AICTE Training and Learning (ATAL) Academy Sponsored
One Week Online Faculty Development Program (FDP)
On
“Devices for Modern Wireless Communication Systems”

From 20th to 24th September 2021

Organized By:
Department of Electronics & Communication Engineering,
School of Studies (Engineering & Technology)
Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, C.G., India

No registration fee will be charged from faculties and students.
Registrations can be done online using the link:
www.aicte-india.org/atal
Last date of registration is 15th September 2021.
Joining link for the online session will be shared to the registered participant on their Email.
Since its inception in 1998, the Department of Electronics & Communication Engineering has been imparting quality education towards B. Tech degree in the discipline of Electronics & Communication Engineering. The Department initially started with an intake of 40 students which grew to intake of 60 students but now with an annual intake of 75 students, as looking into the social needs and job opportunities available in the market. Department has created suitable laboratories and other instructional facilities to cater the need of academics. Department has been regularly upgrading the curriculum looking into the rapid changes in technology and industrial requirement. The department has well qualified and well-motivated staff. The research interests of the faculty members of the department encompass the wide area of applied and fundamental aspects of Electronics and Communication Engineering. The Department has strong research programme leading to Ph.D. degree in different fields of Electronics and Communication Engineering.

**About the ECE Department**

**Objectives of FDP**

1. To explore knowledge in the field of RF and Antenna
2. To explore the devices for modern wireless communication system
3. To share the knowledge of various expert in the field of modern Antenna and Communication technologies

**Who can participate?**

The program is open to all members of AICTE/UGC affiliated Institutes/Universities i.e. faculty Members/Research Scholars/PG Scholars/ Government Employees/Industry Persons

**Selection and Certification Criteria**

Selection will be done based on first-cum first-serve basis and the confirmed candidate will be notified on receipt of registration form latest by 15th September 2021. The certificates shall be issued to those participants who are registered on ATAL portal www.aicte-india.org/atal and attend the program with minimum 80% attendance and score minimum 60% marks in the test.

**Areas to be Covered**

- Fundamentals of communication and Electromagnetics
- Advanced communication Technologies
- 5G Communication
- Internet of Things
- Planar Antennas
- Dielectric Resonator Antenna
- Metamaterials and its applications
- Antennas for Space Applications
- RADAR
- Photonics
- Planar Filters

**About the ECE Department**

Dr. Soma Das (Associate Professor, ECE)
Mrs. Bhawna Shukla (Assistant Professor, ECE)
Dr. P. S. Shrivastava (Assistant Professor, ECE)
Mrs. Beaulah Nath (Assistant Professor, ECE)
Mrs. Pragati Pathria (Assistant Professor, ECE)
Mr. Deepak Ku. Rathore (Assistant Professor, ECE)
Dr. Nikita Kashyap (Assistant Professor, ECE)

**Organizing Committee Members**

Mr. Shrawan Ku. Patel (Assistant Professor, ECE)
Mr. Sumit Kumar Gupta (Assistant Professor, ECE)
Mr. Jitendra Bhardwaj (Assistant Professor, ECE)
Mrs. Praveena Rajput (Assistant Professor, ECE)
Dr. Anil Kumar Soni (Assistant Professor, ECE)

**About the ECE Department**

Dr. Nipun Kumar Mishra, (Coordinator)
Assistant Profesoor, ECE
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Departments of Electronics & Communication Engineering  
Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, C.G., India  
&  
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Eminent Speakers
<table>
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<tr>
<th>Date</th>
<th>10:00 AM to 12:00 Noon</th>
<th>12:00 Noon to 12:15 PM</th>
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<th>2:15 PM to 3:00PM</th>
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<td><strong>Monday</strong></td>
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<tr>
<td>20/09/21</td>
<td>Inauguration &amp; Session-01 Modern Devices and Techniques for Next Generation Wireless Communication Dr Pragnan Chakravorty Principal Director , CARET</td>
<td>Tea Break</td>
<td>Session-02 Metamaterial Inspired Antennas for Modern Wireless Applications: Concepts and State of the Art Techniques Dr Chinmay Saha IIST Thiruvananthapuram</td>
<td>Lunch Break</td>
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<td><strong>Tuesday</strong></td>
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<td>21/09/21</td>
<td>Session-04 Isolation Improvement in MIMO Antenna System Dr R K Gangwar IIT (ISM) Dhanbad</td>
<td>Tea Break</td>
<td>Session-05 Tetra band Planar Filter Dr Biswajeet Mukerjee IIITDM Jabalpur</td>
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<td>22/09/21</td>
<td>Session-07 Nano Photonics Dr D K Vishwakarma IIITDM Jabalpur</td>
<td>Tea Break</td>
<td>Session-08 Synthesis of Metasurface : A Soft Computing Approach Dr Prakash Ranjan IIIT Bhagalpur</td>
<td>Lunch Break</td>
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<td>23/09/21</td>
<td>Session-10 Broadband Metamaterial Absorber for Stealth Applications Prof K. V. Srivastava IIT Kanpur</td>
<td>Tea Break</td>
<td>Session-11 Next Generation Space Antenna System Mr Purneet Kumar Mishra ISRO Bengaluru</td>
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<td>24/09/21</td>
<td>Session-13 Machine Learning in Wireless Communication Prof Brahajit Singh NIT Kurukshetra</td>
<td>Tea Break</td>
<td>Session-14 Design &amp; Measurements of RADAR Cross Section of Aerial Targets for Different Bands of RADAR Mr Sambhav Jain DRDO Hyderabad</td>
<td>Lunch Break</td>
<td>Interaction, Feedback and Valedictory session</td>
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