

School of Engineering
Department of Electronics and Communication Engineering

Date : 12th July, 2021

REPORT ON NATIONAL WEBINAR

" OPPORTUNITIES AND CHALLENGES IN 6G WIRELESS TECHNOLOGY "



Resource Person : Dr. SRIDHAR IYER

Designation : Resource & Development Cell Coordinator

Institute : S. G. Balekundri Institute of Technology,
Belagavi, India

Webinar Conducted : 11th July, 2021 ; 11am to 1pm (Zoom)

Dr. Iyer received his B.E. degree in Electronics and Telecommunications Engineering from Mumbai University, India in 2005, M.S degree in Electrical and Communication Engineering from New Mexico State University, U.S.A in 2008, and the Ph.D. degree from Delhi University, India in 2017. He also received the young scientist award from the Department of Science and Technology, Government of India in the year 2013. Currently working as Coordinator, Research and Development Cell, Professor in the Department of ECE, S.G. Balekundri Institute of Technology, Belagavi, Karnataka, India.

His research focus includes spectrum enhancement techniques for 6G, efficient design and resource optimization of the flexi-grid EONs enabled by SDM. He has published over 70 reviewed articles and multiple book chapters in the aforementioned areas. Over 120 attendees had participated in the session which covered a retrospect on the previous generations of Wireless Technologies. It also highlighted the important points regarding the current 5G technology and the motivation necessary to conduct research on the 6G technology. With regard to 6G technologies, expectations in terms of data rate, latency, efficiency, etc were addressed. Lastly, the session thrown away various challenges that requires timely solutions to move forward in the research on 6G. A list of various open problems in research were also presented.

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