



**1. GENERAL INFORMATION:**

|                                           |                                                                                                                      |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>Name<br/>(In Capital Letters)</b>      | <b>Prof. (Dr.) JITENDRA KUMAR SHARMA</b>                                                                             |
| <b>Date of Birth<br/>(Day/Month/Year)</b> | <b>Tuesday, 06/06/1967</b>                                                                                           |
| <b>Correspondence<br/>Address</b>         | <b>67E, Sreenathpuram, Kota – 324010, RAJASTHAN</b>                                                                  |
| <b>Phone No.</b>                          | <b>Mobile No.: +91-9414404083</b><br><b>Landline No. : +91-7442470470</b>                                            |
| <b>Email</b>                              | <a href="mailto:jksharma@rtu.ac.in">jksharma@rtu.ac.in</a><br><a href="mailto:jksrtu@gmail.com">jksrtu@gmail.com</a> |

**2. PRESENT POSITION:**

|           |                                                        |                                                                   |
|-----------|--------------------------------------------------------|-------------------------------------------------------------------|
| <b>a.</b> | <b>Designation</b>                                     | <b>Professor (Civil Engineering Dept.)</b>                        |
| <b>b.</b> | <b>Organization</b>                                    | <b>RAJASTHAN TECHNICAL UNIVERSITY, KOTA</b>                       |
| <b>c.</b> | <b>Pay Scale</b>                                       | <b>37400-67000, AGP-10000 (Sixth Pay), Present Basic 71,440/-</b> |
| <b>d.</b> | <b>Date of<br/>appointment to<br/>the present post</b> | <b>18/08/2009</b>                                                 |
| <b>e.</b> | <b>Total Experience<br/>(In Years and<br/>Months)</b>  | <b>30 Years and 04 Months</b>                                     |

**3. DETAILS OF EXPERINCED POSSESSED:**

| <b>S. No.</b> | <b>Post Held</b>           | <b>Pay Scale</b>                                                                    | <b>Organization</b>                                                                                                                       | <b>Nature of duties</b>                                                   | <b>Experience (In Years and Months)</b> |
|---------------|----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------|
| <b>1</b>      | <b>Professor</b>           | <b>37400-67000<br/>Agp. 10,000/-<br/>(Sixth Pay)<br/>Present Basic<br/>71,440/-</b> | <b>Rajasthan<br/>Technical<br/>University,<br/>Kota-324010</b>                                                                            | <b>Teaching,<br/>Research,<br/>Consultancy<br/>and<br/>Administration</b> | <b>10 Y 10 M</b>                        |
| <b>2</b>      | <b>Associate Professor</b> | <b>37400-67000<br/>AGP 9,000/-</b>                                                  | <b>Government<br/>Engineering<br/>College, Kota up<br/>to 2006 &amp; then<br/>Rajasthan<br/>Technical<br/>University,<br/>Kota-324010</b> | <b>Teaching,<br/>Research,<br/>Consultancy<br/>and<br/>Administration</b> | <b>08 Y 0 M</b>                         |
| <b>3</b>      | <b>Senior Lecturer</b>     | <b>3000-5000<br/>Basic</b>                                                          | <b>Government<br/>Engineering<br/>College, Kota</b>                                                                                       | <b>Teaching,<br/>Research,<br/>Consultancy<br/>and<br/>Administration</b> | <b>05 Y 0 M</b>                         |
| <b>4</b>      | <b>Lecturer</b>            | <b>2200-4000<br/>Initial<br/>Basic 2350/-</b>                                       | <b>Government<br/>Engineering<br/>College, Kota</b>                                                                                       | <b>Teaching,<br/>Research,<br/>Consultancy<br/>and<br/>Administration</b> | <b>06 Y 0 M</b>                         |
| <b>5</b>      | <b>Lecturer (adhoc)</b>    | <b>2200-4000<br/>Initial<br/>Basic 2350/-</b>                                       | <b>Government<br/>Engineering<br/>College, Kota</b>                                                                                       | <b>Teaching,<br/>Research,<br/>Consultancy<br/>and<br/>Administration</b> | <b>06 M</b>                             |

**4. EDUCATIONAL QUALIFICATION (In chronological order from latest to Graduation level)**

| <b>S. No.</b> | <b>Qualification</b>                     | <b>University</b>                                                                              | <b>Year</b> | <b>Subject(s)/ Topic(s)</b>                                                                                  | <b>% Achieved</b>                          | <b>Distinctions etc.</b>                                                                                     |
|---------------|------------------------------------------|------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>1</b>      | <b>Doctorate of Philosophy (Ph.D.)</b>   | <b>IIT, Kanpur</b>                                                                             | <b>2000</b> | <b>(Geotechnical Engineering) Analysis and Settlement of Granular Pile(s)-Single, in Group and with Raft</b> | <b>CGPA- 9.72/10</b>                       | <b>Completed in smallest record time period (submitted thesis in 2 years &amp; 09 months) of IIT, Kanpur</b> |
| <b>2</b>      | <b>Masters of Technology (M.Tech.)</b>   | <b>REC Kurukshetra (Former), NIT Kurukshetra (Now)</b>                                         | <b>1990</b> | <b>(Geotechnical Engineering) Strength Evaluation and Behavior of Jointed Rock Mass</b>                      | <b>Awarded Marks- 1380/1650, (83.67%)</b>  | <b>1<sup>st</sup> with Distinction</b>                                                                       |
| <b>3</b>      | <b>Bachelors of Technology (B.Tech.)</b> | <b>Harcourt Butler Technical Institute (Former) Harcourt Butler Technical University (Now)</b> | <b>1988</b> | <b>Civil Engineering</b>                                                                                     | <b>Awarded Marks- 5093/ 6360, (80.07%)</b> | <b>1<sup>st</sup> with Distinction</b>                                                                       |
| <b>4</b>      | <b>HSSC (12th)- Intermediate</b>         | <b>Hindu Vidhalaya Inter College, Jaswantnagar, Dist.- Etawah- 206245, UP</b>                  | <b>1984</b> | <b>General Hindi, English, Maths, Physics, Chemistry</b>                                                     | <b>Awarded Marks- 394 / 500, (78.8%)</b>   | <b>1<sup>st</sup> with Distinction, (1<sup>st</sup> Position in District Etawah)</b>                         |

|   |                           |                                                                                       |      |                                                  |                                            |                                                                                             |
|---|---------------------------|---------------------------------------------------------------------------------------|------|--------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------|
| 5 | SSC (10th)-<br>Highschool | Hindu<br>Vidhalaya<br>Inter College,<br>Jaswantnagar,<br>Dist.- Etawah-<br>206245, UP | 1982 | Hindi, Maths,<br>Science,<br>English,<br>Biology | Awarded<br>Marks-<br>384 / 500,<br>(76.8%) | 1 <sup>st</sup> with<br>Distinction,<br>(4 <sup>th</sup> Position in<br>District<br>Etawah) |
|---|---------------------------|---------------------------------------------------------------------------------------|------|--------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------|

**5. ADMINISTRATIVE EXPERIENCE/POST(S) & RESPONSIBILITIES HELD:**

| S. No. | Post                             | Organization/<br>University                                                                   | Duration       |              | Experience<br>(In Years and<br>Months)            |
|--------|----------------------------------|-----------------------------------------------------------------------------------------------|----------------|--------------|---------------------------------------------------|
|        |                                  |                                                                                               | From<br>(Date) | To<br>(Date) |                                                   |
| 1      | Head of Department (Officiating) | Rajasthan<br>Technical<br>University,<br>Kota-324010                                          | -              | -            | Time to time in<br>the absence of<br>Regular Head |
| 2      | Chairman, Board of Studies       | Rajasthan<br>Technical<br>University,<br>Kota-324010                                          | 17/07/2019     | Till Date    | 11 Months                                         |
| 3      | Member Board of Studies          | Rajasthan<br>Technical<br>University,<br>Kota-324010                                          | 02/08/2016     | 02/08/2018   | 02 Years                                          |
| 4      | Member Board of Governors        | Member of<br>Board of<br>Governors<br>for<br>Government<br>Engineering<br>College<br>Jhalawar | 22/09/2018     | Till Date    | 01 Year & 09<br>Months                            |

|    |                                                     |                                                                                 |            |            |                      |
|----|-----------------------------------------------------|---------------------------------------------------------------------------------|------------|------------|----------------------|
| 5  | Member Board of Governors                           | Member of Board of Governor, Government Engineering College Baran               | 25/09/2018 | Till Date  | 01 Year & 08 Months  |
| 6  | Member Board of Governors                           | Member Board of Governor, Om Kothari Institute of Management and Research, Kota | 25/09/2018 | Till Date  | 01 Year & 08 Months  |
| 7  | Group Leader<br>NBA-Teaching learning process       | Rajasthan Technical University, Kota-324010                                     | 08/07/2019 | Till Date  | 11 Months            |
| 8  | Group Coordinator<br>Geotechnical and Computer Lab. | Rajasthan Technical University, Kota-324010                                     | 04/08/2019 | Till Date  | 10 Months            |
| 9  | Member of<br>Research Degree Committee              | Dr. APJ Abdul Kalam Technical University, Lucknow                               | 25/03/2017 | 25/03/2018 | 01 Year              |
| 10 | Group Coordinator<br>of Surveying Lab.              | Rajasthan Technical University, Kota-324010                                     | 29/07/2017 | 04/08/2019 | 02 Years & 06 Months |
| 11 | Dean Research                                       | Rajasthan Technical University, Kota-324010                                     | 04/05/2015 | 27/05/2015 | 23 Days              |

|    |                                                                                                   |                                             |            |            |                      |
|----|---------------------------------------------------------------------------------------------------|---------------------------------------------|------------|------------|----------------------|
| 12 | Member In-Charge of Communication Committee of Placement Cell                                     | Rajasthan Technical University, Kota-324010 | 12/02/2015 | 12/02/2016 | 01 Year              |
| 13 | P.G. Coordinator for M.Tech. Geotechnical Engineering                                             | Rajasthan Technical University, Kota-324010 | 29/07/2015 | 04/08/2017 | 02 Years             |
| 14 | Group Coordinator of Technical Committee of Road Material Testing, Geotech. Lab., Hydraulics Lab. | Rajasthan Technical University, Kota-324010 | 22/09/2015 | 22/09/2017 | 02 Years             |
| 15 | Member of Department Research Committee                                                           | Rajasthan Technical University, Kota-324010 | 25/03/2014 | Till Date  | 06 Years & 02 Months |
| 16 | In-charge of Facilities and Technical Support of SAR Document of NBA                              | Rajasthan Technical University, Kota-324010 | 17/07/2014 | 17/07/2015 | 01 Year              |
| 17 | Convener and Member of Anti Ragging Squad                                                         | Rajasthan Technical University, Kota-324010 | 02/08/2014 | 28/07/2016 | 01 Year & 11 Months  |
| 18 | Technical Member of Auction and Purchase Committee of Vardhman Open University, Kota              | Vardhman Mahavir Open University, Kota      | 18/02/2013 | 27/02/2015 | 02 Years             |
| 19 | Lab. In-charge Hydraulics Lab.                                                                    | Rajasthan Technical University, Kota-324010 | 01/10/2012 | 01/10/2014 | 02 Years             |

|    |                                                                                                                       |                                                                                                    |            |            |                         |
|----|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------|------------|-------------------------|
| 20 | Nodal Officer (Academics)<br>TEQIP Phase II                                                                           | Rajasthan<br>Technical<br>University,<br>Kota-324010                                               | 30/11/2010 | 03/03/2014 | 03 Years & 03<br>Months |
| 21 | Counsellor second<br>B.Tech. Civil Engineering                                                                        | Rajasthan<br>Technical<br>University,<br>Kota-324010                                               | 30/08/2010 | 30/08/2011 | 01 Year                 |
| 22 | Lab. In-charge of<br>Geotechnical Engineering<br>Lab.                                                                 | Rajasthan<br>Technical<br>University,<br>Kota-324010                                               | 23-09-2010 | 23-09-2012 | 02 Years                |
| 23 | Convener and In-charge of<br>convocation team for<br>pandal, Parking and<br>transportation for H.E.<br>governor visit | Rajasthan<br>Technical<br>University,<br>Kota-324010                                               | 2009       | 2015       | 06 Years                |
| 24 | In-charge of UC<br>Examination                                                                                        | Rajasthan<br>Technical<br>University,<br>Kota-324010                                               | 10/04/2007 | 10/04/2008 | 01 Year                 |
| 25 | AEO Civil                                                                                                             | Government<br>Engineering<br>College Kota,<br>Rajasthan<br>Technical<br>University,<br>Kota-324010 | 15/07/2005 | 15/07/2006 | 01 Years                |
| 26 | Member Secretary of<br>physical verification<br>committee of Estate (civil)                                           | Government<br>Engineering<br>College Kota                                                          | 2005       | -          | -                       |
| 27 | Coordinator Department<br>Time-Table                                                                                  | Government<br>Engineering<br>College Kota                                                          | 22/07/2004 | 04/08/2019 | 15 Years                |
| 28 | Member Secretary of<br>Department Write-Off<br>Committee                                                              | Government<br>Engineering<br>College Kota                                                          | 2004       | -          | -                       |
| 29 | In-charge of Dept. Library<br>(establishing Dept. Library                                                             | Government<br>Engineering<br>College Kota                                                          | 2003       | 2006       | 03 Years                |
| 30 | Coordinator for various<br>courses such as                                                                            | Government<br>Engineering<br>College Kota                                                          | 2003       | 2006       | 03 Years                |

|           |                                                                                               |                                                                                                                 |                        |                        |                                     |
|-----------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------|------------------------|-------------------------------------|
|           | <b>Geotechnical Engg.,<br/>Surveying, Building<br/>construction, Fluid<br/>Mechanics etc.</b> |                                                                                                                 |                        |                        |                                     |
| <b>31</b> | <b>Event Organizer of<br/>Pentathlon during Athletic<br/>Meet 2003</b>                        | <b>Government<br/>Engineering<br/>College Kota</b>                                                              | <b>2003</b>            | <b>-</b>               | <b>-</b>                            |
| <b>32</b> | <b>In charge Time-table</b>                                                                   | <b>Government<br/>Engineering<br/>College Kota,<br/>Rajasthan<br/>Technical<br/>University,<br/>Kota-324010</b> | <b>2001</b>            | <b>2019</b>            | <b>18 Years</b>                     |
| <b>33</b> | <b>Advisor, Engineering<br/>Student Forum</b>                                                 | <b>Government<br/>Engineering<br/>College Kota,<br/>Rajasthan<br/>Technical<br/>University,<br/>Kota-324010</b> | <b>01/11/1999</b>      | <b>25/08/2005</b>      | <b>05 Years &amp; 09<br/>Months</b> |
| <b>34</b> | <b>Member of Proctorial Board</b>                                                             | <b>Government<br/>Engineering<br/>College Kota,<br/>Rajasthan<br/>Technical<br/>University,<br/>Kota-324010</b> | <b>1999</b>            | <b>2006</b>            | <b>07 Years</b>                     |
| <b>35</b> | <b>Executive Member (Civil)</b>                                                               | <b>Institution of<br/>Engineers,<br/>Kota Local<br/>Chapter</b>                                                 | <b>2001</b>            | <b>2003</b>            | <b>02 Years</b>                     |
| <b>36</b> | <b>In charge Attendance</b>                                                                   | <b>Engineering<br/>College Kota<br/>and Rajasthan<br/>Technical<br/>University<br/>Kota-324010</b>              | <b>1999 &amp; 1994</b> | <b>2015 &amp; 1996</b> | <b>08 Years</b>                     |
| <b>37</b> | <b>Coordinator 1<sup>st</sup> Year-PG</b>                                                     | <b>Engineering<br/>College Kota</b>                                                                             | <b>1999 &amp; 1994</b> | <b>2000 &amp; 1996</b> | <b>03 Years</b>                     |
| <b>38</b> | <b>Member of SDC</b>                                                                          | <b>Engineering<br/>College Kota</b>                                                                             | <b>1999</b>            | <b>2002</b>            | <b>03 Years</b>                     |

|    |                                                                                                                                                                                                              |                                                                         |      |      |          |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|------|------|----------|
| 39 | Member of Anti-Ragging Squad                                                                                                                                                                                 | Engineering College Kota                                                | 1993 | 1996 | 03 years |
| 40 | In charge of Various lab. time to time such as Geotechnical Engg. Lab., Applied Mechanics Lab., Civil Engg. Material Lab., Road Material Testing Lab, Computer Lab., Material Testing Lab. & Hydraulics Lab. | Engineering College Kota and Rajasthan Technical University Kota-324010 | 1990 | 2015 | 25 Years |
| 41 | Executive Member of IGS Local Chapter at I.I.T. Kanpur                                                                                                                                                       | IIT Kanpur                                                              | 1997 | 1999 | 02 Years |
| 42 | Member of organizing committee for Short Term Course "Development in Reinforcement of Ground & Slopes" at I. I. T. Kanpur (March. 99).                                                                       | IIT Kanpur                                                              | 1999 | -    | -        |
| 43 | Member of organizing committee for National Workshop "Reinforcement of Ground & Slopes" at I. I. T. Kanpur (Aug. 21 & 22, 1998)                                                                              | IIT Kanpur                                                              | 1998 | -    | -        |
| 44 | Member of Married Student Welfare Society, at I. I. T. Kanpur during, 1997-98.                                                                                                                               | IIT Kanpur                                                              | 1997 | 1998 | 01 Year  |
| 45 | Convener of Married Student Welfare Society, at I. I. T. Kanpur during, 1998-                                                                                                                                | IIT Kanpur                                                              | 1997 | 1998 | 01 Year  |

|    |                                                                                                                           |                          |                    |                   |          |
|----|---------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------|-------------------|----------|
|    | 99.                                                                                                                       |                          |                    |                   |          |
| 46 | Member of organizing committee for Symposium "On Advances in Geotechnical Engg. SAGE 96" at I. I. T. Kanpur.              | IIT Kanpur               | 1996               | -                 | -        |
| 47 | Member of Games & Sports Committee                                                                                        | Engineering College Kota | 1994               | 1996              | 02 Years |
| 48 | Member of Library Committee                                                                                               | Engineering College Kota | 1993               | 1994              | 01 Year  |
| 49 | Founder Advisor to Academy of Civil Engg. under Patron Dr. K.R. Arora, Head (Civil)                                       | Engineering College Kota | 1991               | 1993              | 02 Years |
| 50 | Member of Different Committees of Conferences, Training Programme, Short term courses etc. organized by Civil Engg. Dept. | Engineering College Kota | Since date joining | from of Till date | -        |

**6.(a) Academic/Teaching Experience & Responsibilities:**  
(In chronological order from latest to Oldest)

| S. No. | Post                | Organization/ University                    | Duration    |            | Experience (In Years and Months) |
|--------|---------------------|---------------------------------------------|-------------|------------|----------------------------------|
|        |                     |                                             | From (Date) | To (Date)  |                                  |
| 1      | Professor           | Rajasthan Technical University, Kota-324010 | 18-08-2009  | Till Date  | 10 Y 06 M                        |
| 2      | Associate Professor | Government Engineering College, Kota        | 18-08-2001  | 18-08-2009 | 08 Y 0 M                         |
| 3      | Senior Lecturer     | Government Engineering College, Kota        | 18-08-1996  | 18-08-2001 | 05 Y 0 M                         |
| 4      | Lecturer            | Government Engineering College, Kota        | 18-08-1990  | 18-08-1996 | 06 Y 0 M                         |
| 5      | Lecturer (ad hoc)   | Government Engineering College, Kota        | 07-12-1989  | 06-06-1990 | 06 M                             |

**(b) Participation and contribution in relevant areas in higher education:**

| S. No. | Title of the course                                                | Duration of the course with Month & date | Whether approved by AICTE | Name of the Institute & Department where the course conducted. |
|--------|--------------------------------------------------------------------|------------------------------------------|---------------------------|----------------------------------------------------------------|
| 1      | Pump and Valve Selection for Optimum Performance                   | 2 Weeks (27-12-93 to 08-01-94)           | Yes                       | M.N.R.E.C., Allahabad                                          |
| 2      | Unix & Database Management                                         | 2 Weeks (06-06-94 to 18-06-94)           | Yes                       | Govt. Engg. College, Ujjain,                                   |
| 3      | Integrated Remote Sensing Studies for Natural Resources Management | 2 Weeks                                  | Yes                       | Govt. Engg. College, Bhopal                                    |

|    |                                                                                |                                |     |                      |
|----|--------------------------------------------------------------------------------|--------------------------------|-----|----------------------|
|    |                                                                                | (16-05-94 to 29-05-94)         |     |                      |
| 4  | Environmental Pollution Control System & Design                                | 2 Weeks (19-06-95 to 25-06-95) | Yes | M.I.T.S., Gwalior    |
| 5  | Japanese Management Philosophies & Techniques for Operations Management.       | 2 Weeks (17-06-96 to 29-06-96) | Yes | Engg. College, Kota  |
| 6  | Development in Concrete Construction                                           | 1 Week (02-12-96 to 07-12-96)  | Yes | I.I.T., Kanpur       |
| 7  | Workshop on "Need Analysis of Short Term Programme in Management under Q.I.P". | 1 day (07-12-96)               | Yes | Engg. College Kota   |
| 8  | Engineering of Ground                                                          | 1 Week (12-05-97 to 17-05-97)  | Yes | I.I.T., Kanpur       |
| 9  | IGC' 97 <u>(Research Paper Presented)</u>                                      | 3days (17-12-97 to 20-12-97)   | Yes | M. S. Univ., Vadodra |
| 10 | IGC' 98 <u>(Research Paper Presented)</u>                                      | 3 days (07-12-98 to 10-12-98)  | Yes | I.I.T. Delhi         |
| 11 | Developments in Reinforcement of Ground and Slopes                             | 1 Week (22-03-99 to 26-03-99)  | Yes | I.I.T. Kanpur        |

|    |                                                                                                                                              |                                      |     |                                                                      |
|----|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----|----------------------------------------------------------------------|
| 12 | National Seminar on Recent Trends in Civil Engg. Materials (Oct' 99)<br><u>(Research Paper Presented)</u>                                    | 2 days<br>(15-10-99 to 16-10-99)     | Yes | Engg. College<br>Kota                                                |
| 13 | National Seminar on 'Renewable Energy Sources for Environmental Protection and Sustainable Development.<br><u>(Research Paper Presented)</u> | 2 days<br>(28-01. to 29-01-2000)     | Yes | Engg. College<br>Kota                                                |
| 14 | Summer School on 'Renewable Energy Sources for Environmental Protection and Sustainable Development                                          | 2 Weeks<br>(26-06. to 06-07-2000)    | Yes | Engg. College<br>Kota                                                |
| 15 | One day State Level Workshop on “Opportunities for Young Scientists”                                                                         | 1 day<br>(28-03-2001)                | Yes | Department of Science & Technology,<br>Govt. of Rajasthan,<br>Jaipur |
| 16 | IGC' 2001 <u>(Research Paper Presented)</u>                                                                                                  | 3 days<br>(14-12 to 16-12-2001)      | Yes | SGISTS, Indore                                                       |
| 17 | Finite Element Techniques: Fundamentals, Implementation and Applications.                                                                    | One Week<br>(20-12 to 25-12-2004)    | Yes | Engg. College,<br>Kota                                               |
| 18 | Industry – Institute Interaction                                                                                                             | 5 Days<br>(12/09/2005 to 16/09/2005) | Yes | Engg. College,<br>Kota                                               |
| 19 | Advance in Cement and Concrete                                                                                                               | NITTTR<br>(28/11 to 30/11/2005)      | Yes | Civil Engg. Dept,<br>MHRD, Govt. of India                            |

|    |                                                                                          |                                       |     |                               |
|----|------------------------------------------------------------------------------------------|---------------------------------------|-----|-------------------------------|
| 20 | Reclamation of Waterlogged saline soil through drainage                                  | Two Days<br>04/12 to<br>05/12/2005    | Yes | Kota local center, Kota       |
| 21 | Optimization technique for engineering applications-2013                                 | One week<br>(08.05 to<br>12.05.2013 ) | Yes | RTU, Kota                     |
| 22 | Two Day National Workshop on Geotechnical Engineering & Practices                        | Nov2014                               | Yes | MNIT, Jaipur                  |
| 23 | Cloud Computing & its Application in Engineering and Sciences.                           | One week<br>(20.04 to<br>24.04.2013 ) | Yes | RTU, Kota                     |
| 24 | One - week workshop on Recent Trends in Digital Image Processing and Computing Vision    | One week<br>18/01 –<br>22/01/17       | Yes | RTU, Kota                     |
| 25 | One - week STC on Tools For Engineering Research Through ICT                             | One Week<br>30/01<br>03/02/17         | Yes | RTU, Kota by NITTR Chandigarh |
| 26 | One - week STC on Interventions for Effective Industry Institute Partnership Through ICT | One Week<br>24/04 –<br>28/04/17       | Yes | RTU, Kota by NITTR Chandigarh |
| 27 | One - week STC on Embedded System Practices Through ICT                                  | One Week<br>22/05 –<br>25/05/17       | Yes | RTU, Kota by NITTR Chandigarh |
| 28 | One - week STC on Product Design and Development Through ICT                             | One Week<br>06/11 –<br>10/11/17       | Yes | RTU, Kota by NITTR Chandigarh |
| 29 | One - week STC on Modeling and Simulation Using MATLAB through ICT                       | One Week<br>22/01 –<br>26/01/18       | Yes | RTU, Kota by NITTR Chandigarh |
| 30 | One - week STC on MATLAB and lab view With its hardware Interface though ICT             | One Week<br>29/01 –<br>02/02/18       | Yes | RTU, Kota by NITTR Chandigarh |

|    |                                                                                                                                                                                  |                              |     |                               |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----|-------------------------------|
| 31 | One - week STC on soft Computing techniques Using MATLAB Through ICT                                                                                                             | One Week<br>05/03 – 09/03/18 | Yes | RTU, Kota by NITTR Chandigarh |
| 32 | One - week STC on Strategic management And SWOT analysis For institutional Excellence through ICT                                                                                | One Week<br>07/05 – 11/05/18 | Yes | RTU, Kota by NITTR Chandigarh |
| 33 | One - week STC on Tools for scientific research in engineering & sciences through ICT                                                                                            | One Week<br>12/11 – 16/11/18 | Yes | RTU, Kota by NITTR Chandigarh |
| 34 | Three-day Faculty Development Program on Preparation For NBA Accreditation                                                                                                       | July 3-5<br>2019             | Yes | Teqip-III-RTU, Kota           |
| 35 | International Conference on Recent Trends & Innovations in Civil Engineering<br>(Give the Presentation on Effect of Granular Pile Stiffness on Load Distribution for Piled Raft) | Sept. 26-<br>28 2019         | Yes | Medi-Caps University, Indore  |
| 36 | Expert Lecture and Key Note Address on Recent Advances in Geotechnical Engineering                                                                                               | Oct. 19-<br>2019             | Yes | MITS, Gwalior                 |

## 7. INTERNATIONAL ACADEMIC EXPOSURE:

Worked with Professor of International eminence like Prof. W.F. Van Impe (University of Ghent, Belgium), Prof. H.B. Poorooshasb (University of Concordia, Canada), Prof. N. Miura (Institute of Lowland Technology, Saga, Japan), Prof. A.S. Balasubramaniam (Griffith University, Queensland, Australia), Prof. Vinayagamoothy Sivakumar (Queen's University, Belfast), Prof. David Muir Wood (University of Bristol, U.K.) and many others either having publication together or sharing research ideas.

## 8. SCHOLARLY ACHIEVEMENTS:

### A. Contribution to Journals and Books:

|               | Details                                                                                                                                                                                                                                                                  |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Peer Reviewer | Arabian Journal of Science and Engineering (SPRINGER), Indian Geotechnical Journal (SPRINGER) & Results in Engineering Journal (ELSEVIER)                                                                                                                                |
| Others        | Associate Member - Institution of Engineers (India)<br>Life Membership - Indian Geotechnical Society, International Society of Soil Mechanics and Foundation Engg. (1997–2000), Indian Society for Technical Education<br>Membership - Indian Grade Drawing, Maharashtra |

### B. Publication:

**Total Publications: 78 [35 Journals (National + International) + 42 Conferences (National + International) + 01 Patent]**

| International Journal-28 |                            |                                                                                                    |                                                                                         |                         |                                      |
|--------------------------|----------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------|--------------------------------------|
| S. No.                   | Date                       | Title                                                                                              | Name of Journal                                                                         | Referred journal or not | Number of Citations (where possible) |
| 1                        | Published TGEO-2019-0083   | Analysis of Rigid Raft Overlying the Granular Pile with the effect of Stiffness of Bearing Stratum | International Journal of Geo – mechanics and Geo - Engineering “Taylor and Francis, UK” | Yes                     |                                      |
| 2                        | Communicated, Under Review | Effectiveness of Combination of Leaves in Removal of Zinc and Iron Metals from Wastewater          | Taylor and Francis (International Journal of Environmental Studies)                     | Yes                     |                                      |

|   |                                                                                                                                                                                 |                                                                                                 |                                                                                                               |     |   |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----|---|
| 3 | Reviewed<br>Accepted<br>Will be Publish in Dec. 2020<br>ISSN:<br>0046 – 5828<br>Indexed by: -<br>EI since 1970<br>Scopus since 2001<br>ESCI since 2017                          | End Bearing<br>Granular Pile<br>Effect of Non –<br>Linearity of Soil<br>and Granular<br>Pile    | South Asian<br>Geotechnical<br>Society                                                                        | Yes |   |
| 4 | Published,<br>Vol. 50, No. 03, Sep. 2019, Paper<br>No. 04<br>Page No. (32-40)<br>ISSN:<br>0046 – 5828<br>Indexed by: -<br>EI since 1970<br>Scopus since 2001<br>ESCI since 2017 | Stiffening<br>Effect on End<br>Bearing<br>Granular Piles                                        | South Asian<br>Geotechnical<br>Society<br>Special Issue<br>Honoring:<br>Bengt<br>Fellenius                    | Yes | 2 |
| 5 | Published,<br>ISSN: 2321-9653 Volume 7 Issue<br>VIII, Aug2019                                                                                                                   | Comparative<br>Study of<br>Settlement<br>Reduction of<br>Rigid Raft<br>through<br>Granular Pile | International<br>Journal for<br>Research in<br>Applied<br>Science &<br>Engineering<br>Technology<br>(IJRASET) | Yes | 2 |
| 6 | Published<br>Vol. 51, No. 02, June 2020<br>Paper No. 05<br>ISSN:<br>0046 – 5828<br>Indexed by: -<br>EI since 1970<br>Scopus since 2001<br>ESCI since 2017                       | Analysis of<br>Stiffened<br>Granular Piled<br>Raft                                              | South Asian<br>Geotechnical<br>Society<br>Special Issue<br>Honoring:<br>Prof. Harry G<br>Poulos               | Yes | 2 |

|    |                                                                                                                     |                                                                                                                                   |                                                                                                                                                                                          |     |   |
|----|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 7  | Published,<br>DOI:<br>10.1080/17486025.2019.1635715,<br>ISSN: 1748-6025                                             | Analysis and<br>Settlement<br>Study of Group<br>of Two, Three<br>and Four<br>Partially<br>Stiffened<br>Floating<br>Granular Piles | International<br>Journal of Geo<br>– mechanics<br>and Geo -<br>Engineering<br>“Taylor and<br>Francis, UK”                                                                                | Yes | 2 |
| 8  | Vol. No. – 05,<br>Issue No. – 03,<br>March 2019                                                                     | Waste Water<br>Bioremediation<br>Using Natural<br>Combination of<br>Leaves                                                        | International<br>Journal of<br>Recent Trends<br>in Engineering<br>and Research                                                                                                           | Yes | 2 |
| 9  | Vol. No. – 06,<br>Issue No. – 01,<br>ISSN 2394 – 9333,<br>January 2018.<br>ID – IJTRD20298                          | Comparison of<br>Traffic Noise<br>Prediction<br>Models in Kota<br>City<br>(Rajasthan)                                             | International<br>Journal of<br>Trend in<br>Research and<br>Development                                                                                                                   | Yes | 2 |
| 10 | DOI –<br><a href="http://doi.org/10.2478/sgem-2018-0012">http://doi.org/10.2478/sgem-2018-0012</a><br>December 2018 | Analysis and<br>Settlement<br>Evaluation of<br>an End Bearing<br>Granular Pile<br>with Non –<br>Linear<br>Deformation<br>Modulus  | Studia<br>Geotechnical<br>et. Mechanica<br>Online Access<br>2018; 40<br>(3):188-201                                                                                                      | Yes | 5 |
| 11 | Volume 6<br>Issue V,<br>pp. 270-277<br>May 2018                                                                     | Comparative<br>Study of<br>Rigorous<br>Analysis and<br>Superposition<br>Principle for<br>Floating<br>Granular Piles<br>Group      | International<br>Journal for<br>Research in<br>Applied<br>Science &<br>Engineering<br>Technology<br>(IJRASET),<br>ISSN: 2321-<br>9653; IC<br>Value: 45.98;<br>SJ Impact<br>Factor: 6.887 | Yes | 2 |

|    |                                                                                   |                                                                                                    |                                                                                                                                                                                                |     |    |
|----|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
|    |                                                                                   |                                                                                                    | Volume 6<br>Issue V, May<br>2018                                                                                                                                                               |     |    |
| 12 | Volume 04<br>Issue 04<br>April- 2018                                              | Stiffening<br>effect on<br>settlement<br>reduction for a<br>single end<br>bearing<br>granular pile | International<br>Journal for<br>recent trends<br>in Engineering<br>and Research                                                                                                                | Yes | 2  |
| 13 | Vol. – 07<br>Issue No. – 02,<br>January 2018,                                     | Review of Soil<br>Stabilization<br>using Different<br>Types of<br>Stabilizers                      | International<br>Journal for<br>advance<br>research in<br>Science and<br>Engineering<br>Vol.07, special<br>issue No. (02),<br>January 2018,<br>ISSN(O):2319-<br>8354,<br>ISSN(P):2319-<br>8346 | Yes | 2  |
| 14 | DOI: 10.23883/2017.3498.SWEE2<br>June 2017                                        | Non – Linear<br>Analysis of<br>Single Floating<br>Granular Pile                                    | International<br>Journal of<br>Recent Trends<br>in Engineering<br>and Research                                                                                                                 | Yes | 2  |
| 15 | Vol. – 06<br>Issue – 06<br>June 2015                                              | Settlement<br>Analysis of<br>Granular Pile<br>with Stiffened<br>Top                                | International<br>Journal of<br>Scientific &<br>Engineering<br>Research,<br>ISSN 2229-<br>5518                                                                                                  | Yes | 2  |
| 16 | Vol. 1<br>No. 1, pp.97-112<br>Published 2009<br>DOI:<br>10.12989/gae.2009.1.1.097 | Analysis of<br>granular piled<br>raft foundation                                                   | International<br>Jl. of<br>Geomechanics<br>&<br>Engineering,<br>(SCOPUS)<br>ISSN                                                                                                               | Yes | 12 |

|    |                                                 |                                                                                                                                                                                                           |                                                                                                   |     |  |
|----|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----|--|
|    |                                                 |                                                                                                                                                                                                           | 2005 – 307X<br>(Print)<br>ISSN<br>2092 – 6219<br>(Online)                                         |     |  |
| 17 | Published<br>Volume 7, Issue XII, December 2019 | Performance<br>evaluation of<br>waste Kota stone<br>slurry powder<br>mixed with black<br>cotton soil                                                                                                      | International<br>Journal for<br>Research in<br>Applied Science<br>and Engineering<br>Technology   | Yes |  |
| 18 | Communicated, Under Review                      | Numerical<br>Evaluation of<br>Partially<br>Stiffened<br>Granular Piled<br>Raft with the<br>Effect of<br>Rigidity of<br>Bearing<br>Stratum                                                                 | Geotechnical<br>and Geological<br>Engineering,<br>(SPRINGER)                                      |     |  |
| 19 | Communicated, Under Review                      | Analytical<br>and<br>Numerical<br>Evaluation<br>of Effect of<br>Stiffening<br>with Rigidity<br>of Bearing<br>Stratum on<br>Reduction of<br>Settlement<br>for A<br>Partially<br>Stiffened<br>Granular Pile | Geomechanics and<br>Geoengineering:<br>An<br>International<br>Journal,<br>(Taylor and<br>Francis) |     |  |
| 20 | Communicated, Under Review                      | An Analytical<br>Study of<br>Partially<br>Strengthened<br>Single End<br>Bearing<br>Granular Pile<br>Near the Top<br>and Bottom                                                                            | Arabian<br>Journal for<br>Science and<br>Engineering,<br>(SPRINGER)                               |     |  |

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|----|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--|--|
| 21 | Communicated, Under Review | Performance Evaluation of Black Cotton Soil Mixed with Fly Ash and Kota Stone Slurry Powder                                                       | Studia Geotechnica et Mechanica                                                  |  |  |
| 22 | Communicated, Under Review | Remedial Measures for Eradication of Zinc, Copper & Iron from Waste Water by Use of Leaves as an Adsorbent                                        | Environmental Science and Pollution Research (SPRINGER)                          |  |  |
| 23 | Communicated, Under Review | Numerical Emulation of Partially Strengthened Floating Granular Pile with Vertical and Radial Displacement Compatibility                          | Studia Geotechnica et Mechanica                                                  |  |  |
| 24 | Communicated, Under Review | Analytical and Numerical Study of Set of Two, Three and Four End Bearing Granular Piles                                                           | International Journal of Geomechanics (ASCE)                                     |  |  |
| 25 | Communicated, Under Review | Numerical and Analytical Comparative Evaluation of Non-Homogeneous Floating Granular Pile with Linear, Non-Linear and Average Deformation Modulus | Geomechanics and Geoengineering : An International Journal, (Taylor and Francis) |  |  |
| 26 | Communicated, Under Review | Evaluation of Bearing Capacity of Shallow Foundation by                                                                                           | Geotechnical and Geological Engineering, (SPRINGER)                              |  |  |

|                    |                                                                                                        |                                                                                                   |                                                                       |     |   |
|--------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----|---|
|                    |                                                                                                        | Artificial Neural Network                                                                         |                                                                       |     |   |
| 27                 | Published, Volume-11, Issue- 6, June 2020, Page No. 285- 294, DOI:16.10089.CEJ.2020.V11 I6.285311.3120 | Numerical Study of Influence of Strengthening at Top of Floating Granular Piled Raft on Bulging   | Compliance Engineering Journal                                        |     |   |
| 28                 | Communicated, Under Review                                                                             | Performance Evaluation of Black Cotton Soil Mixed with Fly Ash                                    | Indian Journal of Engineering and Materials Sciences                  |     |   |
| National Journal-7 |                                                                                                        |                                                                                                   |                                                                       |     |   |
| 1                  | Published<br>December – 2018<br>DOI<br>10.1007/s40030-018-0347-y<br>ISSN<br>2250 - 2149                | Effect of Non-Linear Non-Homogeneity of Floating Granular Pile and Soil on Settlement             | Journal of The Institution of Engineers (India): Series A. - SPRINGER | Yes | 2 |
| 2                  | Published<br>December – 2018<br>DOI<br>10/1007/s40030-018-0346-z<br>ISSN<br>2250 – 2149                | Stiffening Effect on Settlement Reduction for A Single Partially Stiffened Floating Granular Pile | Journal of The Institution of Engineers (India): Series A. - SPRINGER | Yes | 2 |
| 3                  | DOI –<br>10.1007/s40098-018-0321-7<br>July 2018<br>ISSN<br>0971 – 9555                                 | Analysis and settlement of partially stiffened single and group of two floating granular piles.   | Indian Geotechnical Journal SPRINGER                                  | Yes | 2 |

|   |                                                                       |                                                                                                                |                                                              |     |   |
|---|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|-----|---|
| 4 | DOI:<br>10.1007/s40098-017-0240-z<br>June 2017<br>ISSN<br>0971 – 9555 | Settlement<br>analysis of Non<br>–<br>Homogeneous<br>Single Granular<br>Pile                                   | Indian<br>Geotechnical<br>Journal<br>SPRINGER                | Yes | 2 |
| 5 | Vol. 3<br>Published 2006<br>ISSN<br>0971 – 9555                       | Analysis and<br>settlement of<br>non –<br>homogeneous<br>granular pile.                                        | Indian<br>Geotechnical<br>Journal 2006<br>SPRINGER           | Yes | 2 |
| 6 | Vol 80<br>May 1999                                                    | "A Simple<br>Method for<br>Prediction of<br>Settlement of<br>Stone Column<br>Reinforced<br>Ground"             | Jl. of<br>Institution of<br>Engineers<br>(India)<br>SPRINGER | Yes | 2 |
| 7 | November 1990                                                         | "Engineering<br>Classification of<br>Rocks - A New<br>Approach".<br>Kota Center,<br>Vith Annual<br>Number1990. | Jl. of<br>Institution of<br>Engineers<br>(India) 1990        | Yes | 2 |

**C. Participation and scholarly presentations in conferences:**

**National: 32**

| S. No. | Date                                                       | Title of Conference or Institution                                                      | Title/Subject of presentation (if made)                                                  |
|--------|------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| 1      | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER) | Distribution and Sharing of Load for Partially Strengthened Floating Granular Piled Raft |
| 2      | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER) | The Behavior of Expansive Soil on the Addition of Kota Stone Slurry and Cement           |
| 3      | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER) | Effect of Waterborne Polymer on Geotechnical Properties of Black Cotton Soil             |

|    |                                                            |                                                                                            |                                                                                                                                                |
|----|------------------------------------------------------------|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 4  | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER)    | An Experimental Study on Black Cotton Soil Using Marble Dust and Solid Leather Waste                                                           |
| 5  | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER)    | Variation of Shaft Stresses for Homogeneous and Non-Homogeneous Floating Granular Pile with Linear, Non-Linear and Average Deformation Modulus |
| 6  | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER)    | Enhancing the Properties of Dune Sand Using Marble Dust                                                                                        |
| 7  | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER)    | Performance Evaluation of Expansive Soil Using Kota Stone Powder and Terrazyme                                                                 |
| 8  | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER)    | Experimental Investigation of Stabilization of Black Cotton Soil Mixed with Petroleum Sludge                                                   |
| 9  | Abstract Accepted, Working on Full length paper submission | Indian Geotechnical Conference (IGC) – 2020, will held at Andhra University. (SPRINGER)    | Experimental Investigation of Expansive Soil Mixed with Rubber Tyre Shreds                                                                     |
| 10 | Theme 03 – 40<br>Accepted, Under Publication               | Indian Geotechnical Conference (IGC) – 2019, 19 – 21 Dec. held at SVNIT, Surat. (SPRINGER) | Stabilization of Expansive Soil Using Eggshell Powder and Kota Stone Dust                                                                      |
| 11 | Published                                                  | ICRTICE2019Medi-caps university, Indore, SPRINGER / 2019                                   | Performance Evaluation of Expansive Soil Using Animal Bone Ash                                                                                 |
| 12 | Theme 04 – 18<br>Accepted, Under Publication               | Indian Geotechnical Conference (IGC) – 2019, 19 – 21 Dec. held at SVNIT, Surat. (SPRINGER) | Effect of Ground Granulated Blast Furnace Slag & Fly Ash on Geotechnical Properties of Expansive Soil                                          |

|    |                                               |                                                                                                                        |                                                                                                                  |
|----|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 13 | Accepted                                      | ICRTICE2019Medi-caps university, Indore, SPRINGER / 2019                                                               | Effect of Granular Pile Stiffness on Load Distribution for Piles Raft                                            |
| 14 | Theme 10 – 14<br>Accepted, Under Publication  | Indian Geotechnical Conference (IGC) – 2019, 19 – 21 Dec. held at SVNIT, Surat. (SPRINGER)                             | Estimation of Settlement of Stepped Pile in Granular Soil                                                        |
| 15 | Theme 03 – 70<br>Accepted, Under Publication  | Indian Geotechnical Conference (IGC) – 2019, 19 – 21 Dec. held at SVNIT, Surat. (SPRINGER)                             | Experimental Study of Improvement of Expansive Soil Mixed with Saw Dust and Marble                               |
| 16 | Theme 03 – 138<br>Accepted, Under Publication | Indian Geotechnical Conference (IGC) – 2019, 19 – 21 Dec. held at SVNIT, Surat. (SPRINGER)                             | Stabilization of Expansive Soil Using Terrazyme                                                                  |
| 17 | Theme 04–16<br>Accepted, Under Publication    | Indian Geotechnical Conference (IGC) – 2019, 19 – 21 Dec. held at SVNIT, Surat. (SPRINGER)                             | Experimental Study of engineering properties of kota stone slurry powder and fly ash mixed expansive soil        |
| 18 | March, 14 – 16, 2019, PCE146                  | GTU-ICON, Gujrat Technological University Conference<br>Scientific Revolution through Engineering & Technical Research | Use of Kota Stone Slurry/ Powder to Improve Engineering Properties of Expansive Soil                             |
| 19 | Published in 2018, Theme-08-53                | Indian Geotechnical Conference 2018<br>IISc Bengaluru SPRINGER                                                         | Effect of Stiffening on Stress Distribution Along Soil-Granular Pile Interface                                   |
| 20 | Published in 2018, Theme-10-18                | Indian Geotechnical Conference<br>IISc Bengaluru SPRINGER                                                              | Effect of Non – Linearity of Granular Pile with Rigidity of Bearing Stratum on Transfer of Stresses in Soil Mass |
| 21 | Published in 2018, Theme-12-001               | Indian Geotechnical Conference 2018<br>IISc Bengaluru SPRINGER                                                         | Modified Textural Soil Classification                                                                            |
| 22 | Published in 2018, Theme-10-44                | Indian Geotechnical Conference 2018<br>IISc Bengaluru SPRINGER                                                         | Settlement Analysis of Single Circular Hollow Pile                                                               |

|    |                                                                    |                                                                                                                                       |                                                                                                 |
|----|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 23 | Published in 2018, Theme-05-34                                     | Indian Geotechnical Conference 2018<br>IISc Bengaluru SPRINGER                                                                        | Stabilization of Expansive Soil Using Marble Dust and Coir Fiber                                |
| 24 | Published in 2018, Theme-05-23                                     | Indian Geotechnical Conference 2018<br>IISc Bengaluru SPRINGER                                                                        | Use of Kota Stone Powder to Improve Engineering Properties of Black Cotton Soil                 |
| 25 | Published in 2003                                                  | Indian Geotechnical Conference - 2003 I.I.T, Roorkee SPRINGER                                                                         | Effect of fly-ash and Lime - fly ash on the characteristics of Expansive soil                   |
| 26 | December 2002                                                      | Indian Geotechnical Conference - 2002, M.N.R.E.C Allahabad. SPRINGER                                                                  | Analysis of Single Granular Pile with Vertical and Radial Displacement Compatibility. IGC-2002, |
| 27 | Published 2001                                                     | Indian Geotechnical Conference - 2001, S.G.I.T.S, Indore.                                                                             | Analysis and Settlement of Single & Group of Granular Pile                                      |
| 28 | Engg. College Kota, Jan. 28-29, 2000, pp. 109 -118.                | Proc. of National Seminar on ' Renewable Energy Sources for Environmental Protection and Sustainable Development, Engg. College Kota. | Low Cost Energy Efficient Buildings for Rural Areas                                             |
| 29 | Oct 15 – 16, 1999, pp. 96 - 109.                                   | Proc. of National Seminar on Recent Trends in Civil Engg. Materials, Engg. College Kota                                               | Recent Developments in the Applications of Geosynthetics                                        |
| 30 | Vol. 2<br>Published 1998, Vol. 2, pp. 139 to 142.                  | Indian Geotechnical Conference - 98, I.I.T., Delhi                                                                                    | Analysis of Floating Granular Piled Raft Foundation                                             |
| 31 | Vol. V<br>Published in 1997, Theme V, pp. 5-22.1 to 5-22.4.        | Indian Geotechnical Conference - 97, Vadodara,                                                                                        | Analysis of Load Test on Stone Columns                                                          |
| 32 | March 13 – 14, 1996, M.M.M. Engg. College, Gorakhpur, pp. 50 - 58. | Proc. of Regional Seminar on Low Cost Flood Resisting Energy Efficient Houses for Eastern UP, M.M.M. Engg. College, Gorakhpur         | Rural Sanitation – An Environmental Aspect of low-cost Housing                                  |

### International: 10

| S. No. | Date                                                                                       | Title of Conference or Institution                                                               | Title/Subject of presentation (if made)                                                                          |
|--------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 1      | Published March, 4 – 7, 2019                                                               | International symposium 2019 at IIT Gandhinagar SPRINGER                                         | Study of Effect of Stiffening and Rigidity of Bearing Stratum on Tip Load for Single and Group of Granular Piles |
| 2      | SVRI College of Engineering Pandharpur, Maharashtra, 14-15 Dec. 2018, paper no.247, pp.115 | Second International conference on Advanced Technologies for Societal Applications 2018 SPRINGER | Top Settlement Analysis of Single Circular Floating Stepped Pile                                                 |
| 3      | Vol. – 06<br>Issue – 03<br>March 2018, pp. 69-77                                           | International Conference on Recent Trends in Engineering, Applied Science and Management         | Comparison Between the Water Content Determination Method from Oven Dry and Sensor Method                        |
| 4      | Vol. – 06<br>Issue – 03<br>March 2018, pp. 58-63                                           | International Conference on Recent Trends in Engineering, Applied Science and Management         | Damage Assessment of Tunnels During Earthquake                                                                   |
| 5      | Dol:<br>10.1061/9780784480021.022<br>July 2016                                             | 4th GeoChina International Conference 2016, SCI                                                  | Analysis of Effect of Stiffening at Top of Single Granular Pile with Stress Dependent Deformation Modulus        |
| 6      | Published in 2000 Finland, pp.501-508.                                                     | 4th ICGIGS 2000, Helensiki, Finland.                                                             | Reinforcing Effect from Load Tests on Rafts with Single and Three Granular Piles                                 |
| 7      | November 2000, pp.14-19                                                                    | Int. Conf. on Geotechnical & Geological Engineering (GeoEng2000), Melbourne                      | "Analysis and Settlement of Granular Piled Raft"                                                                 |
| 8      | December 1999 Navi Mumbai, pp.443-448.                                                     | Int. Conf. on Offshore Engg. (GEOSHORE), ONGC, Mumbai                                            | Consideration of Non-Homogeneity of a Granular Pile on Settlement                                                |

|    |                                           |                                                           |                                                                                              |
|----|-------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 9  | August 16 – 20, 1999, pp. 229-232.        | Asian Regional Conference, Proc. of 11th ARC Seoul, Korea | Granular Pile Groups – An Interaction Analysis                                               |
| 10 | 16-20 November, 1998, Taipei, Taiwan, ROC | Thirteenth Southeast Asian Geotechnical Conference        | Prediction of Settlement of Stone Column Reinforced Ground from Results of In Situ Load Test |

**D. Participation and contribution in National/International Fora:**

|                             |               | Number(s) |
|-----------------------------|---------------|-----------|
| Plenary Talks/Invited Talks | International | 1         |
|                             | National      | 4         |
| Examinership etc.           | International | 1         |
|                             | National      | 9         |

**9. RESEARCH PROJECTS:**

| S. No. | Client/Organization's Name           | Nature of Project | Duration of Project      | Amount of Grant (Rupees) |
|--------|--------------------------------------|-------------------|--------------------------|--------------------------|
| 1      | Modernization of laboratory AICTE    | Government        | 1999 to 2003             | 10 Lakh                  |
| 2      | TEQIP Phase II, NPIU, MHRD New Delhi | Government        | 30/11/2010 to 21/11/2013 | 150 Lakh                 |

**10. CONSULTING EXPERIENCE:**

List key of consulting assignments undertaken:

| S. No. | Title                                              | Sponsoring Agency                                  | From- To              | Amount in lakhs | Role         | Total CoPIs                       | Status    |
|--------|----------------------------------------------------|----------------------------------------------------|-----------------------|-----------------|--------------|-----------------------------------|-----------|
| 1      | Design of masonry retaining wall in Mangrol, Baran | Design of masonry retaining wall in Mangrol, Baran | 11-04-2017-01-05-2017 | 1.15            | Investigator | Dr. J. K. Sharma, Dr. K.S. Grover | Completed |

|    |                |                                          |                               |      |                  |                                                                 |           |
|----|----------------|------------------------------------------|-------------------------------|------|------------------|-----------------------------------------------------------------|-----------|
| 2  | CC Road Design | Executive Engineer,<br>PWD, Chittorgarh  | 31-01-<br>2015-31-<br>03-2015 | 0.67 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>H.D.<br>Charan, Dr.<br>K.S. Grover  | Completed |
| 3  | CC Road Design | Executive Engineer,<br>PWD, Pratapgarh   | 18-02-<br>2015-31-<br>03-2015 | 0.56 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>H.D.<br>Charan, Dr.<br>K.S. Grover  | Completed |
| 4  | CC Road Design | Executive Engineer,<br>PWD, Jhalawar     | 11-02-<br>2015-31-<br>03-2015 | 0.56 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>K.S. Grover                         | Completed |
| 5  | CC Road Design | Executive Engineer,<br>PWD, Bhilwara     | 09-02-<br>2015-31-<br>03-2015 | 0.84 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>H.D.<br>Charan, Dr.<br>K.S. Grover  | Completed |
| 6  | CC Road Design | Executive Engineer,<br>PWD, Jhalawar     | 11-02-<br>2015-31-<br>03-2015 | 0.56 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>H.D.<br>Charan, Dr.<br>K.S. Grover  | Completed |
| 7  | CC Road Design | Executive Engineer,<br>PWD, Bhilwara     | 28-01-<br>2015-30-<br>03-2015 | 0.11 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>K.S. Grover                         | Completed |
| 8  | CC Road Design | Executive Engineer,<br>PWD, Swaimadhopur | 03-02-<br>2015-23-<br>03-2015 | 0.56 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>H.D.<br>Charan, Dr.<br>K.S. Grover  | Completed |
| 9  | CC Road Design | Executive Engineer,<br>PWD, Chittorgarh  | 03-02-<br>2015-09-<br>03-2015 | 0.84 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>N.P.<br>Kaushik, Dr.<br>K.S. Grover | Completed |
| 10 | CC Road Design | Executive Engineer,<br>PWD, Nainwa       | 03-02-<br>2015-27-<br>02-2015 | 0.67 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>H.D.<br>Charan, Dr.<br>K.S. Grover  | Completed |
| 11 | CC Road Design | Executive Engineer,<br>PWD, Bhilwara     | 28-01-<br>2015-18-<br>02-2015 | 0.56 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>K.S. Grover                         | Completed |

|    |                                                                                                      |                                                                                |                               |      |                  |                                                                  |           |
|----|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------|------|------------------|------------------------------------------------------------------|-----------|
| 12 | CC Road Design                                                                                       | Executive Engineer,<br>PWD, Bhilwara                                           | 28-01-<br>2015-18-<br>02-2015 | 0.56 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr,<br>K.S. Grover                          | Completed |
| 13 | Design of CNS layer                                                                                  | Ex. En. Irrigation, Kota                                                       | 02-08-<br>2010-02-<br>09-2010 | 0.18 | Investigat<br>or | Dr. J. K.<br>Sharma, Dr.<br>N.P.<br>Kaushik                      | Completed |
| 14 | Foundation and structural<br>design of LIG flats under<br>Dwarkapuri<br>Scheme at Kunhari, Kota 2009 | R.E., R.H.B. Div. Kota                                                         | 05-03-<br>2009-06-<br>04-2009 | 1.52 | Investigat<br>or | Dr. J. K.<br>Sharma,<br>Dr. H.D.<br>Charan                       | Completed |
| 15 | SBC for RCC-SR at<br>Dungarja-Umedpura Teh.-Digod<br>2008                                            | Ugresen Gupta<br>Engineers &<br>Contractor 172,<br>Dadawari Extension,<br>KOTA | 12-08-<br>2008-31-<br>08-2008 | 0.14 | Investigat<br>or | Dr. J. K.<br>Sharma                                              | Completed |
| 16 | Design of Gaurav Path for<br>Rajasthan PWD 2014-15                                                   | PWD                                                                            | 2014-2015                     | 1.0  | Investigat<br>or | Dr. J. K.<br>Sharma,<br>Sh. K.S.<br>Grover                       | Completed |
| 17 | Various soil testing covering<br>almost all types of lab and field<br>testing 2005 to till date      | PWD, Irrigation, CPWD,<br>RSEB and several govt.<br>and private agencies       | 2005- Till<br>Date            | 10.0 | Investigat<br>or | Alone or<br>with<br>different<br>members<br>of<br>departme<br>nt | Completed |

|    |                                                                                                    |                                                                                    |                 |         |               |                                                     |           |
|----|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------|---------|---------------|-----------------------------------------------------|-----------|
| 18 | Various Road material testing covering almost all types of lab and field testing 2005 to till date | PWD, Irrigation, CPWD, RSEB, Railway, RIECO and several govt. and private agencies | 2005- Till Date | 2.0     | Investigat or | Alone or with different members of departme nt      | Completed |
| 19 | Various material testing covering almost all types of lab testing 2005 to till date                | PWD, Irrigation, CPWD, RSEB, Railway, RIECO and several govt. and private agencies | 2005- Till Date | 2.0     | Investigat or | Alone or with different members of departme nt      | Completed |
| 20 | Recommendation of SBC for RCC-CWR capacity                                                         | Ex. En., PHED, Distt. Div.(Rural), Kota                                            | 2008            | 0.25    | Investigat or | Dr. J. K. Sharma                                    | Completed |
| 21 | Design of CNS layer for various projects                                                           | Ex. En. Irrigation, Kota                                                           | 2008            | 5.0     | Investigat or | Dr. J.K. Sharma and others                          | Completed |
| 22 | Design of CNS layer                                                                                | Ex. En. Irrigation, Kota                                                           | 2009            | 0.18    | Investigat or | Dr. J.K. Sharma, Sh. C. D. Prasad                   | Completed |
| 23 | Foundation and structural design of LIG flats under Dwarkapuri Scheme at Kunhari, Kota 2009        | R.E., R.H.B. Div. Kota                                                             | 2009            | 1.51686 | Investigat or | Dr. J.K. Sharma, Sh. A. Bindlish & Dr. N.P. Kaushik | Completed |

|    |                                                                                                                                   |                                                                             |           |              |                    |                                                                                           |           |
|----|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-----------|--------------|--------------------|-------------------------------------------------------------------------------------------|-----------|
| 24 | SBC for RCC-SR at Dungarja-Umedpura Teh.-Digod 2008                                                                               | Ugresen Gupta<br>Engineers & Contractor<br>172, Dadawari<br>Extension, KOTA | 2008      | 0.14045      | Investigator<br>or | Dr. J. K.<br>Sharma                                                                       | Completed |
| 25 | Recommendation of SBC for RCC-CWR capacity 100 KL at Mandana, 2007-08                                                             | Ex. En., PHED, Distt.<br>Div.(Rural), Kota                                  | 2007-2008 | 0.14045      | Investigator<br>or | Dr. J.K.<br>Sharma                                                                        | Completed |
| 26 | SBC for RCC-OHSR at Dungarali-Morkhudana Teh.-Pipalda 2007-08                                                                     | Ugresen Gupta<br>Engineers & Contractor<br>172, Dadawari<br>Extension, KOTA | 2007-2008 | 0.14045      | Investigator<br>or | Dr. J. K.<br>Sharma                                                                       | Completed |
| 27 | Soil investigation and recommendations of safe bearing capacity for proposed earthen dam at Hindlot, Tehs.-Chhabra, Baran 2007-08 | Ex.En., Water Resource<br>Div.-II, Chhabra, Baran                           | 2007-2008 | 1.72,72<br>6 | Investigator<br>or | Dr. J.K.<br>Sharma,<br>Dr. H.D.<br>Charan,<br>Sh. A.<br>Bindlish &<br>Dr. N.P.<br>Kaushik | Completed |
| 28 | SBC & Foundation Design for Gharonda scheme, Baran 2006-07                                                                        | R.E., R.H.B., Div.I, Kota                                                   | 2006-2007 | 0.30866      | Investigator<br>or | Dr. J.K.<br>Sharma                                                                        | Completed |
| 29 | SBC at Bhawani mandi RCC-SR, 2006-07                                                                                              | Ugresen Gupta<br>Engineers & Contractor<br>172, Dadawari<br>Extension, KOTA | 2006-2007 | 0.14030      | Investigator<br>or | Dr. J. K.<br>Sharma                                                                       | Completed |
| 30 | SBC & Design of foundation for proposed site I.T.I.Building at Kherabad 2006-07                                                   | Ex. En., PWD, Dist. Div.,<br>KOTA                                           | 2006-2007 | 0.27550      | Investigator<br>or | Dr. J.K.<br>Sharma                                                                        | Completed |

|    |                                                                                   |                                               |            |         |              |                                                              |           |
|----|-----------------------------------------------------------------------------------|-----------------------------------------------|------------|---------|--------------|--------------------------------------------------------------|-----------|
| 31 | Consultancy for economical foundation design for the houses in Sunel Scheme, 2006 | R.E. RHB, DIV.III, KOTA                       | 2006       | 0.14030 | Investigator | Dr. J.K. Sharma & Mr. C.D. Prasad                            | Completed |
| 32 | Recommendation of SBC and Foundation for Gharonda SHEME, Mangrol, Baran. 2006     | Resident Engineer RHB, DIV.I, Kota            | 2006       | 0.13375 | Investigator | Dr. J. K. Sharma                                             | Completed |
| 33 | Recommendation of SBC and Foundation for EWS Houses, Chhepabarod, Baran. 22-03-05 | Resident Engineer RHB, DIV.I, Kota            | 22/03/2005 | 0.25000 | Investigator | Dr. J.K. Sharma & Mr. C.D. Prasad                            | Completed |
| 34 | Recommendation of SBC and Foundation for UIT Colony, Balita, Kota 15-10-04        | Executive Engineer, UIT, Kota.                | 15/10/2004 | 0.25000 | Investigator | Dr. J.K. Sharma & Dr. H.D. Charan                            | Completed |
| 35 | Recommendation of SBC and Foundation for Sangod & Aanwa, Kota 22-09-04            | Executive Engineer, PWD Div., Kota            | 22/09/2004 | 0.50000 | Investigator | Dr. J.K. Sharma & Dr. N.P. Kaushik                           | Completed |
| 36 | Design of CNS Layer 17-04-04                                                      | Site Engineer, Rajora Builders, Delhi         | 17/04/2004 | 0.18000 | Investigator | Dr. J.K. Sharma & Dr. H.D. Charan                            | Completed |
| 37 | Cohesive non swelling (CNS) mix design. 03-09-03                                  | Executive Engineer, Irrigation Div., Jhalawar | 03/09/2003 | 0.54000 | Investigator | Dr. J.K. Sharma, Dr. H.D. Charan, Sh. A. Bindlish & Dr. N.P. | Completed |

|    |                                                                                                |                                                                              |            |        |              |                                                                                                  |           |
|----|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------|--------|--------------|--------------------------------------------------------------------------------------------------|-----------|
|    |                                                                                                |                                                                              |            |        |              | Kaushik                                                                                          |           |
| 38 | SBC at Sultanpur<br>15-12-03                                                                   | Resident Engineer<br>RHB, DIV.II, Kota                                       | 15/12/2003 | 0.2400 | Investigator | Dr. J.K. Sharma,<br>Dr. N.P. Kaushik,<br>Dr. R.C. Mishra,<br>Dr. H.D. Charan &<br>Mr. A.Bindlish | Completed |
| 39 | Recommendation of SBC and Foundation for Overhead Reservoir at Railway Colony Kota<br>05-11-03 | Kejeriwal Construction Company, B-86 Dayanand Colony, Lajpat Nagar, N. Delhi | 05/11/2003 | 0.1200 | Investigator | Dr. J.K. Sharma,<br>Dr. N.P. Kaushik,<br>Dr. R.C. Mishra,<br>Dr. H.D. Charan &<br>Mr. A.Bindlish | Completed |
| 40 | Recommendation of SBC and Foundation for CISF Training Block, Deoli.<br>15-10-03               | A.En. CPWD CISF Campus, Deoli                                                | 15/10/2003 | 0.1200 | Investigator | Dr. J.K. Sharma,<br>Dr. N.P. Kaushik,<br>Dr. R.C. Mishra,<br>Dr. H.D. Charan &<br>Mr. A.Bindlish | Completed |

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|----|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|----------------|---------------------|-------------------------------------------------------------------------------------------------|-----------|
| 41 | <p>Recommendation of SBC and Foundation for CISF Training Block, Deoli.</p> <p>20-05-03</p>                       | <p>A.En. CPWD CISF</p> <p>CAMPUS, Deoli</p>           | <p>20/05/2003</p> | <p>0.25000</p> | <p>Investigator</p> | <p>Dr. J.K. Sharma, Dr. N.P. Kaushik, Dr. R.C. Mishra, Dr. H.D. Charan &amp; Mr. A.Bindlish</p> | Completed |
| 42 | <p>Recommendation of SBC and Foundation for Itawah, Sultanpur, Khairabad, distt.</p> <p>Kota.</p> <p>31-01-03</p> | <p>District Project Co-ordinator, DPEP, Kota.</p>     | <p>31/01/2003</p> | <p>0.75000</p> | <p>Investigator</p> | <p>Dr. J.K. Sharma, Dr. N.P. Kaushik, Dr. R.C. Mishra &amp; Dr. R.C. Gaur</p>                   | Completed |
| 43 | <p>Cracks in school building chhoti, block kotri, Bhilwara</p> <p>14-08-02</p>                                    | <p>District Project Co-ordinator, DPEP, Bhilwara.</p> | <p>14/08/2002</p> | <p>0.06500</p> | <p>Investigator</p> | <p>Dr. J.K. Sharma, Dr. O.P. Chhanagani &amp; Dr. M.L. Kalawar</p>                              | Completed |
| 44 | <p>Cohesive non swelling (CNS) mix design. 25-09-02</p>                                                           | <p>Executive Engineer, Irrigation Div., Jhalawar</p>  | <p>25/09/2002</p> | <p>0.36000</p> | <p>Investigator</p> | <p>Dr. J.K. Sharma, Dr. H.D. Charan &amp; Dr. R.C. Mishra</p>                                   | Completed |

|    |                                                                                                             |                                                         |            |         |              |                                                                     |           |
|----|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------|---------|--------------|---------------------------------------------------------------------|-----------|
| 45 | Recommendation of SBC and Foundation for Nari-Niketan Building, Nanta, Kota.<br>21-10-02                    | Executive Engineer, PWDCity Div., Kota.                 | 21/10/2002 | 0.12000 | Investigator | Dr. J.K. Sharma & Dr. N. P. Kaushik                                 | Completed |
| 46 | Recommendation of SBC and Foundation for Overhead Reservoir at Professor Colony, Nayapura, Kota<br>16-04-02 | Executive Engineer, PHED distribution, Sub-Div.-I, Kota | 16/04/2002 | 0.25000 | Investigator | Dr. J.K. Sharma                                                     | Completed |
| 47 | Design of Foundation for School Building, Sangod, Kota.<br>24-01-02                                         | District Project Co-ordinator, DPEP, Kota.              | 24/01/2002 | 0.25000 | Investigator | Dr. J.K. Sharma & Dr. H.D. Charan                                   | Completed |
| 48 | Recommendation of SBC for plateform of railway track-simulated weighing machine.<br>17-08-2001              | Mangalam Cement Works, Morrak                           | 17/08/2001 | 0.15000 | Investigator | Dr. J.K. Sharma & Dr. N. P. Kaushik                                 | Completed |
| 49 | Recommendation of SBC & Desgin of foundation for Kendriya Vidyalaya, Khairabad, Kota<br>16-02-2000          | A.En., CPWD, Kota                                       | 16/02/2000 | 0.80000 | Investigator | Dr. J.K. Sharma, Dr. H.D. Charan, Mr. A. Bindlish & Mr. C.D. Prasad | Completed |
| 50 | Design of underground conduits, 1996                                                                        | MetChem Inc.Canada                                      | 1996       | 0.15000 | Investigator | Dr. S. C. Sharada & Dr. J. K. Sharma                                | Completed |

## 11. HONORS/AWARDS & FELLOWSHIPS FOR OUTSTANDING WORK:

- **4<sup>th</sup> position** at high-school level in **District Etawah (UP) in 1982.**
- Gold-medal at intermediate level for getting **1<sup>st</sup> position in District Etawah (UP) in 1984.**
- **Third position** overall in **B. Tech. (civil) in HBTI in 1988.**
- **Overall Topper** of **M. Tech. at R. E. C. Kurukshetra in 1989.**
- **Highest grade point** at **I. I. T. Kanpur in Ph. D** during course-work in 1996.
- **National Scholarship** during school level and undergraduate-level in 1984-1988.
- **Merit scholarship** at undergraduate level in 1984-1988.
- **GATE scholarship** for M. Tech in 1988-1990.
- **QIP scholarship** for Ph.D in 1996-1999.
- Selected as a **Young Geotechnical Engineer** from India to contribute in **“International Conference on Geotechnical Challenges for Young Geotechnical Engineers”** to be held at **University of Southampton, U. K in 2000.**
- **IGS-Prof. Dinesh Mohan Biennial Prize** for the Best Paper on **“Pile Foundation”** entitled **“Granular Pile Groups – An Interaction Analysis in 1997 at MS University Vadodara.**

**Reviewer** – Arabian Journal of Science and Engineering (**SPRINGER**), Indian Geotechnical Journal (**SPRINGER**) and Results in Engineering (**ELSEVIER**) & others time to time.

### **Professional Affiliation –**

|                  |   |                                                                           |
|------------------|---|---------------------------------------------------------------------------|
| Associate Member | : | Institution of Engineers (India)                                          |
| Life Membership  | : | Indian Geotechnical Society                                               |
|                  |   | International Society of Soil Mechanics and Foundation Engg.(1997 – 2000) |
|                  |   | Indian Society for Technical Education                                    |
| Membership       | : | Indian Grade Drawing, Maharashtra                                         |

**12. NO. OF RESEARCH SCHOLARS SUCESSFULLY GUIDED:**

**A. Doctorate of Philosophy (Ph.D.)** – Three have completed, One has submitted and at presently seven students are pursuing thesis, few of them are below:

| S. No. | Thesis Title                                                                                   | Institute                            | Role       | Total No. of Co-Supervisor | Students Name         | Date       | Status    |
|--------|------------------------------------------------------------------------------------------------|--------------------------------------|------------|----------------------------|-----------------------|------------|-----------|
| 1      | Analysis of Single Granular Pile With Stiffened Top                                            | Rajasthan Technical University Kota  | Supervisor | 0                          | Prof.K.S.Grover       | 20-06-2015 | Awarded   |
| 2      | Non-Linear Analysis and Settlement of Floating and End Bearing Granular Pile                   | Rajasthan Technical University Kota  | Supervisor | 0                          | Pooja Gupta           | 07-06-2018 | Awarded   |
| 3      | Analysis and Settlement of Group of Partially Stiffened Floating and End Bearing Granular Pile | Rajasthan Technical University Kota  | Supervisor | 0                          | Vaibhaw Garg          | 24-09-2018 | Awarded   |
| 4      | Analysis of Stiffened Granular Pile With Raft                                                  | Rajasthan Technical University, Kota | Supervisor | 0                          | Raksha Rani Sanadhaya | 14-08-2019 | Submitted |
| 5      | Experimental investigation and model study of reinforced earth beds with different             | Rajasthan Technical University, Kota | Supervisor | 1                          | Sanjeev Jain          | -          | Pursuing  |

|           |                                                                                                          |                                             |                   |          |                          |          |                 |
|-----------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------|----------|--------------------------|----------|-----------------|
|           | <b>type of footings</b>                                                                                  |                                             |                   |          |                          |          |                 |
| <b>6</b>  | <b>Settlement and analysis of flexible or shear loading with stiffened and unstiffened Granular Pile</b> | <b>Rajasthan Technical University, Kota</b> | <b>Supervisor</b> | <b>0</b> | <b>Himanshu Gupta</b>    | <b>-</b> | <b>Pursuing</b> |
| <b>7</b>  | <b>Experimental investigation of expansive soil mixed with kota stone slurry and fly ash</b>             | <b>Rajasthan Technical University, Kota</b> | <b>Supervisor</b> | <b>1</b> | <b>Dayanand Tak</b>      | <b>-</b> | <b>Pursuing</b> |
| <b>8</b>  | <b>Analysis and settlement of different shapes of piles.</b>                                             | <b>Rajasthan Technical University, Kota</b> | <b>Supervisor</b> | <b>1</b> | <b>Ravikant Sathe</b>    | <b>-</b> | <b>Pursuing</b> |
| <b>9</b>  | <b>Stress dependent Non-Linear Analysis of Granular Pile.</b>                                            | <b>Rajasthan Technical University, Kota</b> | <b>Supervisor</b> | <b>0</b> | <b>Deepak Pathak</b>     | <b>-</b> | <b>Pursuing</b> |
| <b>10</b> | <b>Settlement Analysis of Annular Stiffened Granular Piled Rigid Raft.</b>                               | <b>Rajasthan Technical University, Kota</b> | <b>Supervisor</b> | <b>0</b> | <b>Ajay Pratap Singh</b> | <b>-</b> | <b>Pursuing</b> |
| <b>11</b> | <b>Interaction Analysis of Stiffened Granular Piled Raft.</b>                                            | <b>Rajasthan Technical University, Kota</b> | <b>Supervisor</b> | <b>0</b> | <b>Ashish Solanki</b>    | <b>-</b> | <b>Pursuing</b> |

**B. Masters of Technology (M.Tech.)** - Approximate more than 14 completed and at presently three students are pursuing thesis, few of them are below:

| <b>Title of Dissertation</b>                                                                                                                | <b>Name of Student</b>      | <b>Pass out Year</b> |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------|
| <b>Geosynthetic Filter, Design Criteria and Case Study Chambal Command Area Subsurface Drainage Project</b>                                 | <b>Anil Sharma</b>          | <b>2003</b>          |
| <b>Settlement Analysis of Annular Raft Foundation</b>                                                                                       | <b>Pooja Gupta</b>          | <b>2012</b>          |
| <b>Analysis and Computer Aided Design for Settlement of Soft Soil Reinforced with Stone Column Overlying Granular Pad with Geosynthetic</b> | <b>Himanshu Gupta</b>       | <b>2012</b>          |
| <b>Analysis of End Bearing Granular Piles</b>                                                                                               | <b>Shikha Johari</b>        | <b>2012</b>          |
| <b>A Study and Analytical Analysis of Load Test Stone Column</b>                                                                            | <b>Kritesh Chauhan</b>      | <b>2017</b>          |
| <b>Modified Textural and Analytical Soil Classification</b>                                                                                 | <b>Jitendra Khatti</b>      | <b>2017</b>          |
| <b>A Study the Effect of Inclusion of Marble Dust and Coir Fiber on the Behavior of Expansive Soil</b>                                      | <b>Nidhi Gautam</b>         | <b>2018</b>          |
| <b>Effect of Water Borne Polymer on Geotechnical Properties of Black Cotton Soil</b>                                                        | <b>Deepak Pathak</b>        | <b>2018</b>          |
| <b>Stabilization of Expansive Soil Using Egg Shell Powder and Kota Stone Dust</b>                                                           | <b>Neha Chaudhary</b>       | <b>2019</b>          |
| <b>Design of Mat Foundation for Four Coupled Columns by Developing Program in Microsoft Excel</b>                                           | <b>Asheesh Kabra</b>        | <b>2019</b>          |
| <b>Stabilization of Expansive Soil Using Brick Powder and Kota Stone Slurry</b>                                                             | <b>Amisha Pareek</b>        | <b>2019</b>          |
| <b>An Experimental Study of Performance Evaluation of Expansive Soil with Addition of Animal Bone Mix</b>                                   | <b>Abdul Shahid Qureshi</b> | <b>2019</b>          |
| <b>Performance Evaluation of Expansive Soil with the Use of Terra-Enzyme</b>                                                                | <b>Abhisek Tiwari</b>       | <b>2019</b>          |
| <b>Experimental Investigation of Expansive Soil with Waste Plastics and Stone Dust</b>                                                      | <b>Mahesh Sharma</b>        | <b>2019</b>          |

**C. Bachelors of Technology (B.Tech.)** - Numerous numbers of projects completed and at present two projects are under Supervision, few are below:

| <b>Title of Project Report</b>                                                               | <b>Pass Out Year</b> |
|----------------------------------------------------------------------------------------------|----------------------|
| <b>Computer Aided Design of Raft Foundation</b>                                              | <b>2001</b>          |
| <b>Study of Expansive Soil with Fly Ash</b>                                                  | <b>2002</b>          |
| <b>Evaluation of Soil Profile of Kota City</b>                                               | <b>2003</b>          |
| <b>Design and Development of Software for Mat Foundation</b>                                 | <b>2004</b>          |
| <b>Study of Expansive Soil in Kota City</b>                                                  | <b>2006</b>          |
| <b>Design of Foundation for Overhead Water Reservoir</b>                                     | <b>2008</b>          |
| <b>Design of Water Treatment Plants of Different Capacities for Kota City.</b>               | <b>2009</b>          |
| <b>Software Development for Design of Mat Foundation</b>                                     | <b>2011</b>          |
| <b>Effect of Lime and Fly Ash on the Index and Engineering Properties of Expansive Soil.</b> | <b>2012</b>          |
| <b>Evaluation of Bearing Capacity and Design of Foundation for Site Selected in Kota.</b>    | <b>2013</b>          |
| <b>Bearing Capacity Determination and Use of Data for Foundation Design</b>                  | <b>2014</b>          |

### **13. STRENGTHS:**

- I am young as I am 52 years of age
- Positive thinking
- Optimistic and Result oriented planning
- Believe in Team work
- Wish to contribute in the field of education
- “Nation First” is my policy hence my priority is to produce the “Global” leaders in terms of students & faculties
- Academic Exposure of different adjoining north states of India such as UP, Haryana and Rajasthan
- Exposure of state college such as Harcourt Butler Technical Institute, Kanpur (UP) & Engineering college, Kota (Rajasthan), Central college such as Regional Engineering College, Kurukshetra (Haryana), Institute of national eminence such as IIT Kanpur (UP) and State University such as Rajasthan Technical University, Kota.

- Experience of dealing all levels of student such as undergraduate, Post Graduate and Research scholar and well aware and conversant with their needs, demands and problems.

**14. DETAILS OF REFEREES:**

| S. No. | Name of the Referee     | Designation                                                                                          | Address                                                           | Mobile                         | Email                                        |
|--------|-------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|--------------------------------|----------------------------------------------|
| 1      | Prof. M. R. Madhav      | Visiting Prof, IIT, Hyderabad, Prof. Emeritus, JNT University, Retired Prof. IIT, Kanpur             | 159 Road No. 10, Banjara Hills, Hyderabad 500034                  | 986622858                      | madhavmr@gmail.com                           |
| 2      | Dr. Sanjay Kumar Shukla | Program Leader, Discipline of Civil and Environmental Engg., School of Engineering, Perth, Australia | 270, Joondalup Drive, Joondalup, Perth, Perth, WA 6027, Australia | +61-404453485                  | s.shukla@ecu.edu.au                          |
| 3      | Prof. Sarvesh Chandra   | Visiting Prof, IIT, Gandhinagar, Retired Prof. IIT, Kanpur                                           | Dept. of Civil Engg. IIT, Gandhinagar                             | +91-7900644620, +91-9450008860 | sarvesh.chandra@iitgn.ac.in, sarv@iitk.ac.in |
| 4      | Prof. N.P. Kaushik      | Ex. V.C. Rajasthan Technical University, Kota                                                        | Elanza, Shreenathpuram, Kota-324010                               | +91-9414515676                 | npkaushik@rtu.ac.in                          |

|    |                      |                                                                   |                                                     |                |                            |
|----|----------------------|-------------------------------------------------------------------|-----------------------------------------------------|----------------|----------------------------|
| 5  | Prof. Vinay Pathak   | V.C. APJ Abul Kalaam State Technical University, Lucknow          | APJ Abul Kalaam State Technical University, Lucknow | +91-9414189254 | vinaypathak.hbti@gmail.com |
| 6. | Prof. N.K. Samadhiya | Professor, Civil Engineering Department IIT, Roorkee, Uttarakhand | Dept. of Civil Engg. IIT, Roorkee                   | +91-9412073058 | samadhiyank@gmail.com      |