

SOFTWARE ENGINEERING RESEARCH GROUP



Software engineering related research activities in Universiti Putra Malaysia are conducted by the Software Engineering Research Group (SERG). SERG is one of the most prolific research groups under the Department of Software Engineering and Information Systems, Faculty of Computer Science and Information Technology (CSiT).



Main Researchers:



OVERVIEW

SERG is a group of proactive researchers who actively collaborate with colleagues as well as researchers from other institutions and industries to share their innovative ideas and research efforts. SERG brings together passionate academics and research students with similar interests to focus on specific research areas, develop projects, engage in joint activities, and share their expertise in SE. The research funds are mainly obtained through research grants received from diverse sources, including industry, community, and government agencies, where SERG members serve as principle investigators or collaborators. The research output is mainly in the form of high-quality research articles published in various prestigious journals and conferences. Besides, our research outcomes have been recognized with several awards, and our innovations are protected by intellectual property laws such as copyrights and trademarks.

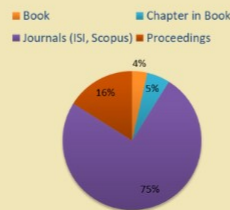
RESEARCH AREA



ABOUT SE

Software engineering (SE) is an engineering discipline that is concerned with every aspect of software production from early stages of software requirements through maintaining the software after it has gone into use. This area covers systematic, disciplined, quantifiable techniques and methods in designing, developing, implementing, and maintenance of quality software. Issues related to theoretical and formal aspects of software engineering, software architecture, software web services, software modeling, software quality, software engineering management, enterprise software engineering and integration, green software engineering, component-based software engineering, search-based software engineering, software measurement, estimation and metrics are among popular topics in this research. This area also addresses emerging trends such as software engineering for artificial intelligence (SE4AI), the industrial revolution, and big data software engineering. Additionally, research is also carried out in the area of special-purpose embedded software engineering which involves multidisciplinary research disciplines such as educational study, agricultural science, and health science.

Publications 2020 -2023



Research Students

Active: 43
Graduated: > 50

Achievements/Awards

PRPI, CITREX , PEPIPTA, i-PHEX, ITEX, Invention, Innovation & Design on e-learning (IIDE), Putra InnoCreative Carnival in Teaching and Learning (PICTL), National Symposium on Human Computer Interaction (FUSION), 32nd International Des Invention Exhibition at Geneva, World Invention Innovation Contest at Korea, Korea Invention Academy, and many more...

Research Grants

Active: 6



CONTACT US

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