



Prof. Dr. Sharnbasappa Appaji
Head of the Department of Electronics and Communication Engineering
Sharnbasveshwar Vidya Vardhak Sangha
Kalaburagi - 585 103, Karnataka, India



Prof. Dr. Mahesh S. Chudari
Head of the Department of Electronics and Communication Engineering
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Prof. Dr. Vinod Kiran Kappala
Head of the Department of Electronics and Communication Engineering
Sharnbasveshwar Vidya Vardhak Sangha
Kalaburagi - 585 103, Karnataka, India

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Karnataka Act No. 17 of 2013. Notification No. ED 144 URC 2016 dated 29/07/2017

Title of the Event	Five Days Faculty Development Program On Designing And Implementation Of Software Defined Radios For OFDM, VLS And FSO Communications
Date of Activity held	03/10/2023 to 07/10/2023
Time of Activity	10AM to 5PM
Type of Activity (Cultural/ Cocurricular/Curricular)	Curricular Activity
Resource Person	1. Mr. Mahesh Shamrao Chudari 2. Dr. Vinod Kiran Kappala 3. Dr.Sudhan Majhi
Professional details of Resource Person	1. Mr. Mahesh Shamrao Chudari Research Associate Indian Institute of Science Bangalore 2. Dr. Vinod Kiran Kappala Assistant Professor VIT-AP University, Vijayawada India 3. Dr.Sudhan Majhi Professor IISC Bangalore
Program/Course/ Class	Faculty members of Electronics and Communication Engineering of our university
Number of Staff attended	18
Activity Incharge	Department of Electronics and Communication Engineering Faculty of Engineering and Technology(Exclusively For Women) Faculty of Engineering and Technology(Co-Education)
Description of Activity	The FDP enlightened the faculties about emerging 5G and beyond 5G architecture and its important components, like OFDM, VLS And FSO. The knowledge acquired will help the faculties to conduct the research in respective domain and can be included in up coming academic syllabus. The hands on sessions gave detailed knowledge about the design aspects and the trade offs involved in the design.The FDP provided a platform for knowledge



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Prof. Dr. Mahesh Ch. Chaudhari
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Prof. Dr. Channarayana Dadasaheb Appa
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Prof. Dr. Channarayana Dadasaheb Appa
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exchange between the resource persons and the faculties and opened new avenues of research in the domain .

Activity photographs

Session-I: Mr. Mahesh Shamrao Chudari



Day1



Session-II: Mr. Mahesh Shamrao Chudari





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Prof. Mahesh Chudari
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Prof. Chikarajji Dattappa
Honorary President
Sharnbasveshwar Vidya Vardhak Sangha
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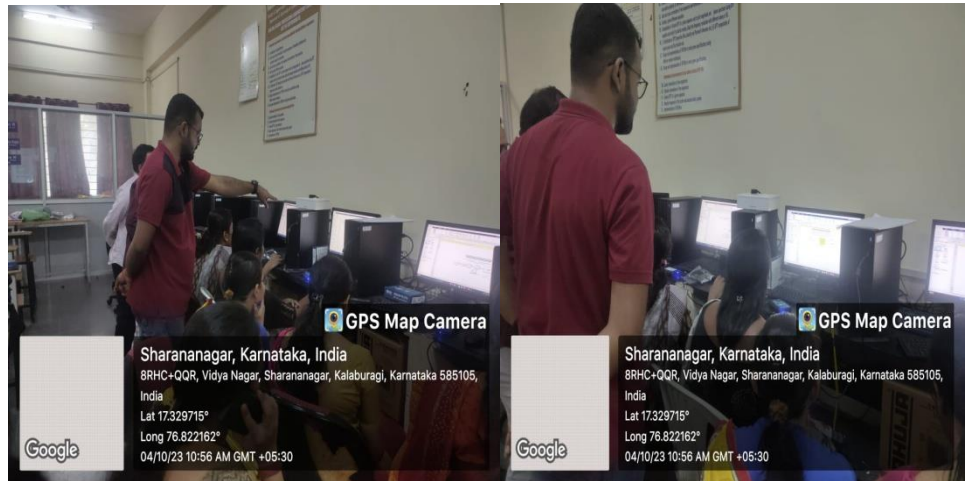
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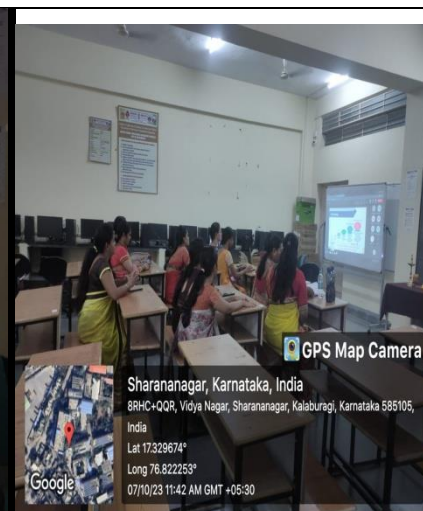


Day 2

Session-I: Mr. Mahesh Shamrao Chudari



Session-II: Mr. Mahesh Shamrao Chudari





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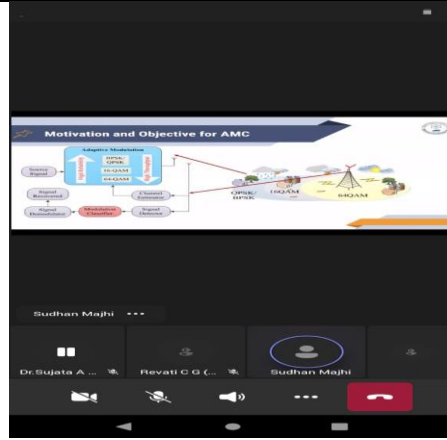


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Schedule of FDP

Day 1: Tuesday : 03 rd October 2023	
Timing	Topics to be covered
10:00am -10:30am	Inaugural
10:30am to 12:30pm	Session-I: Mr. Mahesh Shamrao Chudari
	Introduction to different generations and modulation and demodulation techniques of communications, ADAM PLUTO Kit
12:30pm-2:00pm	Lunch break
2:00pm – 5:00pm	Session-II: Mr. Mahesh Shamrao Chudari
	Working demo using ADAM PLUTO Kit
Day 2: Wednesday : 04 th October 2023	
10:00am to 12:30pm	Session-I: Mr. Mahesh Shamrao Chudari
	Introduction to RTL SDR
12:30pm-2:00pm	Lunch break
2:00pm – 5:00pm	Session-II: Mr. Mahesh Shamrao Chudari



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	Working demo using RTL SDR, combination of ADAM PLUTO & RTL SDR
Day 3: Thursday : 05 th October 2023	
10:00am to 12:30pm	Session-I: Dr. Vinod Kiran Kappala
	Introduction to visible light communication
12:30pm-2:00pm	Lunch break
2:00pm – 5:00pm	Session-II: Dr. Vinod Kiran Kappala
	Working demo using visible light
Day 4: Friday : 06 th October 2023	
10:00am to 2:30pm	Session-I: Dr. Vinod Kiran Kappala
	Introduction to Free Space Optical communication
	Working demo using laser light
Day 5: Saturday : 07 th October 2023	
10:00am to 1:30pm	Session-I: Dr. Sudhan Majhi
	Different generation of communication and modulation techniques