



Report on ATAL FDP on Devices for Modern Wireless Communication Systems

<AICTE Training and Learning (ATAL) Academy sponsored Faculty development (FDP) Program by the Department of Electronics & Communication Engineering, School of Engineering in Engineering and Technology, Guru Ghasidas Vishwavidyalaya Central University, Bilaspur, Chhattisgarh>

Date of Event : September 20-24 , 2021

Venue : School of Studies (Engineering & Technology), GGV Bilaspur (Online Mode)

सहायक प्राध्यापक
Assistant Professor
इले. एवं संचार अभियांत्रिकी
Elect. & Comm. Engineering
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Institute of Technology
AICTE Training and Learning
गुरु घा. वि. बिलासपुर (छ.ग.)
G. V. Bilaspur (C.G.)
Sponsored
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

CHIEF PATRON



Prof. Alok Kumar Chakrawal
Honorable Vice Chancellor,
GGV Bilaspur

PATRON



Prof. Shalendra Kumar
Registrar, GGV Bilaspur



Prof. I.V. Arjuman
Dean, SoS (E & T),
GGV Bilaspur



Mrs. Anita Khanma
Head, Deptt. of ECE, GGV
Bilaspur

CONVENER



Dr. Nipun Kumar Mishra
Asstt. Prof. (ECE)
GGV Bilaspur



Mr. Chandan Tamrakar
Asstt. Prof. (ECE)
GGV Bilaspur

CO-ORDINATOR

CO-COORDINATOR

Registration Process

1. No registration fee will be charged from faculties and students.
2. Registrations can be done online using the link:
www.aicte-india.org/atal
3. Last date of registration is 15th September 2021.
4. Joining link for the online session will be shared to the registered participant on their Email.

About GGV Bilaspur

Guru Ghasidas Vishwavidyalaya is a Central University of India, located in Bilaspur C.G. State, established under Central Universities Act 2009, No. 25 of 2009. Formerly called Guru Ghasidas University (GGU), established by an Act of the State Legislative Assembly, was formally inaugurated on June 16, 1983. GGU is an active member of the Association of Indian Universities and Association of Commonwealth Universities. Situated in a socially and economically challenged area, the university is appropriately named to honor the great Satnami Saint Guru Ghasidas (born in 17th century), who championed the cause of the downtrodden and waged a relentless struggle against all forms of social evils and injustice prevailing in the society.

About ATAL Academy

All India Council for Technical Education (AICTE) through its newly established AICTE Training And Learning (ATAL) Academy have started unique faculty development programs in various thrust areas of modern technology. ATAL Academy successfully conducted 5 days face to face 190 FDP (Faculty Development programs) in nine thrust areas for A/Y 2019-20 and approximate 10000 faculty members. In 2020-21, 1000 online FDP are being conducted and more than one lakh participants have already participated including faculty, Research Scholar, PG students, CBSE teachers and Industry persons. The online FDP of 20-21 has been recognized as a world record by World Book of Record, London. This is also important that FDP sessions are recorded and available on portal so that anyone can learn in the future. ATAL Academy have also included 15 FDPs on blended learning and flipped classroom which is very important in post covid-19 scenario as to teach participants how to conduct classes in virtual mode and make them comfortable taking online exams and assignments. In the backdrop of announcement of National Education Policy (NEP) 2020, ATAL Academy is working in the direction of NEP, keeping in view the values and morals of Indian Education System. This is the largest online FDP program of the world where more than 40% female participants have joined.

<Brochure of ATAL FDP on Devices for Modern Wireless Communication Systems >



Details of Event Proceedings

Date (DD-MM-YYYY)	Details of the Session	Details of Resource Person	Number of Participants
20-09-2021	Lecture on Modern Devices and Techniques for Next Generation Wireless Communication	Dr Pragnan Chakravorty Principal Director, CARET	200
	Lecture on Metamaterial Inspired Antennas for Modern Wireless Applications: Concepts and State of the Art Techniques	Dr Chinmoy Saha IIST Thiruvananthapuram	
	Lecture on Antennas for 5G and IoT	Dr Shrivishal Tripathi IIIT Naya Raipur	
21-09-2021	Lecture on Isolation Improvement in MIMO Antenna System	Dr R K Gangwar IIT (ISM) Dhanbad	
	Lecture on Tetra band Planar Filter	Dr Biswajeet Mukerjee IIITDM Jabalpur	
	Lecture on Antenna Miniaturization: Techniques and Challenges	Dr Saurabh Kumar NIT Hamirpur	
22-09-2021	Lecture on Nano Photonics	Dr D K Vishwakarma IIITDM Jabalpur	
	Lecture on Synthesis of Metasurface : A Soft Computing Approach	Dr Prakash Ranjan IIIT Bhagalpur	
	Lecture on Flexible and Wearable Antenna	Dr Balwinder Singh NITTTR Chandigarh	
23-09-2021	Lecture on Broadband Metamaterial Absorber for	Prof K. V. Srivastava IIT Kanpur	



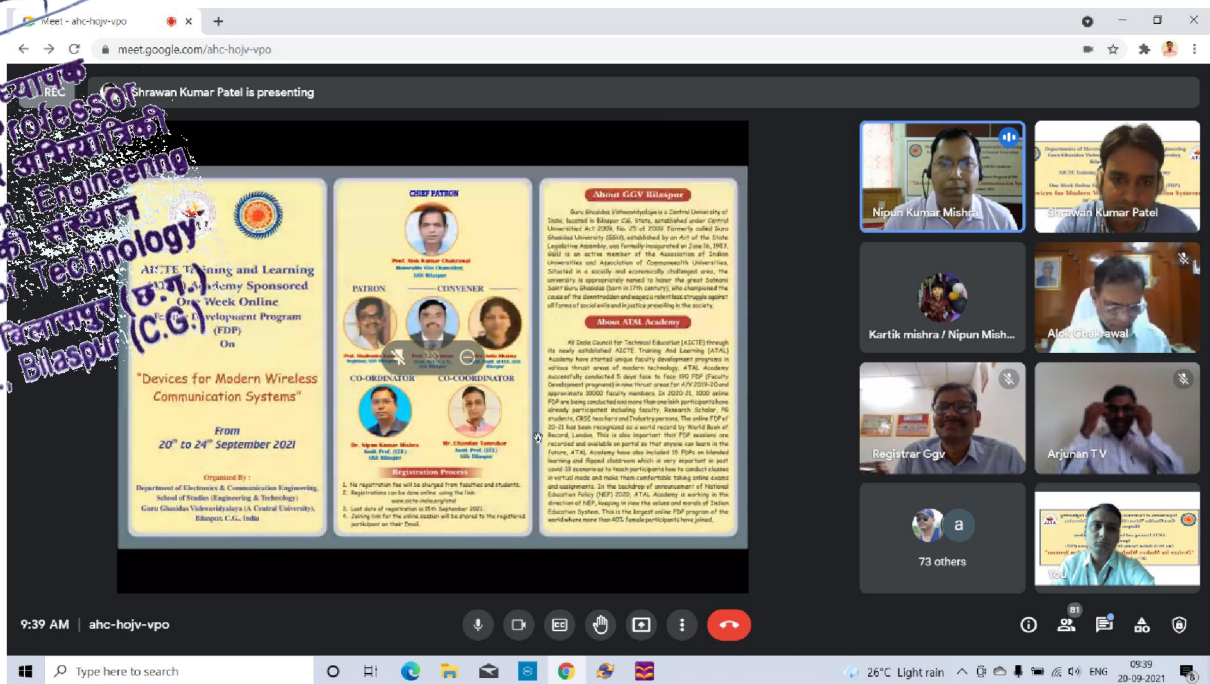
	Stealth Applications		
	Lecture on Next Generation Space Antenna System	Mr Puneet Kumar Mishra ISRO Bengaluru	
	Lecture on Stress Management & Wellness	Dr Agam Goswami VIT A.P.	
24-09-2021	Lecture on Machine Learning in Wireless Communication	Prof Brahmjit Singh Tea Break NIT Kurukshetra	
	Lecture on Design & Measurements of RADAR Cross Section of Aerial Targets for Different Bands of RADAR	Mr Sambhav Jain DRDO Hyderabad	

A Brief Abstract of the Event:

All India Council for Technical Education (AICTE) through its newly established AICTE Training and Learning (ATAL) Academy have started unique faculty development programs in various thrust areas of modern technology. Mobile and Wireless communication is one of the important thrust area of modern technology as Mobile communication has entered in the 5th generation and the race for the 6th generation standard has already begun in the world. With The Objective to explore the thrust areas of modern wireless communication systems which includes the Antenna, Filters, Metamaterials, Machine learning etc. , One week AICTE Training And Learning (ATAL) Academy sponsored Faculty development (FDP) Program on “Devices for Modern Wireless Communication Systems” was conducted from 20/09/2021 to 24/09/2021 by the Department of Electronics & Communication Engineering, School of Engineering in Engineering and Technology, Guru Ghasidas Vishwavidyalaya Central University , Bilaspur, Chhattisgarh. 200 faculties, research scholars and technical staff from the 18 states of the country have registered in this FDP. Total 14 sessions of 2 hours each, out of which 13 were technical session and one compulsory session for stress management as instructed by AICTE were conducted in this FDP. Out of 200 registered participants, 136 participants appeared in Test (mandatory for getting the certificate) conducted on last session of FDP on 24/09/2021. The first day of FDP Program started in the presence of Honorable Vice Chancellor of University Prof. Alok Kumar Chakarwal, Prof. Shailendra Kumar, Registrar and Prof. T. V. Arjunan, Dean, SoS (E&T) GGV Bilaspur (C.G.), Head of Department Mrs Anita Khanna, Coordinator of FDP Dr Nipun Kumar Mishra, Co-coordinator Mr Chandan Tamrakar, followed by 13 technical sessions, 01 mandatory session on stress management and 15th session for discussion, feedback alongwith Test. This FDP was primarily focused on Antennas for various application like 5G Communication, Internet of Thing, RADAR and Satellite Communication systems. Eminent Experts



have given the insight knowledge of metamaterial which includes the state of art, analysis approach and applications of Metamaterial in stealth Technology. Nano photonics, Tetra band Filter, wearable devices and antennas for space applications were also discussed by the experts from academic institutions and Indian Space Research Organization (ISRO). We hope that this FDP will be the platform to share the knowledge of various experts in the field of modern Antenna and Communication technologies from the Academic institutions Like IITs, IIST, IITs, NITs and Indian Space Research Organization



<Inauguration Function of ATAL FDP on Devices for Modern Wireless Communication Systems>

गुरु घासीदास विश्वविद्यालय
(केन्द्रीय विश्वविद्यालय अधिनियम 2009 क्र. 25 के अंतर्गत स्थापित केन्द्रीय विश्वविद्यालय)
कोनी, बिलासपुर - 495009 (छ.ग.)



Guru Ghasidas Vishwavidyalaya
(A Central University Established by the Central Universities Act 2009 No. 25 of 2009)
Koni, Bilaspur - 495009 (C.G.)

<Participants AttendingATAL FDP on Devices for Modern Wireless Communication Systems
from 20 to24 September 2021>