

DSSE Student Research Group

DISTRIBUTED SYSTEMS & SOFTWARE ENGINEERING (DSSE)

STORY SO FAR

DSSE is a research and development group of Institute of Information Technology, at the University of Dhaka, founded in 2012 with the goal of working as a central platform for the software engineering researchers of Bangladesh. Starting with only 4 founding members, the group has now more than 80 members and is dreaming to grow far beyond.

Visit dsse.iit.du.ac.bd for knowing more about us

The Aim: A Software Research Organization

Establish a direct collaboration between industry and academia

Conduct intensive research and development on Software Engineering

Work as a central platform for the software engineer researchers of the country

Our Purpose

- To **explore** the domains of software engineering
- To **discover** new techniques and **bring** innovation
- To **learn** and **share** the individually acquired knowledge
- To **bring** about **positive** change in how software is developed
- To **thrive**, as a collective unit, in the world of software engineering research and be **distributed**

Members Of DSSE

Our members are now spread in reputed universities and industries of different countries across the world. We are everywhere!

Imperial College London, CMU, UT Austin, NC State University, William and Mary, UofA, Concordia University, Iowa State University, UCSB, UCI, USC and UCL.

Besides, some graduated students got employment in high-tech industries like **Amazon, Microsoft, Samsung, IBM** etc.

Our members have also secured faculty positions in many prestigious and renowned public and private universities in Bangladesh, for instance, **DU, SUST, BUP, IUT, BRAC, NSTU, JUST, University of Barishal.**

Our Collaborations



Research Domains covered so far

- Automated Program Repair
- Adaptive and Distributed Systems
- Bug Localization
- Bug Triaging
- Code Search
- Cloud Computing
- Code Clone
- Dark Patterns
- Fintech
- Human Computer Interaction
- Patch Prioritization
- Project Management
- Refactoring Community Smells
- Requirement Engineering
- Software Architecture
- Software Reengineering
- Software Analytics
- Software Security
- Software Testing
- Self-Adaptation Technique
- Test Case Minimization

OUR GROUP HAS ALREADY CONDUCTED RESEARCH AND DEVELOPMENT ON AROUND **30** DIFFERENT DOMAINS IN SOFTWARE ENGINEERING AND ACCUMULATED MORE THAN **150** PUBLICATIONS (TILL 2024) IN REPUTED JOURNALS AND CONFERENCES