard general construction –code of practice (3rd revision), two days INSDAG Kolkata, at Mumbai on 17th and 18th Nov 2008.
- Curriculum Development in civil Engineering, one day, RIT Sakharale on 4th Jan 2005.
- Drafting of revised syllabi at T.E. (Civil), one Day, PVPIT Budhgaon on 6th Sep 2003.
- Revision of syllabi of structural engineering subjects, one day, GCE Karad on 1st Feb 2003.

10. Short term courses attended

- Advanced technologies & practices in construction industries, one week under TEQIP in 2014, GCE Karad (10/02/2014 to 14/02/2014).
- Special course on Geoinformatics application in disaster management, one week, TEQIP 2013, IIRS, Dehradun (16/09/2013 to 21/09/2013).
- Geoinformatics application in disaster management, one week, GCE Karad (11/03/2013 to 15/03/2013).
- Optimization techniques & its application to Engineering, one week, GCE karad (17/12/2012 to 21/12/2012).
- NPCBEERM Sponsored on Earthquake risk Management, four weeks, IIT Madras (15/06/2009 to 09/07/2009).
- Mission 10X workshop, five days K.B.P.Satara (01/12/2008 to 05/12/2008).
- Base Isolation Techniques for earthquake resistant design (BITERD-2006), Two weeks, GCE Karad (29/11/2006 to 09/12/2006).
- Application of remote sensing in civil engineering with special reference to Deccan trap basalts, two weeks, GCE Karad (09/06/2003 to 21/06/2003).
- Practical applications of new construction techniques & machinery for construction projects, two weeks, GCE Karad (11/06/2001 to 22/06/2001).

- Computer fundamentals & applications, four weeks, G. P. Karad (19/01/1998 to 13/02/1998).

11. Academic and R&D Activities

- Worked as a Judge in the event Tech-Paper presentation, K.B.P.Satara on 7th March 2013.
- Worked as Judge for Concrete Showdown in Incarno , Govt. College of Engg. Karad on 23rd March 2013.
- Worked as Judge for Concretus in Aavishkar, Govt. College of Engg. Karad on 25 & 26th Feb 2015.
- Working as testing officer in structural mechanics, concrete technology lab and Non Destructive testing from last 12 years.
- Providing consultancy services in structural design and structural assessment of various civil engineering structures like water tanks, school building, bridges and sugar factories etc. Also working as a Third Party Audit consultant to various Government and private agencies like Karad Municipality for various projects costing 60 crore.
- Registered for PhD in the Shivaji University, Kolhapur under Dr. Pranesh Murnal.
- Completed 4 Industry sponsored projects of UG final year students.
- In process to apply for patent in ‘Bendable Concrete – Using Engineered cementitious Composites’.

12. Co-curricular and extracurricular Activities

- Working as NSS co-coordinator and active participation in extracurricular activities like Annual function day, paper presentation event etc.
- Designed and supervised 400 sq. ft earthquake resistant load bearing Talathi Karyalay constructed by students at Nandlapur within 10 days NSS camp.
- Designed and supervised “TYRE TYPE BANDHARA” from waste material, at Gharewadi, Tal- Karad within 07 days NSS camp.
- Organizing study tours every year, blood donation camps twice a year from last 10 years and other social activities like teaching to poor school students, cleaning of areas, Shramdan, etc.
- Worked as a Zonal Officer in election process.
- Worked as a Gardening In-charge of campus.

13. Departmental/Institution Administration work

- Working as a Dean, Research Mobilization in the Autonomous mode of Institute.
- Working as a Member Secretary for Building Works Committee.

- Working as a Chief Coordinator for Unnat Bharat Abhiyan, unit of GCE, Karad.
- Working as a Chief Coordinator audit course for UG student. In this NSS/NCC/CSP courses are conducted for whole institute.
- Active participation in accreditation and Autonomy related work of the institute
- Procurement of equipment/machinery.
- Worked as a departmental Time Table in-charge.
- Working as subject board coordinator of department and also class coordinator.
- Worked as member in different committees such as first year, direct second year,
- MBA, MCA admission committee, library committee, DSR verification etc.
- Worked as Senior Supervisor (Controller of examination) for university examination in Nov/Dec 2009.
- Assisting PG coordinator and AICTE compliance report preparation of the institute.
- Working as a Refurbishment and Furniture Nodal Officer of institute for TEQIP-II, in which civil refurbishment works amounting 50 lacks was completed at the institute level like auditorium in SIPOREX and furniture purchased of about 32 lacks to improve academic ambiance of institute.
- Working as civil works committee member, active participation in Building Works Committee and major contribution for doing empanelment of civil contractor and empanelment of Architects.
- PWD Coordinator of the institute and designed and executed potable and non potable water supply network for campus of 49.7 Acres as a water supply in charge, looking after day to day maintenance repairing and renovation of all buildings and campus as a whole.
- To maintain hygiene in the institute installed 3 RO-UV plants (centralized water purifiers) and 17 coolers in academic, residential and hostel building along with pipe and drainage network.
- Also for the proposed new Library building and EnTC building, major civil maintenance works and Electrical maintenance works of the campus, working right from preparing plan and estimate, taking approvals of various PWD authorities and Director office and obtaining Administrative Approval from Government along with taking efforts for getting funds from Government Budget.
- Also completed 38 small to moderate civil refurbishment and renovation works of various departments in the institute, amounting approximately 60 lacks at the institute level.
- Prepared 3-D with scale model of campus having 49.7 Acre area by doing survey with Total Station and Mobile mapper along with preparation of working drawings of all academic, hostels and residential buildings by taking actual measurements from final year project batch.

Date:

Signature