

7. Area / Group Name: Computing Education and Learning Technologies

Department of Electronics and Information Technology (DeitY), promote IT based education, technologies, systems and applications. Planning Commission promoted this area in Scheme of Socio-Economic Research (SER) for developing good practices guide for Higher Education and developing an academic Performance Management System. Human Computing and IT for Social Science Research has been identified by thrust area identified by Computer Society of India. MHRD is promoting technology enabled learning by its nationwide programmes like NPTEL and National Knowledge Network under the National Mission on Education through Information & Communication Technology (NMEICT). ACM recently formed Special Interest Group on IT education (estd. 2003). IEEE organ

Department offers courses like Theory of Knowledge, Learning, and Research, Problem Solving and Research Methodology, Learning Technologies and Educational Models for Computer Science. The department continuously develops and refines models and practices of computing education including IT Entrepreneurship. Currently, **9** faculty members are working in this broad area. Two Ph.D. have been completed. 6 M.Tech. and more than **30** B.Tech. projects have been completed in this area. Our work in this area is supported by publications including **3 chapters** and **22** research papers.

A faculty development program on “Emerging Trends in Computing Education” has been designed to sensitize the computing faculty to the contemporary educational research wrt computing courses. IIIT started a new M.Tech program in Information Technology & Entrepreneurship in 2014.