

## CURRICULUM VITAE

### ***Dr. Shubha Khatri***

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Andar Kila, Vidisha (M.P.) PIN-464001  
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### **Carrier Objective**

To seek challenging career in an institution where i can utilize my efficiency which i have acquired through my knowledge & experience.

### **Personal Profile :**

**Name of Department** : Department of Civil Engineering  
**Name of Faculty** : Dr. Shubha Khatri  
**Father's Name** : Mr. Satish Khatri, Advocate  
**D.O.B.** : 10.11.1984  
**Sex** : Female  
**Category** : General  
**Marital Status** : Married  
**Nationality** : Indian  
**Language Known** : Hindi, English, Punjabi

### **Details of Qualification**

<b>Degree/Std.</b>	<b>Branch/ Specialization/ Subjects</b>	<b>%age</b>	<b>Year of Passing</b>	<b>Institution Studied</b>	<b>University/ Board</b>	<b>Proof furnished (Encl.No.)</b>
Ph.D	Civil Engg. (Geotechnical)	Thesis Awarded Nov 2011	12 <sup>th</sup> NOV2011	IIT Roorkee	IIT Roorkee	Encl. 1
M.E.	Civil Engg. (Structural)	78.36%	2008	S.G.S.I.T.S. Indore (M.P.)	R.G.P.V. Bhopal	Encl. 2
B.E.	Civil Engg.	78.34%	2006	S.A.T.I. Vidisha	R.G.P.V. Bhopal	Encl. 3
H.S.S.C.	Maths-Sci.	72.22%	2002	Saraswati Shishu Mandir Vidisha	M.P. Board Bhopal	Encl. 4
H.S.C.	All Sub.	81.2%	2000	Saraswati Shishu Mandir Vidisha	M.P. Board Bhopal	Encl. 5

## **Work Experience**

1. Assistant Professor & Head of Department in BMCT College, Bhopal from 21<sup>st</sup> September 2011 to 19<sup>th</sup> May 2012.
2. Assistant Professor in Radharaman Engineering College, Bhopal from 28<sup>th</sup> May 2012 to 10<sup>th</sup> April 2013.
3. Assistant Professor (Sr. Grade) in O.P. JINDAL College, RAIGARH from 1<sup>ST</sup> August to 3<sup>rd</sup> December 2015.
4. Assistant Professor in Radharaman Engineering College, Bhopal from 1<sup>st</sup> June 2017 to 19<sup>th</sup> January 2019.
5. Assistant Professor in Samrat Ashok Technological Institute, Vidisha from 3<sup>rd</sup> July 2019 to be **continued.....**

## **Fellowship**

MHRD Research Scholar in Civil Engineering Department, Specialization in Geotechnical Engineering from Aug. 2008 to Sept. 2011 at IIT ROORKEE. Grant No. MHR 02-23-200-429

(As per 7<sup>th</sup> pay commission 20,000/month with 10000 contingency per year for stationary)

## **Thesis Detail:**

Title of Thesis at Doctorate : Behaviour of Foundation on Improved Ground under  
Level Including Date of Static and Moving Loads  
Registration and Date of 20 Aug. 2008  
Completion 24 Aug. 2011

Title of Thesis at Master's : Experimental Study on Angle shaped Rectangular  
Degree Level including Footings Subjected to eccentric inclined Loading  
Date of Registration and along the shorter Direction  
Date of Completion 1 Aug. 2006  
11 Aug. 2008

## **Publications:**

No. of Publications in : National  International   
National International  
Journals.

No. of Publications : National  International   
in Conference.

## **Furnish Details of Conference Attended & Presented Paper**

- 1) Khatri Shubha (2021), “Improvement Of Index & Engineering Properties Of Black Cotton Soil by Using RHA & WHA including Lime”, 44<sup>th</sup> **Indian Social Science Congress (ISSC) in Collaboration with SATI Vidisha, 15-19 March 2021. (Paper Accepted)**

- 2) Khatri Shubha (2020), “Differential equation utilization for flexural behavior of beams resting on Geosynthetic –Reinforced Stone Columns”, **ICIIE 2020: A Virtual International Conference, Punjab, Chandigarh, 28-30 August 2020.**
- 3) Khatri Shubha (2019), “An Experimental Analysis on Expansive Soils Using Silica Fumes Including Burnt Brick Dust & Lime”, 2019, National Conference on Recent Advances in Science, Engineering and Technology (under TEQIP-III) on **8<sup>th</sup> November 2019** in SATI Vidisha.
- 4) Khatri Shubha (2019), “Enhancement of Index Properties of Black Cotton Soil using RHA & WHA including Lime”, International Conference on Mechanical, Manufacturing, Industrial and Civil Engineering, **ISETE, ICMVICE-BHOPAL, 13<sup>th</sup> November 2019.**
- 5) Khatri Shubha (2019), “An Experimental Analysis on Mechanical Properties of Concrete with Polypropylene Woven Fibre including Admixture with Fly Ash as a partial replacement of cement”, **International Conference On Engineering And Technology (ICET-2019), ARDA Conference, 26<sup>th</sup> December 2019 at Bali, Indonesia.**
- 6) Khatri Shubha (2011), "Modeling and analysis for footings on granular bed-stone column-improved soft soil" 2011, National Conference on Recent Advances in Ground Improvement Techniques, Indian Geotechnical society, ROORKEE CHAPTER, **Feb. 24<sup>th</sup>-25<sup>th</sup>, Central Building Research Institute (CBRI), Roorkee.**

## **Furnish Details of International Journal Publications**

### **(A) PhD THESIS RESEARCH PAPERS**

1. Maheshwari Priti and Khatri Shubha (2010), “Non-linear Response of footings on Granular bed Stone Columns Reinforced Poor Soil”, **International Journal of Geotechnical Engineering, J. Ross Publishing, Inc, U.S.A, Vol. 4, Issue 4. Pp. 435-443, DOI 10.3328/ijge.2010.04.435-443.**
2. Maheshwari Priti and Khatri Shubha (2011), “Non-linear Analysis of footings on Granular bed Stone Columns Improved Soft Soil”, Geomechanics and Geoengineering: **An International Journal of Geotechnical Engineering, Vol. 6, Issue 3, pp. 185-194.**
3. Maheshwari Priti and Khatri Shubha (2011), “A Non-linear Model for Footings on Granular bed Stone Columns Reinforced Earth beds”, **International Journal of Applied Mathematical Modeling, Vol. 35, Issue 6, pp. 2790-2804.**
4. Maheshwari Priti and Khatri Shubha (2012), “Influence of Inclusion of Geosynthetic Layer on Response of Combined Footings on Stone Column Reinforced Earth beds”, **International Journal of Geosynthetics and Engineering, Vol. 4, Issue 4, pp. 263-279.**

5. Maheshwari Priti and Khatri Shubha (2012), “Generalized Model for footings on Geosynthetic-Reinforced Granular fill- Stone Column Improved Soft Soil System”, **International Journal of Geotechnical Engineering**, Vol. 6, Issue 4, pp. 403-414.
6. Maheshwari Priti and Khatri Shubha (2012), “Non-linear Analysis of Infinite Beams on Granular bed Stone Columns Reinforced earth beds under Moving Loads”, **International Journal of Soils & Foundation**”, Vol. 52, Issue 1, pp. 114-125.
7. Maheshwari Priti and Khatri Shubha (2013), “Response of Infinite Beams on Geosynthetic Reinforced Granular Bed over Soft Soil with Stone Columns under Moving Loads”, **International Journal of Geosynthetics**, Vol. 13, Issue 6, pp. 713-728.

**(B)AFTER PHD RESEARCH PAPERS**

8. Vaishali Sen, Dr. S.S.Goliya and Dr. Shubha Khatri (2019), “*Design of Two-Wheeler Shed Parking for Nagar Palika Vidisha: A Case Study*”, **An International Journal of Emerging Technologies and Innovative Research**, an UGC approved Journal, Vol. 6, Issue 6, June 2019.
9. Yogyata Namdev, Dr. S.S.Goliya and Dr. Shubha Khatri (2019), “*Experimental study on partial replacement of fine aggregate with saw dust for M-30 grade concrete*”, **An International Journal of Emerging Technologies and Innovative Research**, an UGC approved Journal, Vol. 6, Issue 6, June 2019.
10. Sonali Rai and Dr. Shubha Khatri (2018), “*An Experimental Analysis on Expansive Soils Using Silica Fumes Including Burnt Brick Dust & Lime*”, **International Journal for Research in Applied Science & Technology (IJRASET)**, An UGC Approved Journal online. Volume 6 Issue V (May 2018).
11. Maneesh sahuo and Dr. Shubha Khatri (2018), “*An Experimental Analysis on Expansive Soils using PPWF & Coconut Fibres including SCBA and Lime*”, **International Journal for Research in Applied Science & Technology (IJRASET)**, An UGC Approved Journal online. Paper ID: IJRASET17774. Volume 6 Issue VI (JUNE 2018).
12. Santosh Prajapati and Dr. Shubha Khatri (2018), “*Enhancement of Index & Engineering Properties of Black Cotton Soil Using Rice Husk Ash & Wheat Husk Ash Including Lime*” **International Journal for Research in Applied Science & Technology (IJRASET)**, An UGC Approved Journal online, paper ID : IJRASET13757. ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887, Volume 6 Issue II, February 2018- Available at [www.ijraset.com](http://www.ijraset.com), P.No. 1448-1455.
13. Arzoo Rangare and Dr. Shubha Khatri (2018), “*An Experimental Analysis on Flexural Strength of Concrete Beams using Silica Fumes & Fly ash including Coir Fiber with Admixture*”, **International Journal for Research in Applied Science & Technology (IJRASET)**, An UGC Approved Journal online, paper ID : IJRASET13124. ISSN: 2321-9653; IC Value:

- 45.98; SJ Impact Factor: 6.887, Volume 6 Issue I, January 2018- Available at [www.ijraset.com](http://www.ijraset.com), P.No. 2689-2696.
14. Arzoo Rangare and Dr. Shubha Khatri (2017), "*Impact of Silica Fumes & Fly ash including Coir Fibre with Admixture on Compressive Strength of Grade M-30 Concrete Mix*", **International Journal for Research in Applied Science & Technology (IJRASET)**, An UGC Approved Journal online, paper ID: IJRASET12630. ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887, Volume 5 Issue XII December 2017- Available at [www.ijraset.com](http://www.ijraset.com), p. no.2745-2752.
  15. Anshul Jain and Dr. Shubha Khatri (2017), "*Impact of Polypropylene Woven Fibre including Admixture with Fly Ash on Compressive Strength of Grade M-30 Mix*", **International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)**, Volume 3 | Issue 8 | Print ISSN: 2395-1990 | Online ISSN : 2394-4099 Themed Section : Engineering and Technology, P.NO. 598-602
  16. Anshul Jain and Dr. Shubha Khatri (2017), "*An Experimental Analysis on Mechanical Properties of Concrete with Polypropylene Woven Fibre Including Admixture with Fly Ash as a Partial Replacement of Cement*", **International Journal of Scientific Research in Science, Engineering and Technology (IJSRSET)**, Volume 3 | Issue 8 | Print ISSN: 2395-1990 | Online ISSN: 2394-4099 Themed Section: Engineering and Technology, P.NO. 705-710.
  17. Dr. Shubha Khatri and Priyanka Kumari (2017), "*An Experimental Study on Compressive Strength of Reinforced Concrete Cubes using Wheat Husk Ash & Rice Husk Ash as a Partial Replacement of Cement*", **International Journal of Science and Research**, paper ID: ART20177697. Volume 6 Issue 10.
  18. Akash Dixit and Dr. Shubha Khatri (2017), "*A Review: A Laboratory Assessment of Concrete by Partial Replacement of Cement by Silica Fume and with Steel Fibers*", **IJSRD - International Journal for Scientific Research & Development**| Vol. 5, Issue 07, 2017 | ISSN (online): 2321-0613. P. No. 665-666.
  19. Dr. Shubha Khatri (Feb-March: 2014), "Impact of Admixture and Rice Husk Ash in Concrete Mix Design", **IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)** e-ISSN: 2278-1684, p-ISSN: 2320-334, Volume 11, Issue 1.
  20. Dr. Shubha Khatri (May-June: 2014), "Impact of Coconut Fiber and Polypropylene Woven Fiber including Admixture on Concrete Mix", **International Journal of Scientific & Engineering Research (IJSER)**, Vol. 5, Issue 6.
  21. Dr. Shubha Khatri (Jul-Aug: 2014), "Linear and Non-linear Analysis of Beams on Elastic Foundation with and without Stone Columns by parameterized Algorithm", **IOSR Journal of**
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- Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334, Volume 1, Special Issue 1, pp. 43-51.**
22. Dr. Shubha Khatri (Jul-Aug: 2014), “Linear and Non-linear Analysis of Beams on Elastic Foundation with and without Stone Columns by parameterized Algorithm”, **IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, p-ISSN: 2320-334, Volume 1, Special Issue 1, pp. 43-51.**
23. Khatri, Shubha and Mahiyar, H.K. (2010), “An Experimental Study on the Behavior of Angle Shaped Rectangular Shallow Footing Subjected to Eccentric Inclined Loading”, International Journal of Earth Science & Engineering, SCIIImago Journal & Country Rank Publishing, Vol. 3, Special Issue 3, pp. 403-414, ISSN: 0974-5904.

### **M. Tech. Thesis Guided**

1. Shashichandra Tiwari, “An Experimental analysis on Design of M-30 grade concrete by using M-SAND”, 2019-21. (on going)
2. Prabhat Tiwari, “An Experimental analysis on Behavior of Black Cotton Soil by using WHA & RHA including Lime”, 2019-21. (on going)
3. Yogyta Namdev, “*Experimental study on partial replacement of fine aggregate with saw dust for M-30 grade concrete*”, 2017-19
4. Vaishali Sen, “*Design of Two-Wheeler Shed Parking for Nagar Palika Vidisha: A Case Study*”, 2017-19
5. Sonali Rai, “**Behavior of black cotton soil by soil stabiliozation using silica fumes including burnt brick powder and lime as an admixture**”, 2016-18.
6. Maneesh Sahoo, “**An Experimental analysis on expansive soils index and engineering properties using PPWF and coconut fibers including sugar cane bagasse ash**”, 2016-18.
7. Santosh Kumar Prajapati, “**Improvement of Index and Engineering Properties of Black cotton soils by Soil Stabilization using RHA, WHA and Lime**”, 2015-17.
8. Priyanka Kumari, “**Strength performance of wheat husk ash & rice husk ash as a partial replacement of cement with & without reinforcement**”, 2015-17.
9. Anshul Jain, “**Enhancement the mechanical properties of concrete using polypropylene woven fibers including admixture with fly ash as a partial replacement of cement**”, 2015-17.
10. Arzoo Rangare, “**Behavior of mechanical properties on improved concrete using silica fumes and fly ash as a partial replacement of cement including coir fibers and admixtures**”, 2015-17.

11. Akash Dixit, “A Laboratory Assessment of Concrete by Partial Replacement of Cement by Silica Fume and With Steel Fibers”, 2015-17.
12. Maneesh Kumar, “A laboratory investigation on concrete mix design (M-30 and M-35) by using fly ash as bonding agent”, 2015-17.
13. Yogesh Bansal, “Effect of partial replacement of sand by glass and steel powder over the properties of concrete”. 2013-17.

### **Furnish Details of Project Undertaken**

1. **B.Tech. Final Year Major Project on “Liquefaction of Soil”, 2019-20.**
2. **B.Tech. Final Year Major Project on “Ground Improvement Techniques”, 2020-21. (on going)**
3. **Analysis & Design of Multistory Building", as a Minor Project in B.E. Civil Engineering at Samrat Ashok Technological Institute, VIDISHA (M.P.), 2004-05.**
4. "Analysis of Multistoried frames by Direct Stiffness Method using STADD. Pro", as a Minor Project in B.E. Civil Engineering at Samrat Ashok Technological Institute, VIDISHA (M.P.), 2005-06.
5. "Computer Aided Analysis of Bridge Deck using STADD. Pro", as a Major Project in B.E. Civil Engineering at Samrat Ashok Technological Institute, VIDISHA, 2005-06.

### **Furnish Details of Workshop/Training Programs Attended**

1. Construction Project of "Indian Space Research Organization" from 15<sup>th</sup> June 2004 to 30<sup>th</sup> June 2004 at M.P. Housing Board, BHOPAL (M.P.).
2. "800 M.W. Kol Dam Hydro Power Project" from 27<sup>th</sup> June 2005 to 17<sup>th</sup> July 2005 in Bilashpur District of Himachal Pradesh.
3. ISTE short-term training programmed on "Earthquake Resistant Design of Buildings & Structures" Organized by Civil Engineering and Applied Mechanics Department from 20<sup>th</sup> Nov. 2006 to 1<sup>st</sup> Dec. 2006 at Shri G.S. Institute of Technology and Science (An Autonomous Institution), INDORE (M.P.)
4. Short-term training on "Technical Paper Writing" Organized by the Centre of Excellence in Disaster Mitigation and Management from 14<sup>th</sup> May 2010 to 15<sup>th</sup> May 2010 at The Institution of Engineers, Indian Institute of Technology, ROORKEE.
5. STTP on “MIDAS Engineering Software Structural Design & Analysis Solution”, during 15-19 July 2019, at SATI Vidisha (M.P.) under TEQIP III.

6. STTP on “**BENTLEY Software’s for Civil Engineering**”, during 20<sup>th</sup> -24<sup>th</sup> August 2019, at SATI Vidisha (M.P.) under TEQIP-III.
7. Workshop on “**Equity at Work Place**” on 23.11.2019 at Bhopal, organized by SPIU (M.P.) under TEQIP-III.
8. FDP on “**Personal Effectiveness**” on 15-16 November 2019, presented by TITEN LEARNING, Organized by SATI Vidisha under TEQIP-III.
9. Five days hands on workshop on “**Patent searching, drafting and filling**” (online mode) from 29.05.2020 to 2.06.2020 in association with TURNIP INNOVATIONS & EXILYZE INTELLECTUAL SERVICES, IEEE COMPUTER SOCIETY. (During COVID-19)
10. Two week STTP on “**Green Energy Technologies for sustainable development**” jointly organized by NIT Kurushetra and GEC Bikaner from 11-20 June 2020 under TEQIP-III. (During COVID 19).
11. One week online STTP on “**Environmental crisis and sustainable development**”, jointly organized by NIT Kurukshetra and GEC Bikaner from 1-5 July 2020 under TEQIP-III. (During COVID-19)

### **Workshop/Webinar/Seminar/Conference Conducted**

1. **Convener of 43<sup>rd</sup> ISSC Bangalore in collaboration with S.A.T.I. Vidisha** under Interdisciplinary Thematic Panels “**Unity of Science (science of Nature-Human-Society)**”during 15-19 March 2021
2. **Co-coordinator** of online Twinning Activity on topic “**Recycled Aggregates Concrete & it’s Overview**” under TEQIP-III organized by Department of Civil Engineering, S.A.T.I. Vidisha with VNIT Nagpur, 28<sup>th</sup> November 2020.
3. **Co-coordinator** of online webinar under Academic Activity under TEQIP-III with VNIT Nagpur on topic “**Need for Field Aspects of Civil Engineering-Technology Transfer from Lab to Field**”, under TEQIP-III organized by Department of Civil Engineering, S.A.T.I. Vidisha with VNIT Nagpur, on 28<sup>th</sup> November 2020.
4. **Co-coordinator** of 2 days workshop on “**Ground Improvement Techniques**”, organized by Department of Civil Engineering at S.A.T.I. Vidisha (M.P.) under TEQIP-III, 7-8 January 2020.

### **Membership in Professional Society**

- Indian Geotechnical Society, LM-2850
- Indian Society of Technical Education, LM-94203



## **Awards**

- **V.V.NATU SMRITI AWARD** for Highest Marks in Environmental Engineering Subject in B.E. Civil Exam at Samrat Ashok Technological Institute, VIDISHA, 2005-06.
- **Certificate of Merit for 2<sup>nd</sup> position in B.E. Exam R.G.P.V. 2006** in SATI VIDISHA.
- **Certificate of participation in “GLOBAL HOLCIM AWARD FOR SUATAINABLE CONSTRUCTION 2014”**, in next generation category, RAIGARH.

## **Administrative Activities**

Associated with TEQIP-III Office Work i.e., IOC component work, email responding and data collection, make PPT for meetings like meeting with SPIU, NPIU, PS Sir, Twinning activity, Academic activity etc.

## **Co-Curricular Activities**

1. **"Member of Green Vision (Nature Club)"** at Samrat Ashok Technological Institute, VIDISHA, 2004.
2. **"3<sup>rd</sup> Position in Solo Dance Competition"** at Sarojini Bhawan, Indian Institute of Technology, ROORKEE, 2009.
3. **"Winner in the Spontaneous Dance"** at Sarojini Bhawan, Indian Institute of Technology, ROORKEE, 2011.
4. **"2<sup>nd</sup> Position in Solo Dance Competition"** at Sarojini Bhawan, Indian Institute of Technology, ROORKEE, 2011.
5. **"3<sup>rd</sup> Position in Brick Race Competition"** at Sarojini Bhawan, Indian Institute of Technology, ROORKEE, 2011.

## **Declaration**

I hereby, declare that all the information given above, are true to the best of my knowledge and belief and in case it is proved otherwise, I shall be liable for dismissal.

Date:

Place: VIDISHA (M.P.)

**(Dr. Shubha Khatri)**