

8. Area / Group Name: Software Engineering

Software Engineering is about engineering design, development and maintenance of quality software. Knowledge about good software engineering practices and tools is dispensed through specialized elective courses like software engineering management, software quality, software design and Human Centered system design. Computer Society of India has Special interest group for software engineering. DEITY has Software reliability as a part of their course curriculum. AICTE and DST has been funding projects for Development of Software Engineering Tools for requirement to UML model, MISRA C Rule Checker and Project Cost Estimation and design of integrated framework for testing – “Development of Spatio-Temporal Access Control Models”.

Department offers courses like Software Engineering Management, Software Quality, Software Design, Human Computer Interaction and Human Centered Systems Design to impart knowledge in this area. Currently, **17** faculty members are working in this broad area. **3** Ph.D. has been completed and **8** more are in progress. Many post graduate students do their dissertations under this research group. **22** M.Tech. and more than **180** B. Tech projects have been completed in this area. Our work in this area is supported by publications including **1** chapter and **67** research papers.

Faculty Group:

1. Vikas Saxena
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