



**GOVERNMENT OF WEST BEGAL
OFFICE OF THE PRINCIPAL
DURGAPUR GOVERNMENT COLLEGE**
J.N. Avenue, Durgapur, Paschim Bardhaman 713214

No. 318

Date: 16-07-2024

NOTIFICATION

This is for information to all concerned that Department of Mathematics will organize online invited lecture and interactive session on "**An Introduction to Graph Colouring and Applications**" by **Dr. Samir Shukla, Assistant Professor, Department of Mathematics, IIT Mandi** on **22-07-2024 from 3 pm onwards** under the DBT STAR COLLEGE SCHEME for students, research scholars and faculty members of Departments of Botany, Chemistry, Conservation Biology, Geology, Mathematics, Physics and Zoology.

The registration link for the aforementioned event is given below:

<https://forms.gle/qjQnEkeDizmNpjz57>

The flyer of the event is enclosed herewith for details.

Heads of all Departments, Departmental Coordinators and Faculty members of the aforementioned departments are requested to register and participate in the aforementioned event and also inform all students of their respective departments to register and actively participate in the aforementioned event.

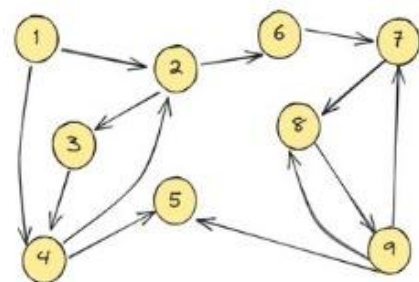
Nivedita Acharjee

Dr. Nivedita Acharjee
Coordinator, DBT STAR COLLEGE SCHEME
Durgapur Government College

Principal
Durgapur Government College

Copy forwarded for information and necessary action to

- 1. All faculty members of the Departments of Botany, Chemistry, Conservation Biology, Geology, Mathematics, Physics and Zoology*
- 2. Departmental Coordinators of all participating departments of DBT STAR COLLEGE SCHEME*
- 3. Departments of Botany, Chemistry, Conservation Biology, Geology, Mathematics, Physics and Zoology*
- 4. For uploading to the College Website*
- 5. Notice Book, Office of the Principal*



An introduction to graph colouring and applications

Durgapur Government College

Accredited by NAAC with "A" Grade in 2017

Affiliated to Kazi Nazrul University | UGC 2(f) and 12(B) Recognized

DBT STAR COLLEGE SCHEME

ONLINE INVITED LECTURE AND INTERACTIVE SESSION THROUGH GOOGLE MEET PLATFORM

"An introduction to graph colouring and applications"

July 22, 2024



Dr. Samir Shukla
Assistant Professor
Department of Mathematics
IIT Mandi

Organized by

Department of Mathematics
Durgapur Government College

Registration Link

<https://forms.gle/qjQnEkeDizmNpJz57>

Abstract

A graph G is a pair of sets $(V(G), E(G))$, where $V(G)$ is called the set of vertices and $E(G) \subseteq \binom{V(G)}{2}$ called the set of edges. Graphs have been used to model many real life problems. A colouring of a graph G is an assignment of colours to each vertex in such a way that if any two vertices form an edge then they must be assigned different colours. Graph colourings have many real life applications. In this talk we give a brief introduction about graph colouring and their applications.

SCHEDULE

3.00 pm to 3.10 pm: Inaugural Session
Welcome Speech by the Principal,
Durgapur Government College,
Objective of the lecture series by
Coordinator, DBT Star College Scheme

3.10 pm to 4.10 pm Invited Lecture by
Dr. Samir Shukla followed by
Interactive Session with participants.

4.10 pm to 4.15 pm: Vote of Thanks by
Dr. Pratikshan Mondal

Patron

Dr. Debnath Palit, WBSES
Principal, Durgapur Government
College

Coordinator, DBT Star College Scheme

Dr. Nivedita Acharjee
Assistant Professor of Chemistry

Convenor

Dr. Amiya Biswas
Assistant Professor of Mathematics &
Departmental Coordinator, DBT STAR
COLLEGE SCHEME

Organizing Committee

Dr. Pratikshan Mondal, HOD,
Department of Mathematics.
Sri Sibaji Rit, Assistant Professor
Sri Soumendu Nandy, Assistant Professor
Department of Mathematics