Dr. Amitava Bondyopadhyay

M.C.A(Gold Medalist), M.Phil. (Computer Science), Ph.D. (Computer Science)

Associate Professor
Department of Computer Science
Mankar College, Mankar-713144

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Education

Ph.D(Computer Science), *The University of Burdwan*, West Bengal

M.Phil (Computer Science), Annamalai University, Tamil Nadu, *1st Class.*

M.C.A, Department of Computer Science, *The University of Burdwan*, West Bengal.
First in 1st Class, Gold Medalist

Graduation (Honours), Computer Application, *The University of Burdwan*, West Bengal, *1st Class , University Rank Holder*

Higher Secondary,*WBCHSE, West Bengal*, Science Stream
1st Division with Star marks.

Secondary, *WBBSE, West Bengal*
1st Division with Star marks .

Additional Qualification

Qualified in SET in Computer Science
Qualified in Junior Research Fellowship (JRF)

Experience(Academic)

2010-till date   Associate Professor, Department of Computer Science, *Mankar College, Mankar, Purba Barddhaman,West Bengal-713144*

2007-2010   Assistant Professor, MCA Department, *Techno India College*. Hooghly, West Bengal.

2006-2007   Faculty **,** Department of Computer Science, *The University of Burdwan*. Burdwan, West Bengal.

Experience (Industry)

2006(Jan-July) Project Trainee , Tathya Dot Com Pvt. Ltd
Kolkata, West Bengal.

Experience (Research)

M.Phil(Computer Science), Annamalai University, Tamil Nadu.
Title: Object Oriented Modeling of Some Clipping Algorithm

Ph.D(Computer Science), The University of Burdwan
Title: *Study and Improvement of Software Quality Using Data-Mining Techniques.*

Research Project Principal Investigator
Funding Agency: UGC (vide letter No.PSW-20/12-13(ERO) Dt.05-02-13)
Project type: MRP
Title: An Experimental study on the effectiveness of E-Governance
OSS/FS using multi-platform
Status: Completed and Settled

Experience (Academic & Administrative Assignments)

i) Acted as the **Head of the Department**, Department of Computer Science, Mankar College from April 2010- till date.

ii) Worked as **Member, UG Board of Studies (UGBOS)** in Computer Science & Computer Application of **The University of Burdwan** and **Kazi Nazrul University** .

iii) Worked as **Member, Syllabus Committee** in Computer Science and Computer Application of **The University of Burdwan** and **Kazi Nazrul University** .

iv) Performed **different confidential duties as Subject Expert in** different Universities/Institution like West Bengal University of Technology (MAKAUT), Bankura University, Kazi Nazrul University, The University of Burdwan, WBSSC etc.

v) Acted as **Subject Expert (Interview Board)** in different recruitment bodies of different colleges under **Kazi Nazrul University** .

vi) Acted as **Subject Expert (Interview Board)** in different recruitment bodies of State Govt. sponsored schools in West Bengal.

Awards and Recognition Received

2006   Received University Gold Medal from the University of Burdwan.

2006   Received award from Rajiv Gandhi Foundation, New Delhi for obtaining 87% marks from Department of Computer Science, highest in all departments of the University of Burdwan.

2009   Obtained highest grade point in the merit panel in the subject "Computer Science" in West Bengal College Service Commission (Adv.No.- 3/2008) merit list in Unreserved category (All Category) and ranked #1.

Research Interests

- Software Quality
- Data Mining
- Machine Learning
- Cyber Security
- Object Oriented Modeling

Teaching Interests

- Object Oriented Concepts
- Software Engineering
- Machine Learning
- Artificial Intelligence
- Operating Systems
- Microprocessor

List of Publications (Books)

(i) Benefits of Open Source Software in E-Governance (ISBN)

(ii) Core Java for Beginners (ISBN)

(iii) A Novel Way to Improve Software Quality Using Data-Mining Techniques (ISBN)

List of Publications (Journals)

i. *"A study on the benefits of Open Source Software in making flexible E-Governance System, Interdisciplinary Journal of Science and Humanities.ISSN*

ii. *A Framework of Software Defect Prediction By Data Mining Techniques Using Historical Data Set and Intelligent Agents, International Journal of Computer Sciences and Engineering ISSN*

iii. *Towards more efficient 3NF determination using reduced functional dependency sets, Advances and Applications in Mathematical Sciences, Mili Publications.ISSN*

iv. *"Study of improving software testability by Data Mining Techniques" International Journal of Research in Engineering and Science (IJRES) ISSN.*

v. *"Improvement of Software Reliability using Data Mining Technique", International Journal of Scientific and Research Publications.ISSN*

vi. *"Need of Normalization Techniques in Defect Prediction", International Journal of Research in Engineering and Science (IJRES) ISSN .*

vii. *"Object Oriented modeling of some clipping algorithm" ISBN*

viii. *"Benefits of open source software in E-Governance", Journal of Computer Science and IT, ISBN*

List of Publications (Conference/ Seminar Proceedings)

(i) *"On Call Vehicle Navigation: An application", National Seminar at BIT –Kolkata.*

(ii) *"Object Oriented modeling approach in E-Governance ", 1ˢᵗ National Conference on Computing and Systems, The University of Burdwan.*

(iii) *"Studies on basic Clipping Algorithms: UML based approach", West Bengal State Science Congress*

(iv) *"Software Defect Prediction: A Novel approach",1ˢᵗ International Conference on Innovations in Computer Science, The Department of Computer Science, The University of Burdwan.*

(v) *"Achieving Software quality in E-Governance System", West Bengal State Science Congress.*

(vi) *A study on the benefits of Open Source Software in making flexible E- Governance System", Departmental Seminar on Basic Computing, Department of Computer Science, The University of Burdwan*

Reviewer of Papers

*Served as **Reviewer of Research Papers** for International Conference CIACON 2025.*

List of Invited Lectures

Sl. No.	Title of the invited lecture	Title of Program	Organized by
1.	**Lecture on Operating System**	Lecture Program on Operating System 08.07.2021	Department of Computer Science, Cooch Behar College
2.	**Improving software quality by data mining techniques**	Seminar on Software Quality 30.12.2022	Department of Computer Science, The University of Burdwan
3.	**Data Mining Techniques for Software Defect Prediction**	Lecture Program on Data Mining for Ph.D. Course Work 12.01.23	Department of Computer Science, The University of Burdwan
4	**Software Quality Assurance and Testing Techniques**	Extended Lecture 30.06.2025	Department of Computer Science, St. Xavier's College, Burdwan