

We are delighted to inform you that **IEEE Microwave Theory & Techniques Society (MTT-S) Student Branch Chapter (SBC) IIT BHU Varanasi** had organised a Talk on “**RF over Fiber Optics systems and its application to Radio Telescopes**” at Committee Room, Electronics Department IIT BHU on **16:00 hours 10 May 2019**. We are thankful to **Mr. S. Sureshkumar**, all Society members and the audience, for successful completion of the event and Department of Electronics Engineering for providing departmental resources.



On behalf of Society, our branch chapter advisor Dr Somak Bhattacharyya welcomed all students and Faculty members and invited **Mr. S. Sureshkumar, Senior Engineer-F, GMRT Observatory, NCRA, TIFR** for his technical talk. **Mr. Sureshkumar** discussed how Fiber optics system can be utilised for the transmission of RF signals and explained the essential operation using the system block diagrams. The speaker also covered different performance measure parameters. **Mr. Sureshkumar** discussed the use of an optical network for upgradation of antenna array feed at GMRT, Pune- India and the different challenges raised on the practical system application of such system. After this informative talk, post graduate students and research scholars discussed their doubts. **The talk ended around 17:30 HRS** after a formal vote of thanks from Dr Somak Bhattacharyya and a token of memento was offered to **Mr. S. Sureshkumar** on behalf of the IEEE MTT-S SBC IIT BHU from **Dr. Prasun Dutta** Assistant Professor, Department of Physics IIT (BHU) Varanasi.



