



**Name:** Mr. SOVAN BHATTACHARYA

**Department:** Computer Science and Engineering

**Contact Nos.:** 8653155308

**Qualifications:** Ph.D. (Pursuing), M.Tech(JU), B.Tech (CSE)

**Designation:** Assistant Professor

**VIDWAN ID:** 187756

**Experience (Teaching / Research / Industry, in years):** Teaching (8 Years), / Industry (1 Years)

**Date of Joining at the Present Institution:** 18<sup>th</sup> December 2020

**Examinations Cleared:** GATE

**Qualifications Summary (Reverse chronological order):**

<b>Degree</b>	<b>Institute</b>	<b>Subjects</b>	<b>From - To</b>
<b>Pursuing Ph.D. (Tech.),</b>	<i>NIT Durgapur</i>	<i>Computer Science &amp; Engg</i>	<i>Registration Number- NITD/PhD/CS/2018/01040 dated June 14,2018</i>
<b>M.Tech *</b> Session-(2011-2013)	<i>Jadavpur University</i>	<i>IT(CWE)</i>	<i>2011-2013</i>
<b>B.Tech</b> Session-(2006-2010)	<i>MCKVIE, Liluah, Howrah</i>	<i>Computer Science &amp; Engg</i>	<i>2006-2010</i>
<b>H. S. Exam (10+2)</b>	<i>RSUV, BURDWAN</i>	<i>Science</i>	<i>2003-2005</i>
<b>Madhyamik (10)</b>		<i>General</i>	<i>2001-2003</i>

**Experience Summary (In chronological order):**

**Designation, Organization, Date From - Date To**

<b>Designation</b>	<b>Organization</b>	<b>Date From</b>	<b>Date To</b>
<b>Assistant Professor (CSE Department)</b>	<i>Dr. B. C. Roy Engineering College, Durgapur</i>	<b>18.12.2020</b>	<b>On going</b>
<b>Assistant Professor (CSE Department)</b>	<i>Bengal College of Engineering and Technology, Bidhannagar, Durgapur</i>	<b>20.08.2019</b>	<b>20.12.2020</b>
<b>Assistant Professor (CSE Department)</b>	<i>Camellia Institute of Engineering and Technology BURDWAN</i>	<b>20.02.2018</b>	<b>17.08.2019</b>
<b>Lecturer (CST Department)</b>	<i>ABS ACADEMY and POLYTECHNIC, Sagarbhangra, Durgapur</i>	<b>01.08.2013</b>	<b>19.02.2018</b>
<b>Junior Software Developer</b>	<i>NETWARE BANKING SOFTWARE DEVELOPMENT COMPANY</i>	<b>5<sup>th</sup> July, 2010</b>	<b>25<sup>th</sup> August, 2011</b>

**Specialization/Research Interest:** *Citation Network, Data Science and Machine Learning, BigData*

### **Awards & Recognitions**

**Best paper/ scholarship/Position in university exam / awards while at industry/ other organizations etc.**

1. *Qualified in GATE in the Year 2011 with and enjoyed GATE Scholarship for PG Studies.*
2. *Qualified NPTEL Online Certification Course(FDP)-8Weeks on "Introduction to Machine Learning" in the session of Jul-Sept 2021 and received Elite certificate*
3. *Qualified NPTEL Online Certification Course(FDP)-12Weeks on "Joy of Computing using Python" in the session of Jan-April 2020 and received Elite+Silver certificate*
4. *Qualified NPTEL Online Certification Course(FDP)-12Weeks on "Problem Solving through Prog.in C" in the session of Jul-Oct 2019 and received Elite+Silver certificate*

### **Courses taught:**

Python Programming, C Programming, C++ Programming, Java Programming, Data Structure, Computer Networking, Theory of Computation, Design Analysis of Algorithms, DBMS, Operating System, Computer Organization and Architecture, Compiler Design.

### **B.Tech: Specify the name of the subject/s (Theory first and then practical)**

**Theory :** Operating System, Advanced Algorithms, Object Oriented Programming

**Laboratory:** Operating System Laboratory, C Programming Laboratory, Object Oriented Programming Laboratory

### **M.Tech: specify the name of the Subject/s**

**Theory:** Principal of Distributed System, Advanced Algorithms

### **Online Mode of Teaching:**

<https://drive.google.com/drive/folders/1suBLxtdK1f86JRyHUdvCLwINHVWk8K1k?usp=sharing>

### **Publications:**

#### **Journal:**

1. **Sovan Bhattacharya, Arnab Ghosh**, "Entropy Trust based Approach against IP Spoofing Attacks in Network", IJCA, April 2013, Vol 67-No.23.
2. **Arnab Ghosh, Sovan Bhattacharya**, "Calculating Trust and Aggregation of a node using poisson Distribution in WSN", IJCA, April 2013, Vol 68-No.24.
3. **Sovan Bhattacharya**, "Discoveries of Research Genealogy From Large-Scale Academic Dataset: Issues, Challenges and Application", IJCSE, January 2019, E-ISSN-2347-2693, Vol-7, Spl Issue-1, pp-226-231.
4. **Sovan Bhattacharya, Subrata Nandi, Dinesh Kumar Pradhan**, "A Heuristic Approach to Solve Author Name Ambiguity using Minimum Bibliographic Evidences", Scientometrics, Submission ID: SCIM-D-21-01211. (Communicated)

#### **Conference:**

1. **Sovan Bhattacharya, Dinesh Kumar Pradhan, Subrata Nandi**, "A Test Bed for Indoor Air Quality Monitoring using Low Cost sensor", ICMCTI-2017, March 2017, ISBN-978-93-86256-60-7, p.108-115.
2. **Sovan Bhattacharya**, "Discoveries of Research Genealogy From Large-Scale Academic Dataset: Issues, Challenges and Application", ICICS-2018, January 2019, E-ISSN-2347-2693, Vol-7, Spl Issue-1, pp-226-231.

## Supervision of Ph.D/M.Tech/ B.Tech Projects:

### Projects:

Name of Students	Name of the supervisor	Title of the Project / thesis	Year	B.Tech/ M.Tech
Sunny Kumar (12000118001) Deepchand Kumar (12000118009) Kumar Manvendra (12000117086) Kishan Kumar Rawani (12000118006)	Sovan Bhattacharya	EBuy (Online Shopping System)	2021	B.Tech

### Invited Lectures:

*Deliver lecture workshop on "Core and Advanced Java" on 8<sup>th</sup> and 9<sup>th</sup> January 2019 at Midnapore College.*

### Participation in seminar/conference/symposium/workshop/discussion meeting

#### Workshop:

1. *Two days workshop on "IoT and AI for Precision Agriculture: Technology and Applications" on 6-7 th Feb 2020 at CSIR-CMERI, Durgapur.*
2. *One day National Workshop on "Design of Microfluidic Biochip" on 21th September 2019 at BCET, Durgapur.*
3. *Deliver lecture workshop on "Core and Advanced Java" on 8<sup>th</sup> and 9<sup>th</sup> January 2019 at Midnapore College.*
4. *"Virtual Laboratory –two days workshop" attended on 11<sup>th</sup> and 12<sup>th</sup> May 2018 at BCET, Durgapur.*

#### Conference:

1. *"CoDS-COMAD Virtual Conference 2021" participation on 2-4 January,2021.*
2. *"CoDS-COMAD Conference 2019" participation on 3-5 January,2019 at Swissotel, Kolkata.*
3. *"ICICS-2018 Conference" participated and paper presenter on 21<sup>st</sup> and 22<sup>nd</sup> December 2018 held at Dept of computer Science,BU*
4. *"ICMCTI-2017 Conference" participated and paper presenter on March 2017 held at UIT, BU.*

#### Webinar:

1. *Webinar on "SQL Server High Availability Disaster Recovery & Azure DataWarehouse" on 17<sup>th</sup> July 2021, at JIS College.*
2. *Webinar on "Augmented & Virtual reality Application and Demo" on 19<sup>th</sup> June 2021, at Dr. B. C. Roy Engineering College, Durgapur.*
3. *Webinar on "Spatio Temporal Fusion Using Deep Networks" on 22<sup>nd</sup> May 2021, at JIS College.*
4. *Webinar on "Matlab & Simulink Fndamentals" on 30<sup>th</sup> April 2021, at Dr. B. C. Roy Engineering College, Durgapur.*
5. *Webinar on "Uncertainty Based Optimization and Application on Pandamic Anaysis with COVID-19 Data" on 23<sup>rd</sup> April 2021, at Dr. B. C. Roy Engineering College, Durgapur.*
6. *Webinar on "How to write an Effective Research Paper" on 16<sup>th</sup> April 2021, at Dr. B. C. Roy Engineering College, Durgapur.*
7. *Webinar on "Case Studyon Microwave Tubes" on 30<sup>th</sup> January 2021, at Dr. B. C. Roy Engineering College, Durgapur.*
8. *Webinar on "Data Science" on 30<sup>th</sup> January 2021, at Dr. B. C. Roy Engineering College, Durgapur.*

### Participation in faculty development programmes

1. *Qualified NPTEL Online CertificationCourse(FDP)-8Weeks on "Introduction to Machine Learning" in the session of Jul-Sept 2021 and received Elite certificate.*
2. *Qualified NPTEL Online CertificationCourse(FDP)-12Weeks on "Joy of Compting usingPython" in the session of Jan-April 2020 and received Elite+Silver certificate.*
3. *Qualified NPTEL Online CertificationCourse(FDP)-12Weeks on "Problem Solving through Prog.in C" in the session of Jul-Oct 2019 and received Elite+Silver certificate.*

4. *Qualified NPTEL Online Certification Course 12 Weeks on "Modern Application Development" in the session of Sep-Oct 2016.*
5. *FDP on "Research Application in AIML" from 06-10<sup>th</sup> September 2021, at HIT.*
6. *One Week FDP on "Advanced Research Methodology & Writing of High Quality Research Papers" from 24-28<sup>th</sup> August 2021, at Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur.*
7. *FDP on "3D Printing and Design" from 17-21<sup>th</sup> August 2021, at Dr. B. C. Roy Engineering College, Durgapur.*
8. *Electronics & ICT Academy FDP on "Python Programming" from 26<sup>th</sup> July-06<sup>th</sup> August 2021, at IIT Kanpur.*
9. *FDP on "Advanced Trends and Application in Mobile AD HOC Networks" from 26-30<sup>th</sup> July 2021, at Government College of Technology, COIMBATORE.*
10. *Electronics & ICT Academy FDP on "Advanced Excel with Data Visualization" from 5-10<sup>th</sup> July 2021, at IIT Kanpur.*
11. *FDP on "Industrial Research in IOT" held on 23<sup>th</sup> July 2021 at TCS.*
12. *AICTE Training and Learning (ATAL) FDP on "IOT" from 15-19<sup>th</sup> March 2021, at Government College of Engineering.*
13. *FDP on "AI using Python" from 14-19<sup>th</sup> September 2020, at Dr. B. C. Roy Polytechnic.*
14. *FDP on "LATEX" from 4-8<sup>th</sup> MAY 2020, at Poornima University association with Spoken Tutorial, IIT Bombay.*
15. *AICTE Training and Learning (ATAL) Academy FDP on "Data Science" from 14/10/2019 to 18/10/2019 at NPTEI(ER) Durgapur.*

#### **Organization of events (Dr. B. C. Roy Engineering College)**

1. One day Webinar on "Intelligence of the IoT", organized by IE(I) student chapter will be held on 06/02/2021 at Online Google Meet.

#### **Participation in administrative committees (selected)**

1. Member of R&D cell from 16<sup>th</sup> September 2021
2. Member of IE(I) Student chapter from January 2021.
3. Committee member of Industrial Training and Placement from July 2021.

#### **Membership of professional bodies: IEEE, IETE, IEL, CSI, MGMI etc.**

1. Member of CSI/ ACM: Membership No 0765617