

**Name: Mr Subhajit Bhattacharya**



**Department: ME**

**Contact Nos.: 9932332989, 7001715397**

**Qualifications: M. Tech**

**Designation: Assistant Professor**

**Experience (Teaching / Research / Industry, in years): 13 Years in Teaching**

**Date of Joining at the Present Institution: 02.07.2013**

**Examinations Cleared: GATE**

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

<b>Degree</b>	<b>Institute</b>	<b>From - To</b>	<b>Subjects</b>
M. Tech	Kalyani Govt. Engg. College	2007-2010	Production Engineering
B. Tech	Kalyani Govt. Engg. Collge	2001-2005	Mechanical Engineering

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

Designation, Organization, Date From - Date To

**Assistant Professor Mallabhum Institute of Technology, 16.07.2013-01.07.2013**

**Assistant Professor Dr. B. C. Roy Engineering College, Durgapur. 02.07.2013 continue**

**Specialization/Research Interest:**

Multicriteria Decision Making, Optimization, Machine Learning, Robotics

**Awards & Recognitions**

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

NPTEL Topper in Four (4) Courses with 3 Gold Medals and 1 Silver Medal.

**Courses taught:**

B. Tech, M. Tech

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

Theory: Mechatronics, Engineering Materials, Engineering Mechanics, Mechanisms, Workshop Theory, Operations Research

Practical: Mechatronics, Material Testing, Engineering Graphics, Workshop Practice, Applied Mechanics

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

Advanced Production Methods, Advanced Dynamics of Machines, Production and Operations Management

**Online Mode of Teaching:**

**The Faculty member needs to specify the online teaching/ assessment method adopted. (Link to any faculty created resources for Lecture notes / PPT/ Video Lecture etc. in Google Drive / Weblink etc)**

Notes through Gmail, Assignments and Quizzes through Google Drive and Classes through Google Meet Links.

Workshop Video Links	
How to Draw the Given Pattern	<a href="https://youtu.be/W3mHpTHhMbU">https://youtu.be/W3mHpTHhMbU</a>
How to make A Single Piece Pattern	<a href="https://youtu.be/bIRVgh9JFlc">https://youtu.be/bIRVgh9JFlc</a>
Moulding operation in Casting	<a href="https://youtu.be/rFj7z3rT6z4">https://youtu.be/rFj7z3rT6z4</a>
Manual Metal Arc Welding	<a href="https://youtu.be/y1_NbSwVcgA">https://youtu.be/y1_NbSwVcgA</a>
Lathe Description and operations	<a href="https://youtu.be/vpYNn9ZLUD0">https://youtu.be/vpYNn9ZLUD0</a>
Milling Machine Description	<a href="https://youtu.be/vWdq4ZndHaw">https://youtu.be/vWdq4ZndHaw</a>
Shaping Machine Description	<a href="https://youtu.be/Q-BPvQLyw6c">https://youtu.be/Q-BPvQLyw6c</a>

**Publications:**

**Journal:**

1. Chinmoy Mondal, Subhajit Bhattacharya, Santanu Das (2011). "Parametric Optimization of Spot Welding of 17-4 Ph Stainless Steels Using the Analytic Hierarchy Process". Indian Welding Journal. October 2011, Volume 44, No.4
2. Kazi Sabiruddin, Subhajit Bhattacharya, Santanu Das (2013). "Selection of Appropriate Process Parameters for Gas Metal Arc Welding of Medium Carbon Steel Specimens". *International Journal of the Analytic Hierarchy Process.*, 2014 Vol. 5 Issue 2 2013 ISSN 1936-6744.
3. Subhajit Bhattacharya, Kazi Sabiruddin, Santanu Das (2019). "Optimization of Process Parameters for GMAW of High Carbon Steel Using TOPSIS". Reason – A Technical Journal., 2020, ISSN 2277-1654. Volume XVII 2018. DOI:10.21843/reas/2018/12-24/195546

**Conference:**

1. **Subhajit Bhattacharya**, Albert Siraj Banerjee and Santanu Das (2007). Application of the Analytic Hierarchy Process as a simple optimization tool: Part A – Selection of a fuel.

- National Conference and Advances in Computer Aided Design and Engineering (TACADE-2007) February 16-17, 2007. Kalyani Government Engineering College, Kalyani -741235.*
2. Chinmoy Mondal, **Subhajit Bhattacharya**, Santanu Das (2010). Optimization of Spot Welding of 17-4 Ph Stainless Steels Using The AHP, *National Welding Seminar2010 (NWS2010)*. Organised by The Indian Institute of Welding, Visakhapatnam Branch
  3. **Subhajit Bhattacharya**, Swarup Sengupta, Jeet Bhattacharya (2011). Application of Analytic Hierarchy Process for the selection of alternative stream. *National Conference on Recent Trend and Advances in the Field of Eco Friendly Operation of Plan Machineries, Automobiles and Material Handling System (NCREPMA -2011)*. January 29-30, 2011. Mallabhum Institute of Technology, Bishnupur, Bankura -722122, West Bengal.
  4. **Subhajit Bhattacharya**, Kazi Sabiruddin, Santanu Das (2019). Optimization of Process Parameters for GMAW of High Carbon Steel Using TOPSIS. *National Conference on Trends and Advances in Mechanical Engineering (TAME-2019)*. February 15-16, 2019. The Association of Engineers, India, Kalyani Government Engineering College, Kalyani-741235.
  5. **Subhajit Bhattacharya**, Kazi Sabiruddin, Santanu Das (2020). Optimization of Gas Metal Arc Welding of High Carbon Steel Using the AHP. *2020 NATIONAL COFERENCE ON EMERGING TRENDS ON SUSTAINABLE TECHNOLOGY AND ENGINEERING APPLICATIONS (IEEE-NCETSTE)*. February 7-8, 2020. Dr. B. C. Roy Engineering College, Durgapur.

**Book:**

**Book Chapter:**

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

**For Ph.D**

1. Name of the student, Name of the supervisor, " Title of the thesis", Year , Name of the university (completed)
2. Name of the student, Name of the supervisor, " Title of the thesis", Year, Name of the university (Registered)

**Projects:**

1. Name of the student/s (with university roll number), Name of the supervisor, " Title of the Project / thesis" , Year (only final year 8<sup>th</sup> Sem Project for B.Tech and Thesis for M.Tech )

**B. Tech Projects:**

Sl No.	University Roll No.	Name of the Student	Name of the Supervisor	Title of the Project	Year
1.	12000110097	SHILPA KUMARI	Subhajit Bhattacharya	Variation of Mechanical Properties and Microstructure Before and After Welding	2014
	12000711017	CHIRANGIV CHETAN			
	12000711032	ISRAR ANSARI			
	12000711051	DHANANJAY KUMAR			
	12000711075	SWETA KUMARI			
2	12000711027	MIRAJ ALAM	Subhajit Bhattacharya	Human less Railway Crossing	2015
	12000711050	SANGLAP DAS			
	12000711053	SOURAV MISHRA			
	12000711054	SK. MD. AKIL			
	12000711055	SNEH DEEP			
3	12000712114	ARKA KONAR	Subhajit Bhattacharya	Hydraulic Robotic Arm	2016
	12000712115	ARKA ROY			
	12000712116	ASHISH RANJAN			
	12000712117	ASHWINI KUMAR			
	12000712118	ATIF HUSSAIN			
	12000712119	ATUL ASHWANI			
	12000712120	AVIJIT ROY			
4	12000713117	SUVAM BISWAS	Subhajit Bhattacharya	Study of an Air Conditioning Process and Assembly of an Air Conditioner	2017
	12000713118	TAHMID HAMI			
	12000713119	TAMAL SEN			
	12000713120	TIRTHIK ROY			
	12000713121	UMAR MD YASSER			
	12000713122	VIKASH KUMAR			

5	120007140027	Asmi Kumar Pal	Dr. Subrata Samanta and Subhajit Bhattacharya	A Study of Thermal Performance of refrigeration and Air Conditioning System	2018
	120007140028	Avishek Kuma			
	120007140029	Ayan Sengupta			
	120007140030	BIINAY KUMAR			
	120007140031	Bishal Karmakar			
	120007140032	Biswajit Samanta			
	120007140033	Rajesh Kumar Baernwal			
	120007140034	Chandan Das			
	120007140035	Chandrima Maji			
	120007140036	Chintu Kumar Jha			
	120007140037	Debmalya Sukul			
	120007140038	Deepak Kumar			
6	12000715027	BABLOO KUMAR	Dr. Subrata Samanta and Subhajit Bhattacharya	Sustainable Energy: Design a Renewable Future	2019
	12000715029	BIKASH KUMAR			
	12000715030	BINAY ROY			
	12000715032	BIVEKANANDA MAJEE			
	12000715033	CHANDAN GIRI			
	12000715034	DEBAJIT SARKAR			
	12000715035	DEBRAJ GHOSH			
	12000715036	DIWAKAR KUMAR RANJAN			
	12000715037	GAURAV CHAKRABORTY			
	12000715038	GULSHAN KUMAR			
	12000715039	GUNJAN KUMAR ROY			
	12000715040	GYANJI VATSA			
7	12000716047	Sudip Kumar Gorai	Dr. Subrata Samanta and Subhajit Bhattacharya	360 Degree Flexible Drilling Machine	2020
	12000716048	Sudhir Kumar Das			
	12000716049	Sudhir Kumar			
	12000716050	Sudhanshu Kumar			
	12000716051	Subhrajit Ghosh			
	12000716053	Subham Ghosh			
	12000716054	Subhajit Konar			
	12000716055	Subhajit Dutta			
	12000716056	Subhadip Khan			
	12000716057	Subhadeep Mukherjee			
	12000716058	Souvik Sil			
	12000716059	Souvik Ganguly			
	12000716060	Sourav Kumar			
	12000716061	Soumik Chatterjee			
	1200718010	Sayan Mondal	Dr. Subrata	Study for	2021

	12000717025	Vivek Kumar Barnwal	Samanta and Subhajit Bhattacharya	Improvement of Thermal Efficiency of Power Plants	
	1200718009	Subham Mukherjee			
	12000717027	Vicky Kumar			
	12000717116	Anirban Khatua			
	12000717117	Anirban Hui			
	12000717026	Vishal Kumar Singh			
	12000718001	Uttam Kumar			
	12000717030	Sushant Kumar			
	12000718033	Akash Banerjee			
	12000717126	Abhishek Kumar			

**Invited Lectures:**

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

**Participation in faculty development programmes**

Fuzzy Logic and Neural Networks	NPTEL-AICTE Faculty Development Programme	Feb-Apr 2019 (Duration of Course - 8 weeks: Equivalent to Full FDP of One Week)
Robotics by AICTE-ATAL	Department of Mechanical Engineering, NIT Durgapur	09-12-2019 to 13-12-2019
An Introduction to Materials: Nature and Properties (Part 1: Structure of Materials)	NPTEL-AICTE Faculty Development Programme	Aug-Oct 2019 (Duration of Course - 8 weeks: Equivalent to Full FDP of One Week)
"Moodle- An ICT BAsed leArning MAnAgeMenT sysTeM (IMs) To Conquer The ACAdemIC loCk down "	ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT OF DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR IN ASSOCIATION WITH IIT BOMBAY (REMOTE LEARNING THROUGH SPOKEN TUTORIAL)	April 21 to April 25, 202
Robotics	NPTEL-AICTE	Sep-Nov 2020 (8 weeks course is equivalent to 1 week FDP)
Moder trends of Electrical Engineering and Its Appliaions	Department of Mechaniocal Engineering, Dr. B. C. Roy Engineering College, Durgapur.	
AICTE Training And Learning (ATAL) Academy Online FDP on "Robotics"	Indian Institute of Technology Ropar	2020-11-2 to 2020-11-6
AICTE Training And Learning (ATAL) Academy Online FDP on "Robotics"	NIT Durgapur.	2020-11-24 to 2020-11-28
Mechatronics	NPTEL-AICTE	Jan-Mar 2021 (8 weeks course is equivalent to 1 week FDP)
AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Engineering Optimization Techniques and its Applications (ENOTAA-2021)"	Government College of Engineering Aurangabad	2021-06-14 to 2021-06-18
AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Design of experiments and Artificial neural network"	Faculty of Engineering & Technology, M.J.P. Rohilkhand university	16/08/2021 to 20/08/2021
3D prining and Design	Department of CSE, Dr. B. C. Rpy Engineering College, Durgapur an Nikhil Bharat Shiksha Parishad	August 17-21, 2021
Robotics	NPTEL, AICT	Jul-Sep,2021, 8weeks Course equivalent to 1 Week FDP

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

### Participation in administrative committees (selected)

1. Member, Research and Development Committee, 2021

2. NSS departmental Co-ordinator, From 2013 continuing.

**Project Ideas Submitted to Govt. Agencies/ On-going Projects / Research Ideas under preparation & execution**

**Membership of professional bodies:**