

DIPOK CHANDRA DAS

Assistant Professor, Noakhali Science and Technology University, Bangladesh

+8801743972128 ◊ dipok.iit@nstu.edu.bd ◊ <https://cd-dpk.github.io>

RESEARCH INTERESTS

My research interests are in Software Engineering, specially on Software Maintenance, Software Metrics, Software Security, and Software Testing.

EDUCATION

Master of Science in Software Engineering (MSSE)

Jan 2017 — Jun 2018

Institute of Information Technology, University of Dhaka, Bangladesh

Thesis: Automated Identification of Security and Performance Bug Reports; Supervisor: Md Rayhanur Rahman

CGPA: **3.77 out of 4.00**

Bachelor of Science in Software Engineering (BSSE)

Jan 2013 — Dec 2016

Institute of Information Technology, University of Dhaka, Bangladesh

Final Year Project: Concept Location Tool for Source Code; Supervisor: Md Rayhanur Rahman

CGPA: **3.90 out of 4.00**

- GRE: 306 (Quant: 157, Verbal: 149, AWA: 3.0)- Taken: September 2021
- TOEFL: 98 (Reading: 25, Listening: 29, Speaking: 22, Writing: 22)- Taken: October 2024

TEACHING EXPERIENCE

Assistant Professor, Institute of Information Technology

Noakhali Science and Technology University

Jun 2021 — Present

Noakhali, Bangladesh

Lecturer, Institute of Information Technology

Noakhali Science and Technology University

Nov 2018 — Jun 2021

Noakhali, Bangladesh

Activities Include:

- Teaching courses: Software Metrics, Software design and Architecture, Discrete Mathematics, Software Maintenance, Software Requirements Specifications and Analysis, Design Pattern, Theory of Computation, Database Management Systems, Operating Systems, Technology and Society, and more
- Supervising students (undergraduate) on Software Project Labs
- Mentoring and advising students (undergraduate and graduate)
- Developing course curriculum, administering and grading examinations

Instructor, Short Course Training Program

University of Dhaka

May 2017 — May 2018

Dhaka, Bangladesh

Courses Conducted: Office Applications for Smart Office, Web Design using HTML/CSS/Javascript, and Web Programming using PHP/MySQL

INDUSTRY EXPERIENCE

Intern , Mobile Application

Multimedia Content and Communications Limited

Jan 2016 — Jun 2016

Dhaka, Bangladesh

- Involved in developing an mobile application of shopping platform offering lifestyle products
- Conducted Software Testing of a travel assistant application to search for hotels, book and purchase tickets, etc.

PUBLICATIONS

- **Dipok Chandra Das**, Dipanita Saha, Tahrim Kabir, Prosanto Deb, Joy Bhowmik “Analysis of COVID-19 Coverage in Bangladesh News Media Using Topic Modelling,” *International Journal of Engineering Applied Sciences and Technology*, 5(7), 2020 November.
- **Dipok Chandra Das**, Dipanita Saha “Neighbor Score: Impact of Neighboring Regions in COVID-19 Outbreak,” *International Journal of Advanced Research in Computer Science*, 11(5), 2020 October.
- **Dipok Chandra Das**, Md. Rayhanur Rahman “Security and performance bug reports identification with class-imbalance sampling and feature selection” *In 2018 Joint 7th International Conference on Informatics, Electronics & Vision (ICIEV) and 2018 2nd International Conference on Imaging, Vision & Pattern Recognition (icIVPR)*, 316-321, 2018 June.

SOFTWARE PROJECTS

- **Transactions Book**

An android mobile application that helps to keep records i.e. to give or take money as lend, among friends and family.

- **Door 2 Door Follow Corona**

A mobile application that was aimed to collect data door-to-door related to corona virus (COVID-19).

- **Concept Locator**

A desktop based application was developed by using information retrieval approach to search source code

- **CrickCircle**

A desktop game where a user can play pen-and-paper variant of cricket commonly played in South Asia.

PROJECTS SUPERVISION

- **Software Projects Supervisions**

– *Chemistry Calculator* by Md. Rayhan, *IIT Library 2.0* by Prosanto Deb, *Key Type* by Masum Billah

- **Research Projects Supervisions**

– *Code Smell Detector* by Armanur Rashid, *AI Code Detector* by Anupa Das, *Job Recommendation* by Md. Rabat

GRANTS, HONORS AND AWARDS

2023-2024	Grants from Noakhali Science and Technology University, Bangladesh , ‘Exploring Job Skills of Software Engineers in IT Industry of Bangladesh’, BDT 100,000. (around 1050 USD)
2022-2023	Grants from University Grants Commission, Bangladesh , ‘A Feature Extraction and Deep Learning Based Expert System for Early Detection of Chronic Diseases’, BDT 300,000. (around 3150 USD)
2022-2023	Grants from Noakhali Science and Technology University, Bangladesh , ‘Technical Debt Prioritization in Open Source Systems’, BDT 50,000 (around 500 USD)
2018	Fellowship from ICT Division, Ministry of Posts, Telecommunications and Information Technology, Bangladesh No-56.00.0000.028.33.094.18-168

PROFESSIONAL SERVICE

- Course Coordinator, Bachelor of Science in Software Engineering, Session 2020-2021, NSTU, 2022—Present
- Assistant Director, Students Counseling and Guidance Office, NSTU, Dec 2024—Present
- Member, Management Committee, EDGE-NSTU-IIT Digital Skills Student Training Program, May 2024—Present
- Organizing Member, International Conference on Machine Intelligence and Emerging Technologies (MIET), 2022
- Member, Software Project Lab I & II Committee, IIT, NSTU, Jan 2019 — Present
- Volunteer, National Hackathon, 2016
- Member, Brahmanbaria Science Club, Chittagong, 2015—Present

TECHNICAL SKILLS

Programming Languages : C, C++, Java, Python, Javascript, PHP, R, Shell Scripting

Integrated Development Environments & others: Eclipse, Android Studio, PyCharm, RStudio, WEKA, Google Colab, XAMPP

Version Control & Systems: Git, GitHub, BitBucket

Operating Systems: Windows, Debian Linux Families

Software Engineering Related Tools : PlantUML, Selenium

HOBBIES AND INTERESTS

Sports: Cricket, Football and Chess, Watching Movies and Documentaries, Reading Bengali and English Literature and Magazines (The Economist, Scientific American, and MIT Technology Review).

REFERENCES

1. Dr. Kazi Muheymin-Us-Sakib

Professor, Institute of Information Technology
University of Dhaka, Bangladesh
+8801730051232, sakib@iit.du.ac.bd

3. Dr. Md Rayhanur Rahman

Assistant Professor, Institute of Information Technology
University of Dhaka, Bangladesh
+880167099759, rayhan@du.ac.bd

2. Dr. Md. Nuruzzaman Bhuiyan

Assistant Professor, Institute of Information Technology
Noakhali Science and Technology University, Bangladesh
+8801612032781, nuruzzaman.iit@nstu.edu.bd

4. Dr. Md. Shariful Islam

Professor, Institute of Information Technology
University of Dhaka, Bangladesh
+8801754100160, shariful@iit.du.ac.bd