



BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT (Autonomous Under VTU)

Avalahalli, Doddaballapur Main Road, Bengaluru – 560064

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING(ETE)

TOPIC

BMS Institute of Technology & Management, the Department of Electronics and Telecommunication Engineering has conducted Five days National Level Faculty Development Program on “**Software Defined Radio and Next Generation Wireless Networks**” from **6th April to 10th April 2021**, with the objective of providing a great opportunity to learn about the power behind the Software Defined Radio (SDR) platform and the communication system design software tools that are being used in the latest wireless communications teaching, laboratory and research.

Dr. Raju Hajare, Head of the Department of ETE, welcomed the august gathering and emphasized that SDR is an emerging area, where faculty can upgrade themselves in the domains and be ready for next 5G and 6G technology to adopt and learn cognitive radio concepts so as to utilize the spectrum effectively. Knowledge Creation and dissemination through research is one of the core functions of higher education institutions. Apart from generating new knowledge, engineering and technology institutions have the responsibility of developing technologies useful for mankind. SDR is a scientific discipline as well as technology frontier, with immense applications. This Faculty Development Program (FDP) is an eye opening program for the faculty and research scholars in this domain. As a researcher, it is mandatory to know the basics of research, in order to satisfy the purpose of research and come out with expected outcome.

Prof. Mallikarjuna Gowda C P, Associate Prof. Dept. of ETE, convener of the FDP, gave insight about the FDP and speakers are experts in this domain from industry, Sri Gururaj B Padaki, Associate Vice President-Software, Saankhya Labs, deliberated on historical perspectives of SDR and technology needed for SDR. Dr. Prabhakar Misra, Director of Abriotic Embedded Design Solutions Pvt Ltd, deliberated on hardware implementation of SDR and its challenges, Sri. A T Kishore, CEO, Vidhysangha Pvt Ltd, deliberated on SDR in 4G to 6G networks and Vijayendra and Rakshith Application Engineers (Xilinx), CoreEL Technologies Pvt Ltd, Bengaluru, demonstrated the Xilinx – SDR and LTE - 4G transceiver.

Dr. Mohan Babu G N, Principal of BMSIT&M, during presidential address, expressed that this FDP is a value adding activity for faculty members, due to lack of strength in fundamental knowledge in students with which they are becoming non-employable by industry which is overheard several times in various media and by employers. To overcome this he requested the faculty members to focus upon developing the strong fundamental concepts on these emerging topics, contemporary issues and learn about the way how content to be delivered in an effective way so that students can be employable in the industry. Also deliberated on upgrading skills and developing competencies to have collaborative research culture among other researchers and experts in this domain, so that content can be delivered effectively to the students and through them it can be helpful to the society at large.



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Mallikarjuna Gowda C.P is presenting

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Dept. of ETE Welcomes for the Inauguration
of
Online FDP
on
**"Software Defined Radio and Next
Generation Wireless Networks"**

Date: 6th April 2021 to 10th Ap
Time: 10:20AM

Panel of participants:

- Sanshi M S
- Prabhakar Mishra
- Debagi Singh
- Mallikarjuna Gowda C.P
- HOD ETE
- Ikshat Bc
- Rishore Annam
- Gururaj Prabali

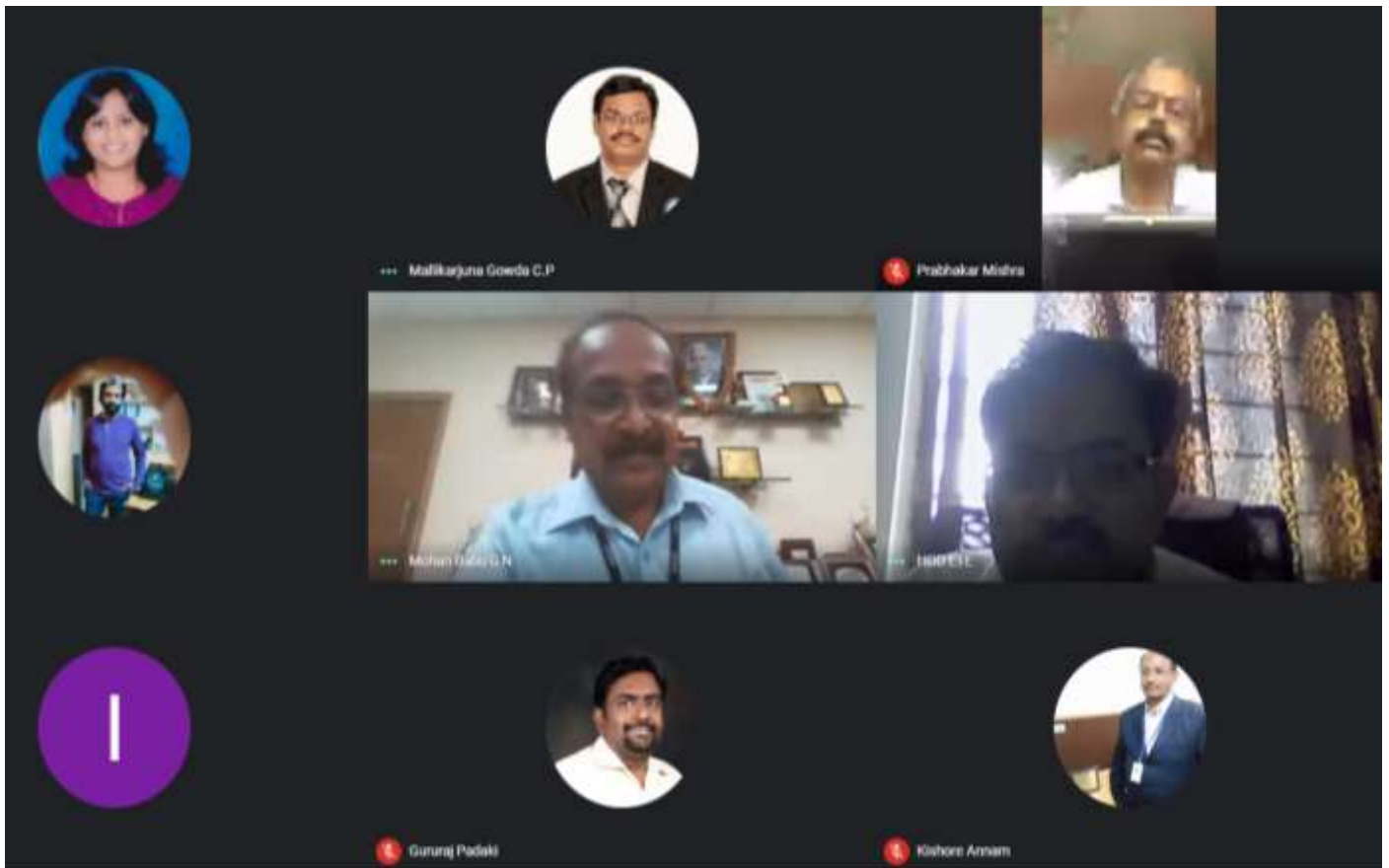
Zoom meeting grid showing participants:

- Mallikarjuna Gowda C.P
- Prabhakar Mishra
- Mohan Babu G N
- HOD ETE
- Gururaj Prabali
- Rishore Annam



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The Dept. of ETE thanks the management of BMSIT&M for encouraging us to conduct this FDP.

Report prepared by
Prof. Mallikarjuna Gowda C P
Associate Professor, Dept. of ETE
BMSIT&M, Bengaluru-64