Brief biography of the supervisor

Dr. Anshuman Dalvi is a Professor in the Department of Physics, BITS, Pilani. He did his M.Sc. from School of Physics, D. A. University, Indore in 1997 and PhD from Indian Institute of Technology, Kanpur under the supervisor of Prof. K. Shahi in the year 2003. He worked as a CSIR project scientist in Department of Physics, IIT Kanpur with Prof Satish Chandra Agarwal for a year. He joined the Department of Physics, BITS, Pilani in 2004 and working as a Professor in the Department of Physics, BITS, Pilani since 2018.

His area of expertise is predominantly experimental Solid State Ionics and All-solid-state supercapacitors. He takes keen interest in exploring ionic and electronic properties of glasses, glass-ceramics, polymers and polymer-ceramic hybrids for applications in solid state ionic devices. He received the prestigious INSA fellowship under international bilateral exchange programme and worked in Warsaw university of Technology, Poland. He has a total of 70 referred indexed publications out of which 40 in journals of international repute. He has executed several DST, UGC-DAE collaboration scheme projects. He headed the Department of Physics, BITS, Pilani for one term during 2016-2018. He has guided four PhD students and is currently guiding five. He was also the convener of the 12th National conference on Solid State Ionics (NCSSI-12) held at BITS Pilani from 21st to 23rd December 2017.

Brief biography of the candidate

Mr. Mayanglambam Dinachandra Singh did his graduation in B.Sc. (Honours) in Physics from Poona College of Arts, Science and Commerce, University of Pune in 2014. He then did his M.Sc. in Physics from Fergusson College, University of Pune and graduated in 2016. Thereafter, He has been pursuing Ph.D. in experimental condensed matter from Department of Physics, BITS, Pilani, under the supervision of Prof. Anshuman Dalvi. In his Ph.D., He developed Li^+ as well as Na^+ ion conducting polymer-NASICON nanocomposites as solid electrolytes for all-solid-state supercapacitors applications. He received summer research fellowship under the Indian Academy of Science (INSA) and work at Goa University in 2015. He also did a project entitled "EXAFS investigations on ion conducting polymer nanocomposites for conductivity structure correlation" which was affiliated to UGC-DAE CSR, Indore as a Project fellow. He received junior research fellowship and senior research fellowship under CSIR, India for pursuing Ph.D. He represented his work in various National conferences in the field of Solid State Ionics. He has published six research papers in reputed international journals and three AIP conference proceedings