

## Biography



**Dr. T. R. Lenka** works as **Associate Professor** in Department of Electronics and Communication Engineering, National Institute of Technology Silchar, Assam since 2012. He has total 21 years of experience in academics and electron devices research. He received Ph.D. degree in Microelectronics Engineering from Sambalpur University, Odisha, India in 2012, M.Tech degree in VLSI Design from Dr. A. P. J. Abdul Kalam Technical University, Lucknow, India in 2007 and B.E. degree in Electronics and Communication Engineering from Berhampur University, India in 2000. He was a Visiting Researcher at Helen and John C. Hartmann Department of Electrical and Computer Engineering, New Jersey Institute of Technology (NJIT), Newark, New Jersey, USA in 2019 and also a Visiting Researcher at Solar Energy Research Institute of Singapore (SERIS), National University of Singapore (NUS), Singapore in 2018. He received **Outstanding Volunteer Award 2021** by IEEE Kolkata Section, IEEE Electron Devices Society (EDS) Student Branch **Chapter of the Year Award 2021**, **Distinguished Researcher in Nanoelectronics Award 2021** by 7<sup>th</sup> Venus International Science and Technology Awards (VISTA 2021), **Distinguished Faculty Award 2019** by NIT Silchar and **Visvesvaraya Young Faculty Research Fellowship (YFRF) Award** by the Ministry of Electronics and Information Technology (MeitY), Govt. of India in 2018.

He is a Certified Professional Engineer, Chartered Engineer (I), Fellow of IETE and IEI; Senior Member of IEEE, Member of IET, OSA, SPIE, IOP (MInstP), SSI; Life Member of ISTE, OBA and OPS. He is actively associated with IEEE-EDS, SSCS, CAS, Photonics society and NTC. He is the founding Chair of IEEE Kolkata Section Nanotechnology Council Chapter and founding Chapter Advisor of IEEE ED NIT Silchar Student Branch Chapter. His research interests include **Nanoelectronics:** III-Nitride and Ga<sub>2</sub>O<sub>3</sub> based heterojunction devices for RF/Microwave and power electronics and Nanowire LED; **Energy Harvesting:** Solar Photovoltaics, MEMS-based piezoelectric energy harvesting and **Nanotechnology:** Growth of TiO<sub>2</sub> Nanowire for Opto-nanoelectronics.

He has guided **12** Ph.D. scholars and **23** M.Tech scholars under his supervision. He has (co)authored more than **200** research articles in SCI/Scopus indexed scientific journals, book chapters and conference proceedings. He edited **04** books by Springer Nature and delivered more than **25** invited talks. He has been appointed as Associate Editor of four international journals. He has implemented **12** sponsored research projects as Principal (Co) Investigator funded by DST-SERB (MATRICS, Indo-Italy Bilateral, ASEAN-India International Collaborative R&D Project), CSIR, MHRD and IEEE EDS.