



## **CHANDAN TAMRAKAR**

### **Assistant Professor**

Department of Electronics & Communication Engineering,  
School of Studies of Engineering & Technology  
Guru Ghasidas Vishwavidyalaya (A Central University)  
Bilaspur, Chhattisgarh

**E-Mail:** [chandan.t89@ggu.ac.in](mailto:chandan.t89@ggu.ac.in), [chadnan.elex@gmail.com](mailto:chadnan.elex@gmail.com),

**Mobile No:** 9981237678

**Webpage:** <https://ggu.ac.in/Department-Staff.aspx>

---

## **EDUCATIONAL QUALIFICATION**

- **M. Tech. in E & TC (Communication)** from Chhattisgarh Swami Vivekanand Technical University, Bhilai in the year 2015
- **B.E. (ET & T)** from Chhattisgarh Swami Vivekanand Technical University, Bhilai in the year 2010.
- **12<sup>th</sup> Standard** from Chhattisgarh Board of Secondary Education in the year 2006
- **10<sup>th</sup> Standard** from Chhattisgarh Board of Secondary Education in the year 2004.

## **AREA OF INTEREST/ SPECIALIZATION**

- Communication & Signal Processing
- Biomedical Signal Processing (ECG Signal)

## **EXPERIENCE**

- Assistant Professor (Regular Appointment) in the Deptt. of Electronics & Communication Engineering, Guru Ghasidas Vishwavidyalaya (Central University), Bilaspur (C.G.) from **February -2020 to till now.**
- Assistant Professor (Ad-hoc) in the Deptt. of Electronics & Communication Engineering, Guru Ghasidas Vishwavidyalaya (Central University), Bilaspur (C.G.) from **July-2018 to Jan-2019**, from **Jan-2019 to Jun-2019** and **July-2019 to Dec-2019.**
- Assistant Professor (Ad-hoc) in Govt.V.Y.T. PG. AUTO. College Durg from **Sep-2011 to Apr-2012**, **Aug- 2012 to Feb-2013**, **Aug – 2016 to Apr- 2017 & July – 2017 to Apr- 2018.**
- Assistant Professor in the Deptt. of Electronics & Telecommunication Engineering, SUN Engineering College Durg, from **July-2013 to April-2015.**

## **AWARD AND HONORS**

- Qualified for **Junior Research Fellowship (JRF)** and Eligibility for **Assistant Professor** in the National Eligibility Test (UGC-NET) conducted in December 2018 and Eligibility for **Assistant Professor** only in December 2015 in the subject “**Electronics Science**”.
- Qualified **GATE** Examination 2011.

## ADMINISTRATIVE RESPONSIBILITIES

### ➤ University Level / Institute Level

- **Committee Member** Spot Counseling B. Tech. Admission -2020 Document Verification.
- **Programme Officer** National Service Scheme (NSS), School of Engineering & Technology Unit.
- **Seat Allocation and Merit List Preparation Committee Member** Spot Counseling B. Tech. Admission -2021.
- **Member** of Renewable Energy club in School of Studies in Engineering & Technology, Guru Ghasidas Vishwavidyalaya Bilaspur (C.G.)

### ➤ Department Level

- **In-charge** Departmental Monthly Report Preparation for Session: 2020-21.
- **Co-In-charge** Departmental Tri Party MoU Report Preparation for Session: 2020-21.
- **Criteria In-charge** Departmental NBA- “Student Performance” for Session: 2020-21.
- **Class In-Change** 1st Year for Session: 2021-22.
- **In-charge NAAC/AQAR/SSR** related work from December 2021.
- **Member** OBC representative MTech/PhD Admission Committee for the session 2021-22.

## PAPER PRESENTED & PAPER PUBLISHED

- **Chandan Tamrakar** (2019), Presented a Research paper “*Role of New Era of Computational Science and Engineering for Human Heart Monitoring*” National Interdisciplinary Research Seminar cum Conference on Recent Trends and development in science for humanity, Organized by Govt. E. Raghvendra Rao Postgraduate Science College, Bilaspur (C.G.) Sponsored by Chhattisgarh Council of Science & Technology, Raipur (C.G.) on January 13th - 14th, 2019.
- **Chandan Tamrakar** (2015). “*Detection of Rpeak Index and Characterization of QRS Complex of the ECG Signal using Virtual Instruments of Lab VIEW*”. International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-5 Issue-1, pp.-64-68.
- **Chandan Tamrakar** (2014). “*A novel mathematical ECG signal analysis approach for features extraction using LabVIEW*”. i-manager’s Journal on Digital Signal Processing, 2(3), Jul-Sep 2014, Print ISSN 2321-7480, E-ISSN 2322-0368, pp.14-21

## ADDITIONAL INFORMATION

### ➤ Lecture Delivered

- Delivered a Lecture in **B.Tech. Student Induction Program 2021-22** on the Topic: “**Incorporating Human Values in education: Realising the aspirations of NEP 2020**” organized by School of Engineering and Technology Guru Ghasidas Vishwavidyalaya Bilaspur on 23/12/2021.

➤ **Program Organized**

- One-week online seminar on “**Current Trends in Engineering Projects**” organized from 25.11.2020 to 29.11.2020 as a Member of Organizing committee.
- One Day Webinar on “**National Education Policy (NEP)-2020**” Organized by SoS Engineering & Technology, Department of Management & Department of Computer Science and Information Technology Guru Ghasidas Vishwavidyalaya Bilaspur on 03/09/2021 as an organizing team Member
- One week ATAL FDP on “**Devices for Modern Wireless Communication System**” organized from 20.09.2021 to 24.09.2021 as a Co-Coordinator.
- One day Workshop on “**National Education Policy-2020**” held on 18/12/2022 as an organizing team Member
- One Day Workshop on “**Recent Development in Renewable Energy**”, organized by Renewable Energy Club, School of Studies of Engineering and Technology, Guru Ghasidas Vishwavidyalaya Bilaspur on January 27, 2022 as a Co-Coordinator.

➤ **Workshop/ Faculty Development Program/ faculty Induction Program Attended**

<b>S. No.</b>	<b>Topic</b>	<b>Workshop / FDP / Training / Induction Program</b>	<b>Duration</b>	<b>Organized By</b>
<b>1</b>	“Basics of MATLAB and Its Engineering Applications”	Workshop	<b>Two days</b> (21.05.2020 to 22.05.2020 )	(Through Online Mode) Department of Mechanical Engineering PES’s Modern College of Engineering, Pune
<b>2</b>	“LaTeX”	Faculty Development Program (FDP)	<b>One Week</b> (01.06.2020 to 07.06.2020)	(Through Online Mode) Department of Civil Engineering, Shri Vile Parle Kelavani Mandal’s Institute of Technology, Dhule in association with Spoken Tutorial, “Indian Institute of Technology Bombay”
<b>3</b>	Intensive Training on “Nanoelectronics - Researches and Challenges”	Training	<b>Three days</b> (01.07.2020 to 03.07.2020)	(Through Online Mode) Thermodyn Edutech Chennai, Tamil Nadu, India
<b>4</b>	One Week International Workshop on “Matamaterial & its Application”	Workshop	<b>One Week</b> (27.07.2020 to 31.07.2020)	(Through Online Mode) IEEE Antenna & Propagation Society (APS) Chapter – Jaipur, MNIT Jiapur and Govt. Woman Engg. College, Ajmer)
<b>5.</b>	Faculty Development Program on “Recent Trends in Antennas	Faculty Development Program (FDP)	<b>One Week</b> (07.09.2020 to 12.09.2020)	(Through Online Mode) Organized by IEEE Antennas & Propagation society (Madras Section) in association with Sathyabama Institute of Science and Technology, Chennai

6	Tools and scientific communications for research Article and proposal writing	Faculty Development Program (FDP) (TEQIP III Sponsored)	<b>One Week</b> (19.09.2020 to 23.09.2020)	(Through Online Mode) Organized by Department of Mechanical Engineering held at GBPIET, Pauri
7	Data Sciences	ATAL (AICTE) Faculty Development Program (FDP)	<b>One Week</b> (12.10.2020 to 16.10.2020)	(Through Online Mode) School of Studies in Engineering and Technology Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (C.G.)
8	Wearable Device	ATAL (AICTE) Faculty Development Program (FDP)	<b>One Week</b> (16.11.2020 to 20.11.2020)	(Through Online Mode) Thapar Institute of Engineering and Technology, Patiala.
9	Wearable Device	ATAL (AICTE) Faculty Development Program (FDP)	<b>One Week</b> (30.11.2020 to 04.12.2020)	(Through Online Mode) Department of Electronics & Communication Engineering Sri Ramakrishna Institute of Technology Pachapalayam (Post), Perur Chettipalayam, Coimbatore - 641 010, INDIA
10.	Online FDP on "Photonics"	AICTE Training And Learning (ATAL) Academy	18-01-2021 to 22-01-2021	Conducted Online by Department of Physics, CU Jharkhand
11.	UGC-SPONSORED "GURU DAKSHTA" FACULTY INDUCTION PROGRAMME (FIP)	UGC-SPONSORED	15/02/2021 to 17/03/2021	(Through Online Mode)
12	Orientation/ Refresher Programme on "Industrial Application of MATLAB"	AICTE-ISTE	08/04/2021 to 14/04/2021	(Through Online Mode) Organized by Ojaswini Institute of Management & Technology, Damoh, Madhya Pradesh
13	AICTE-ISTE approved Orientation/Refresher Program on "Emerging Trends in Networks & IOT"	AICTE-ISTE	16/04/2021 to 22/04/2021	(Through Online Mode) Infinity Management and Engineering College (IMEC), Sagar, M.P.
14	Short Term Course on Nanotechnology: Development and Challenges	AICTE	17/05/2021 to 21/05/2021	(Through Online Mode) NITTTR, Chandigarh
15	Workshop on AICTE Incorporating Universal Human Values in Education (An AICTE Initiative)	AICTE	07/06/2021 to 11/06/2021	(Through Online Mode)
16	Faculty Development Program on Innovation, Incubation & Research Challenges in India		21/06/2021 to 25/06/2021	(Through Online Mode) IES College of Engineering Chittipilly
17	FDP on flexible and Wearable	AICTE	02/08/2021 to	(Through Online Mode)

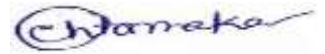
	Antennas for Next Generation Applications		06/08/2021	NITTTR, Chandigarh
18	FDP on Sustainable Change Management in Technical Institutes for NEP-2020 Implementation	AICTE-ATAL	23/08/2021 To 27/08/2021	(Through Online Mode) Organized by GEC Bilaspur.C.G.
19	FDP on Nano Electronics and RF Engineering	AICTE-ATAL	06/09/2021 to 10/09/2021	(Through Online Mode) Department of ECE, SRM IST, Delhi-NCR Campus, Ghaziabad
20	FDP on <u>5G &amp; Beyond</u>	AICTE	13/09/2021 to 17/09/2021	(Through Online Mode) NITTTR, Chandigarh
20	FDP on Heart Rate Variability - Monitoring, Analysis and Diagnosis	AICTE-ATAL	25/10/2021 to 29/10/2021	(Through Online Mode) Department of Biomedical Engineering Govt. Model Engineering College Thrikkakara, Kochi Kerala
21	FDP on “Electromagnetics: Recent Trends and Future Applications	AICTE-QIP	28/02/2022 To 05/03/2022	(Through Online Mode) Department of Electrical Engineering, IIT Indore

➤ **NPTEL/ SWAYAM/ NITTT Course Completed**

- An Introduction to Coding Theory
- Microwave Theory and Techniques
- Microwave Integrated Circuits
- Millimeter Wave Technology
- Module 1 (Orientation Towards Technical Education & Curriculum Aspects)
- Module 2 (Professional Ethics & Sustainability)
- Module 3 (Communication Skills, Modes and Knowledge Dissemination)
- Module 4 (Instructional Planning and Delivery)
- Module 5 (Technology Enabled Learning and Life-Long Self Learning)
- Module 6 (Student Assessment and Evaluation)
- Module 7 (Creative Problem Solving, Innovation and Meaningful R & D)
- Module 8 (Industrial Management and Administrative Procedures)

➤ **Course Taught**

- Electronic Devices
- Analog Communication
- Analog & Digital Communication
- Digital Signal Processing
- Linear Integrated Circuits & Its Applications
- Wireless Sensor Networks
- Information Theory & Coding
- Nanoelectronics
- Modern Digital Communication



**(Chandan Tamrakar)**