

A close perspective view on “**Millimeter Wave Engineering**”

- By Prof. **M.V.Karthikeyan**, IIT Roorkee, fellow IEEE

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Prof. Kartikeyan started a lecture with a broad range of electromagnetic spectrum and the applications of each frequency band. Later he has given the different perspectives on futuristic communications. Moreover, he explained about Moore’s law and its development, electromagnetic spectrum, 5G requirements and targets, Millimeter wave communication, atmospheric attenuation versus frequency, Gallium nitride devices and its applications, and gyrotron technology. At the end, he has shown a documentary on microwaves- a NASA’s perspective by MIT (Massachusetts Institute of Technology), which also focused on different uses and applications of microwaves.

And ended his presentation by projecting his MaThlab in IIT Roorkee, and shared his research activities with his students and the outcomes of the research, where he stated that “His Students are his Strength”.