

**GHARDA FOUNDATION'S  
GHARDA INSTITUTE OF TECHNOLOGY**

**FACULTY PROFILE**

**of**

**Prof. Mr. Sandeep Chudaramji Munghate**

**(Department of Electronics & Telecommunication)**



## PERSONAL PROFILE

|  |   |   |
|--|---|---|
| Full Name  | : | Sandeep C. Munghate   |
| Highest Educational Qualification                          | : | B.E. (Electronics)<br>M. Tech.<br>( Energy Management System)<br>Ph. D. Appeared ( Electronics & Communication) |
| Permanent address  | : | GIT Staff Qtr. No.11<br>"pratapgad", At Post Level Tal<br>Khed Dist Ratnagiri-415708                            |
| Contact telephone numbers                                  | : | 9552651607  |
| E-mail id  | : | scmunghate@git-<br>india.edu.in   |
| Current designation  | : | Assistant Professor   |
| No. of Research papers                                     | : | 4   |
| Books published  | : | ---   |
| Number of Conferences<br>/ Workshops / STTPs conducted     | : | --  |
| Number of Conferences / Workshops / STTPs<br>attended /FDP | : | 26 STTP/ Workshop   |
| Syllabus workshops   | : | 10 (Orientation Program)  |
| MOOC Courses   | : | 8   |

## EDUCATIONAL QUALIFICATION

| Degree   | Specialization                | Year of passing | Institute/University                | Percentage |
|----------|-------------------------------|-----------------|-------------------------------------|------------|
| B. E.    | Electronics                   | 1999            | B.D. Deshmukh COE Sewagram / Nagpur | 62.82      |
| M. Tech. | Energy Management System      | 2008            | Nagpur                              | 70.72      |
| Ph. D.   | Electronics and Communication | Appeared        | VELTECH University                  |            |

## RECOGNITIONS / APPRECIATIONS RECEIVED

| Sr. No. | Title | Awarded by | Date | Remarks |
|---------|-------|------------|------|---------|
| -----   |       |            |      |         |

## RESEARCH PAPER(S) /BOOKS PUBLISHED

### PAPERS PUBLISHED IN REFERRED JOURNALS

| Publication   | Title of paper   | Year of Publication |
|---|--|---------------------|
| International Journal of Engineering and computer science, Volume 4                           | " Improving Return Loss of Microstrip Patch antenna using AMC,           | Issue 3 March 2015  |
| IJIFR 19 issue  | "A Study of Three Dimentional FinFET Source/Drain Structure",            | March 2015          |
| 2 <sup>nd</sup> International conference on IoT based control network and Intelligent system. | Handwriting based personality analysis: an image processing based tool s | 28/29 June 2021     |

## PAPER PRESENTED AT CONFERENCES (National/International)

| Sr. No. | Conference  | Title  | National/ International | Location      | Year                 |
|---------|---|--|-------------------------|---------------|----------------------|
| 1.      | 1st International conference on MAPPING EXCELLENCE POLICIES FOR INDIA, , 30 and 31 March 2012 | "Outcome based Teaching: A revolutionary approach in new era of modern engineering education system" | International           | RIT sakharale | 30 and 31 March 2012 |

### BOOK PUBLISHED

| Name of the Book | Publisher | ISBN No. | Year |
|------------------|-----------|----------|------|
| -----            |           |          |      |

### NATIONAL AND INTERNATIONAL CONFERENCES / WORKSHOPS / STTPS CONDUCTED / ATTENDED TECHNICAL WORKSHOP/STTP/SEMINARS

| Sr. No. | Name of the course  | Place                                   | Duration                |
|---------|---|---|-------------------------|
| 1       | Two week ISTE workshop on "Analog Electronics",   | Online, , IIT Kharagpur,                | 4 June to 14 June 2013  |
| 2       | Two week ISTE workshop on "Control System", , IIT Kharagpur,                            | Online, , IIT Kharagpur,                | 2 Dec to 12 Dec 2014    |
| 3       | Two week ISTE workshop on "Computer Network",   | Online, IIT, Bombay,                    | 28 May to 29 June 2014  |
| 4       | Two week ISTE workshop on "Signal and System",  | Online, , IIT Kharagpur,                | 2 Jan to 12 Jan 2014    |
| 5       | One week ISTE workshop on "Application Specific Software in Communication Engineering", | Gharda Institute of Technology, Lavel , | 5 May to 9 May 2015     |
| 6       | Two week ISTE workshop on "Electric Power System",                                      | Online, , IIT Kharagpur,                | 12 June to 15 July 2017 |
| 7       | Two week ISTE workshop on "CMOS, Mixed Signal and Radio Frequency VLSI Design", ,       | Online, , IIT Kharagpur,                | 30 Jan to 4 Feb 2017    |

|    |  |  |                              |
|----|--|--|------------------------------|
| 8  | Two Week FDP on "Foundation Program in ICT for Education (FDP101x),                      | Online, IIT, Bombay,   | 3 Aug 2017 to 7 Sept 2017    |
| 9  | Two Week FDP on "Pedagogy for Online and Blended Teaching -Learning Process (FDP201x)    | Online, IIT, Bombay,   | 17 Spet 2017 to 12 Oct 2017  |
| 10 | 1 Week FDP on "Embedded System Design"   | NPTEL AICTE,   | Jan-Mar 2019                 |
| 11 | 1.5 Week FDP on "Principles of Human Resource Management",                               | NPTEL AICTE  | July- Oct 2019               |
| 12 | 1.5 Week FDP on "Introduction To Internet Of Things"                                     | NPTEL AICTE,   | July- Oct 2019               |
| 13 | 1 week FDP on "BOSS-LINUX- UBUNTU OS"  | Online, Karmavir Bhaurao Patil College Of Engineering, Satara  | 15 April to 23 April 2020,   |
| 14 | 1 Week FDP on "Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020)"    | Online, Government College Of Engineering, Karad   | 26 May to 30 May 2020,       |
| 15 | 1 Week FDP on "Python", ,  | Online, SKN Sinhgad College Of Engineering, Pandharpur, Maharashtra In Association With Spoken Tutorial IIT Bombay | 18 May to 23 May 2020        |
| 16 | 2 week FDP on "E-Learning Resource Creation- A Beginning Towards New Era Of E-Learning", | D. Y. Patil College of Engineering & Technology, Kolhapur  | 8 June to 20 June 2020       |
| 17 | 3 day STTP on "Latex For Everyone"   | Online, Ramrao Adik Institute Of Technology, Nerul, Mumbai,  | 18 June to 20 June 2020      |
| 18 | 5 Days STTP on "MATLAB Based Teaching Learning In Mathematics, Science & Engineering",   | Online, Ramrao Adik Institute Of Technology, Nerul, Mumbai   | 18 to 22 May 2020            |
| 19 | Research Funding Project and IPR   | K. C. college of engineering and management studies & research, Thane  | 7-9 June 2021<br>(1 Week)    |
| 20 | Research Methods in Science, Engineering & Technology (RMSET)                            | VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING MOHILI-AGHAI, SHAHAPUR, THANE   | May 2 - 6, 2021.<br>(1 Week) |
| 21 | Electric Vehicles  | Vivekanand Education Society's Institute of Technology. ATAL   | 2021-07-05 to 2021-07-09     |

|    |  |  |                                      |
|----|--|--|--------------------------------------|
|    |  | Academy  | (1 Week)                             |
| 22 | "IoT: A Journey from Sensor to Server  | A. P. Shah Institute of Technology, ATAL Academy                     | 04/01/2022 to 08/01/2022<br>(1 Week) |
| 23 | "Reliability and Security of VLSI Circuits & Systems for IoT   | Indian Institute of Technology Jammu, ATAL Academy                   | 02/08/2021 to 06/08/2021<br>(1 Week) |
| 24 | "Understanding AI and ML from scratch  | Gharda Institute of Technology, Lavel, Computer Society of India.    | 27th Dec - 31st Dec 2021<br>(1 week) |
| 25 | AI/ML and Data Science for Industry 4.0 ( Basic Level)   | Gharda Institute of Technology in Association with NITTTR Chandigarh | 21/08/2023 to 25/08/2023 (One Week)  |
| 26 | "Emerging Significance of Artificial Intelligence in Biomedical, Industry 5.0,Cyber Security & Data Forensics" | Maharshi Parshuram College of Engineering                            | 26th to 31st August, 2024,           |

### MOOC Courses Completed

| Sr. No. | Title of Course                        | Organising Agency | Duration                      |
|---------|--|-------------------|-------------------------------|
| 1.      | Introduction to Research               | NPTEL             | July – Sept 2017              |
| 2       | Embedded System design with ARM7       | NPTEL             | Jan- March-2019               |
| 3       | Principle of Human Resource Management | NPTEL             | Jan- March-2019               |
| 4       | Introduction to Internet of Things     | NPTEL             | July – OCT 2019<br>(1.5 Week) |

|   |  |   |              |
|---|--|---|--------------|
| 5 | Introduction to the Internet of Things and Embedded Systems  | Coursera                                      | Aug 29, 2020 |
| 6 | The Arduino Platform and C Programming                       | Coursera                                      | Aug 29, 2020 |
| 7 | Interfacing with the Arduino                                 | Coursera                                      | Aug 29, 2020 |
| 8 | 50 days Online Crash Course on Embedded System and Robotics, | e-Yantra Resource Development Center (eYRDC). | 50 Days      |

**CONTRIBUTIONS AT UNIVERSITY LEVEL:  
SYLLABUS WORKSHOPS (Orientation Program)**

| Sr. No. | Year  | Name of the college  | Duration        | Role Played                 |
|---------|---|--|-----------------|-----------------------------|
| 1.      | "Electronic Instrumentation and Control systems (ECC305+ECL303)", Rev 2019 'C' Scheme       | Vivekanand Education Society's Institute of Technology, Chembur, on behalf of University of Mumbai         | 10/07/2020.     | Participant                 |
| 2.      | "Mini Project 1 a (ECM301)"   | "Lokmanya Tilak College of Engineering, Kopar Khairane, Navi Mumbai" on behalf of University of Mumbai     | 13th July 2020. | Participant                 |
| 3.      | "Network Theory (ECC 304)", Rev 2019 'C' Scheme   | St. John College of Engineering & Management, Palghar, on behalf of University of Mumbai                   | 11th July 2020. | Participant                 |
| 4.      | "Digital System Design (ECC303)" & "Digital System Design Lab (ECL302)" Rev 2019 'C' Scheme | K. C. College of Engineering & Management Studies & Research, Thane (E), on behalf of University of Mumbai | 6th July 2020.  | Participant                 |
| 6       | "Linear Integrated Circuits   | Vivekanand Education Society's Institute of Technology   | 9 th Feb 2021.  | "Linear Integrated Circuits |

|    |  |   |                     |  |
|----|--|---|---------------------|--|
|    |  | ,Chembur,   |                     |  |
| 7  | "Microcontrollers                        | Jawahar Education Society's, A. C. Patil College of Engineering, Kharghar, Navi Mumba | 20th February 2021. | "Microcontrollers                        |
| 8  | Principles of Communication Engineering  | MCT's Rajiv Gandhi Institute of Technology, Mumbai,                                   | 15th February 2021. | Principles of Communication Engineering  |
| 9  | Digital Communication                    | SIES, Graduate school of Technology, Mumbai   | 07/07/2021.         | Digital Communication                    |
| 10 | Mini-Project 2A :Embedded System Project | A. P. Shah Institute of Technology, Thane   | 15th July 2021.     | Mini-Project 2A :Embedded System Project |

### SPECIAL EFFORTS TAKEN IN IMPROVING TEACHING-LEARNING PROCESS

| Sr. No. | Name of the Course | Place | Duration |
|---------|--------------------|-------|----------|
|         |                    |       |          |

### WORKED AS EXAMINER / CHAIRMAN/ FOR BOARD OF STUDIES

| Sr. No. | Name of the Course | Place | Duration |
|---------|--------------------|-------|----------|
|         |                    |       |          |
|         |                    |       |          |

### MEMBERSHIP OF PROFESSIONAL BODIES

| Sr. No. | Professional Body | Nature of Membership | Date |
|---------|-------------------|----------------------|------|
| 1.      | ISTE              | Life Time            |      |



## EXTRA CURRICULAR ACTIVITIES / ORGANISING COMMITTEE

### EXTRA CURRICULAR ACTIVITIES

| Sr. No. | Name of the activity | Name of College | Date | Played |
|---------|----------------------|-----------------|------|--------|
|         |                      |                 |      |        |

### ORGANISING COMMITTEE

| Sr. No. | Name of the activity | Name of College | Duration |
|---------|----------------------|-----------------|----------|
| 1.      |                      |                 |          |
|         |                      |                 |          |

### WORKED AS RESOURCE PERSON: TAUGHT SUBJECTS & WORKED AS JUDGE

| Sr. No. | Year | Subject | Name of College | Duration |
|---------|------|---------|-----------------|----------|
| 1.      |      |         |                 |          |
|         |      |         |                 |          |

### ANY OTHER SIGNIFICANT INFORMATION

1. Worked as Controller of Examination
2. Head of Department
3. Hostel Warden
4. Registrar

Prof. Mr. Munghate Sandeep C.

