

Dr. Amitava Bondyopadhyay

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

*Assistant Professor
Department of Computer Science
Mankar College , Mankar-713144*



E mail : amitavabondyopadhyay@mankarcollege.ac.in

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 Assistant 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

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)

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

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

Performed **different confidential duties** in different Universities/Institution like West Bengal University of Technology, Bankura University, Kazi Nazrul University, The University of Burdwan, WBSSC etc .

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

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, 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
- Data Normalization
- Defect data
- Intelligent Agents
- Object Oriented Modeling

Teaching Interests

- Object Oriented Concepts
- Software Engineering
- Data Mining
- Artificial Intelligence
- Operating Systems
- Microprocessor

List of Publications (Books)

- 2016** *Efficiency of OSS/FS in Making Platform Independent E- Governance Software*(ISBN 93-80332-95-5)
- 2017** *A Quick Guide to Core Java* (ISBN- 978-81-941256-8-6)

List of Publications(Journals)

- “ A study on the benefits of Open Source Software in making flexible E-Governance System, Interdisciplinary Journal of Science and Humanities(ISSN 2348-3822)”*,2014
- 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: 2347-2693),2019 (UGC Listed)*
- Towards more efficient 3NF determination using reduced functional dependency sets, Advances and Applications in Mathematical Sciences, Mili Publications, 2021(Web of Science)*
- “Study of improving software testability by Data Mining Techniques ” International Journal of Research in Engineering and Science (IJRES) ISSN (Online): 2320-9364, ISSN (Print): 2320-9356*
- “Improvement of Software Reliability using Data Mining Technique”, International Journal of Scientific and Research Publications(IJSRP) Volume 12, Issue 5, 2022*
- “Need of Normalization Techniques in Defect Prediction”, International Journal of Research in Engineering and Science (IJRES) ISSN (Online): 2320-9364, ISSN (Print): 2320-9356,2022.*
- “Object Oriented modeling of some clipping algorithm”(ISBN 819077417-4).*

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-Governnace “, 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*
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