



A two - day national webinar on

Optimization Technique for Engineering and Management Studies

By

Department of Basic Science and Humanities (Mathematics)

DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

And

BCREC IEEE Student Branch



Registration Fee:
Rs.100/- only

Date & time

14.01.2022 to 15.01.2022

2:30 pm to 4:30 pm

Speaker	Topic
Dr. Gautam Bandyopadhyay Associate Professor Department Of Management Studies National Institute of Technology, Durgapur-713209	DEA: Concepts and Application in Business Intelligence.
Dr. Samarjit Kar Professor Department of Mathematics National Institute of Technology, Durgapur-713209	Combinatorial Optimization: Theory, Computation and Applications.
Krishna Roy Asst Professor, Management Studies Dr. B. C. Roy Engineering College, Durgapur-713206	Application of optimisation techniques in Engineering and Management.
Dr. Shashi Bajaj Mukherjee Asst Professor, Mathematics Dr. B. C. Roy Engineering College, Durgapur-713206	Evolution of Operations Research and its impact from the Engineering and management perspective.

Organizing Committee

Chief Patron

Mr. Tarun Bhattacharya, General Secretary, BCREC

Patron

Prof. (Dr.) Sanjay S. Pawar, Principal, BCREC

Organizers

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Prof. (Dr.) Shashi Bajaj Mukherjee, BSH, BCREC

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Prof. (Dr.) Rajib Banerjee, Counsellor,
BCREC IEEE Student Branch

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Members

Prof. Koushik Senapati, BSH, BCREC

Prof. Sreejata Sen Sarma, BSH, BCREC

Prof. Sudip Gorey, BSH, BCREC

Prof. Sukarna Dey Mondal, BSH, BCREC

Prof. (Dr.) Avijit De, BSH, BCREC

Technical Support

Mr. Suman Banerjee, BSH, BCREC

About Dr. B. C. Roy Engineering College (BCREC)

Dr. B. C. Roy Engineering College, Durgapur, named after Dr. Bidhan Chandra Roy, was established on 21st August, 2000 and is situated about 160 km away from Kolkata. Affiliated to AICTE under MAKAUT, BCREC offers UG & PG courses in Engineering, Technology & Management.

Registration Link: <https://forms.gle/N7bT5FPTVDLUN1Kh6> OR

Scan the given code:



Enquiry: 9433315145, 9474730842 or 9434535617

Bank Account Details:

Name: Dr B C Roy Engineering College, Durgapur

Name of bank: Axis Bank Ltd.

Branch: City Centre, Durgapur

Account No: 213010100111263

IFSC: UTIB0000213

E-certificates
will be provided.

To
The Principal
BCREC, Durgapur

Date: 18/12/2021

Sub: Change of date and one of the speakers for the webinar organized from B.Sc. & Hu. ,
(Mathematics) department with collaboration of IEEE students' chapter, Durgapur.

Respected Sir,

We are going to conduct a two days online webinar from 14.01.2022 to 15.01.2022(2:30p.m. to 4:30p.m.) instead of 17.12.2021 and 18.12.2021 on "Optimization Technique for Engineering and Management Sciences" with the collaboration of IEEE students' chapter, Durgapur. The topic is extremely helpful for the students of CSE, IT and Management studies. In the webinar we keep Rs. 100 for registration fees as we are supposed to pay some honorarium to the outside speakers. Brochure for the program is yet to be prepared. The modified list of speakers and their respective topics are given here.

Speaker	Topic
Dr. Gautam Bandyopadhyay Associate Professor Department Of Management Studies National Institute of Technology, Durgapur-713209	DEA: Concepts and Application in Business Intelligence
Dr. Samarjit Kar Associate Professor Department of Mathematics National Institute of Technology, Durgapur-713209	Combinatorial Optimization: Theory, Computation and Applications.
Krishna roy Asst Professor, Management Studies Dr. B. C. Roy Engineering College Durgapur-713206	Application of optimisation techniques in Engineering and Management
Dr. Shashi Bajaj Mukherjee Asst Professor, Mathematics Dr. B. C. Roy Engineering College Durgapur-713206	Evolution of Operations Research and its impact from the Engineering and management perspective

We are expecting your presence and support for conducting the webinar and its positive outcome.

Thanking you

With regards

Shashi Bajaj Mukherjee
Assistant Professor
Department of Basic Science and Humanities
AP, Mathematics
Dr. B. C. Roy Engineering College
Durgapur- 713 206
Contact: 9433315145

Shashi Bajaj Mukherjee
18/12/2021

Forwarded
J. Pal.
18/12/21.



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Department of Basic Science and Humanities (Mathematics)

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PROGRAMME SCHEDULE

14.01.2022 (Friday)

<i>Time</i>	<i>Programme</i>
2:15 pm	Inaugural speech by Dr. Dr. Sanjay S. Pawar, Principal, BCRC, Durgapur.
2:20 pm	Welcome speech by Prof. Koushik Senapati, Associate Professor, Basic Science & Humanities (Mathematics), BCRC, Durgapur.
2:25 pm	Brief introduction of Dr. Shashi Bajaj Mukherjee by Prof. Sukarna Dey Mondal, Assistant Professor, Basic Science & Humanities (Mathematics), BCRC, Durgapur.
2:30 pm	Lecture by Dr. Shashi Bajaj Mukherjee, Assistant Professor, Basic Science & Humanities (Mathematics), BCRC, Durgapur.
3:30 pm	Brief introduction of Prof. Krishna Roy by Prof. Sreejata Sen Sarma, Assistant Professor, Basic Science & Humanities (Mathematics), BCRC, Durgapur.
3:35 pm	Lecture by Prof. Krishna Roy, Assistant Professor, Management Studies, BCRC, Durgapur.
4:35 pm	Vote of thanks by Dr, Jayanta Pal, HOD, Basic Science & Humanities, BCRC, Durgapur.

15.01.2022 (Saturday)

<i>Time</i>	<i>Programme</i>
2:25 pm	Brief introduction of Dr. Samarjit Kar by Prof. Sreejata Sen Sarma, Assistant Professor, Basic Science & Humanities (Mathematics), BCRC, Durgapur.
2:30 pm	Lecture by Dr. Samarjit Kar, Associate Professor, Mathematics, NIT, Durgapur.
3:30 pm	Brief introduction of Dr. Gautam Bandyopadhyay by Prof. Sukarna Dey Mondal, Assistant Professor, Basic Science & Humanities (Mathematics), BCRC, Durgapur.
3:35 pm	Lecture by Dr. Gautam Bandyopadhyay, Associate Professor, Management Studies, NIT, Durgapur.
4:35 pm	Vote of thanks by Dr, Jayanta Pal, HOD, Basic Science & Humanities, BCRC, Durgapur.

**Budget for Two days National Webinar on
“Optimization Technique for Engineering and Management Studies”**

organized by

Department of Basic Science and Humanities (Mathematics)

DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

And BCREC IEEE Student Branch

(Held on 14.01.2022 – 15.01.2022)

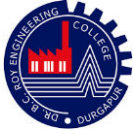
Income

Serial No	Particulars	Amount
1.	Registration Fees from Students @ Rs. 100/- (80 Students Approx)	Rs.8,000/-
	Total	Rs. 8,000/-

Expenditure

(Honorarium for Speakers & token gift for our Principal Sir)

Serial No	Particulars	Amount
1.	Pen drive (6 nos.)	Rs. 4,838.00/-
2.	Pen drive box (5 nos.)	Rs. 800.00/-
3.	Ball pen (2 nos.)	Rs. 281.10/-
	Total	Rs. 5,919.10/-



**DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR
DEPARTMENT OF BASIC SC. & HUMANITIES (MATHEMATICS)**

Dt. 27.02.2022

**REPORT on two day National Webinar on
“Optimization Technique for Engineering and Management Studies”**

A two day National webinar entitled “**Optimization Technique for Engineering and Management Studies**” was held on 14th – 15th January, 2022 between 2:30 – 4:30 pm in online mode from Dr. B. C. Roy Engineering College, Durgapur (venue) with four speakers; namely Prof. (Dr.) Shashi Bajaj Mukherjee, Prof. Krishna Roy, Prof. (Dr.) Samarjit Kar and Prof. (Dr.) Gautam Bandyopadhyay along with 80 participants from all over the country. It was jointly organized by Department of Basic Science and Humanities (Mathematics), Dr. B. C. Roy Engineering College and BCREC IEEE Student Branch with a registration fee of Rs. 100/-.

On the first day Prof. (Dr.) Shashi Bajaj Mukherjee talked about the evolution of Operations Research, its three phases which are formulation, analysis, and interpretation and also its impact in various fields from the perspective of Engineering and Management.

Prof. Krishna Roy discussed about the broad range of application of optimisation techniques in Engineering and Management in light of advances in computing systems which have become increasingly important and popular in modern times.

On the second day Prof. (Dr.) Samarjit Kar discussed about the theory, computation and applications of combinatorial optimization which is a subfield of mathematical optimization that consists of finding an optimal object from a finite set of objects, where the set of feasible solutions is discrete or can be reduced to a discrete set.

Prof. (Dr.) Gautam Bandyopadhyay spoke about the concepts and application of Data Envelopment Analysis (DEA) in Business Intelligence. He discussed about the tool which is a nonparametric method in operations research and economics for the estimation of production frontiers and also used for benchmarking in operations management.

Name(In Capital)	Designation	Institute/Organization Name (In Capital)
AYUSH ANAND	Student	DR. B.C.ROY ENGINEERING COLLEGE DURGAPUR
ABIR MUKHERJEE	Artificial intelligence and machine learning btech	Dr. B C Roy Engineering College, Durgapur
AIHIK MAHINDER		DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR
ASHISH KUMAR MONDAL	PhD scholar	BANASTHALI VIDYAPITH
AMARDIP ANAND	Student	Dr BC Roy Engineering college (Durgapur)
AMARJEET KUMAR	No	DR. B.C.ROY ENGINEERING COLLEGE DURGAPUR
AMITAVA CHAKRABORTY	Assistant Professor	ASANSOL ENGINEERING COLLEGE
Ananya Banerjee	Student	Dr. B .C .Roy Engineering college
ANIJIT DIGAR	Student	DR BC ROY ENGINEERING COLLEGE
ANJALI SINGH	Student	DR.B.C ROY ENGINEERING COLLEGE
ANKIT KUMAR SINGH	Btech in computer science engineering(Aiml)	DR. B.C ROY ENGINEERING COLLEGE, DURGAPUR
MUSKAN NISHA	No	Dr B C Roy Engineering College Durgapur
Arittra Chakraborty	Electronics And Communication Engineering Student	DR.B.C.ROY ENGINEERING COLLEGE
ARNAB MONDAL	Student	DR B C ROY ENGINEERING COLLEGE DURGAPUR.
ARUNIMA SAHA	B.Tech. in Computer Science (Artificial Intelligence & Machine Learning)	Dr B.C. Roy Engineering College, Durgapur
ASHUTOSH BADHUK	Student	Dr. BC Roy Engineering College
Baishakhi Adhikary	Student	DR BC ROY ENGINEERING COLLEGE
INDRANIL BANERJEE	STUDENT (M.TECH CSE)	DR. B.C. ROY ENGINEERING COLLEGE, DURGAPUR
BAISHAKHI GANGULY	Dr.	SHERAFULLI SURENDRANATH VIDYANIOETAN FOR GIRLS HIGH SCHOOL
SPANDITA BISWAS	B.Tech (1st) Student of Electronic and Communication Engineering Department	Dr. B. C. Roy Engineering College
SANTANU BHATTACHARYA	Research scholar	Jadavpur University
CHANDNI PRASAD	B.tech in Artificial Intelligence and Machine Learning.	Dr. BIDHAN CHANDRA ROY ENGINEERING COLLEGE.
DEBARGHAYA MONDAL	Student	DR. B.C. ROY ENGINEERING COLLEGE
PABITRA GOSWAMI		Dr. B C ROY ENGINEERING COLLEGE, DURGAPUR
DIPTESH MANDAL	Student	DR. B C ROY ENGINEERING COLLEGE
PRITY DAS	Student	DR B C ROY ENGINEERING COLLEGE, DURGAPUR
SHAILJA JHA		DR B C ROY ENGINEERING COLLEGE
JOYDEEP MALLICK	STUDENT	DR BC ROY ENGINEERING COLLEGE
KALYAN MAJI		DR. B.C.ROY ENGINEERING COLLEGE
AMITAVA KAR	Assistant Professor	ASANSOL ENGINEERING COLLEGE
MAMUN RAHAMAN	STUDENT	DR B.C ROY ENGINEERING COLLEGE - Durgapur
NIKHIL KUMAR GUPTA	STUDENT	Dr. B.C. Roy Engineering College, Durgapur
ABHISHEK KUMAR	Student	Dr. B.C. ROY ENGINEERING COLLEGE, DURGAPUR
MAYANK KUMAR	Artificial Intelligence and Machine Learning- 1st year	DR. B.C ROY ENGINEERING COLLEGE DURGAPUR
NILKAMAL BAR	Research Scholar	Banasthali Vidyapith
NIKKI SINGH	Electronics and communication b.tect 1 year	Dr B C Roy Engineering College - Durgapur. College in Durgapur, West Bengal
NISHIKANT ROY	Student	DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR
PAWAN KUMAR	No	Department of basic science and humanities
ADITYA VIKRAM PODDAR	Student	DR B C. ROY ENGINEERING COLLEGE, DURGAPUR
RAHUL PRAMANIK	Student	DR B.C ROY ENGINEERING COLLEGE DURGAPUR
RABINDRA TUDU	Earn knowledge	DR. B.C.ROY ENGINEERING COLLEGE DURGAPUR
ABHIRUP ROY	Student	DR.B.C.ROY ENGINEERING COLLEGE
SALONI KUMARI	Student	DR. B.C.ROY ENGINEERING COLLEGE DURGAPUR
SAYAK CHATTERJEE	Student	DR. B.C.ROY ENGINEERING COLLEGE DURGAPUR

SAYAN BANERJEE Student
SHUBHAM KUMAR SINGH PH.D. Scholar
SNEHASISH SEN STUDENT
SOHEL CHOWDHURY STUDENT OF MECHANICAL ENGINEERING
SOURABH KUMAR THAKUR Student
SHARMILA SAREN Assistant Professor
SUKDEV MAHATO STUDENT
SUMANKAR SAHA STUDENT
SUMI KAR Research Scholar
Suraj Kumar Student
MD ZEESHAN KHAN BTech in computer science (AIML)

SHUBHAM KUMAR Student
Priyanshu No
KUMARI AMISHA DAS No
SHUBHAM SOURAV Student
ANKUR GHOSH Goghat , Hooghly-712614
SANTU KAPRI Student
Joyita Ghosh Student
KANKAN CHATTERJEE Student
RISHABH PRATIK STUDENT
CHAITALI SAHA Student
Dipayan Majumder Mechanical Engineering
PAPAI OJHA Electronics and communication b.tect 1 year
NIKKI SINGH

DR. B.C.ROY ENGINEERING COLLEGE DURGAPUR
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Dr. B C ROY ENGINEERING COLLEGE
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Department of Basic Science and Humanities (Mathematics)
DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR



And

BCREC IEEE Student Branch

CERTIFICATE OF APPRECIATION

This Certificate is awarded to

Mr./Ms./Mrs./Dr.

Gautam Bandyopadhyay

from

National Institute of Technology, Durgapur

for sharing his / her valuable knowledge as an invited speaker in a two – day National Webinar on

“Optimization Technique for Engineering and Management Studies” organized by

Department of Basic Science and Humanities (Mathematics), DR. B. C. ROY ENGINEERING

COLLEGE, DURGAPUR and BCREC IEEE Student Branch held on 14th and 15th January,

2022.

DR. CHANDAN KONER
Chairman, BCREC
IEEE Student Branch

DR. JAYANTA PAL
HOD, BSH, BCREC

DR. SANJAY S. PAWAR
PRINCIPAL, BCREC



Department of Basic Science and Humanities (Mathematics)
DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR

IEEE
Student Branch - BCREC

And

BCREC IEEE Student Branch

CERTIFICATE OF PARTICIPATION

This Certificate is awarded to

SANTANU BHATTACHARYA

Mr./Ms./Mrs./Dr.

from

Jadavpur University

*for participating in a two – day National Webinar on “**Optimization Technique for Engineering and Management Studies**” organized by Department of Basic Science and Humanities (Mathematics), DR. B. C. ROY ENGINEERING COLLEGE, DURGAPUR and BCREC IEEE Student Branch held on 14th and 15th January, 2022.*

Shashi Bajaj Mukherjee
DR. SHASHI BAJAJ MUKHERJEE
BSH (Maths), BCREC
(Organizer)

Jaya Mukhopadhyay
DR. JAYA MUKHOPADHYAY
BSH (Maths), BCREC
(Convenor)

C Koner
DR. CHANDAN KONER
Chairman, BCREC IEEE Student
Branch (Organizer)

J. Pal
DR. JAYANTA PAL
HOD, BSH, BCREC
(Convenor)