

DEPARTMENT OF MATHEMATICS

CO-OPERATIVE ARTS AND SCIENCE COLLEGE, MADAYI

Payangadi RS (PO), Kannur, Kerala – 670358. Mail-id: mathematics@cascollege.ac.in

03.06.2023

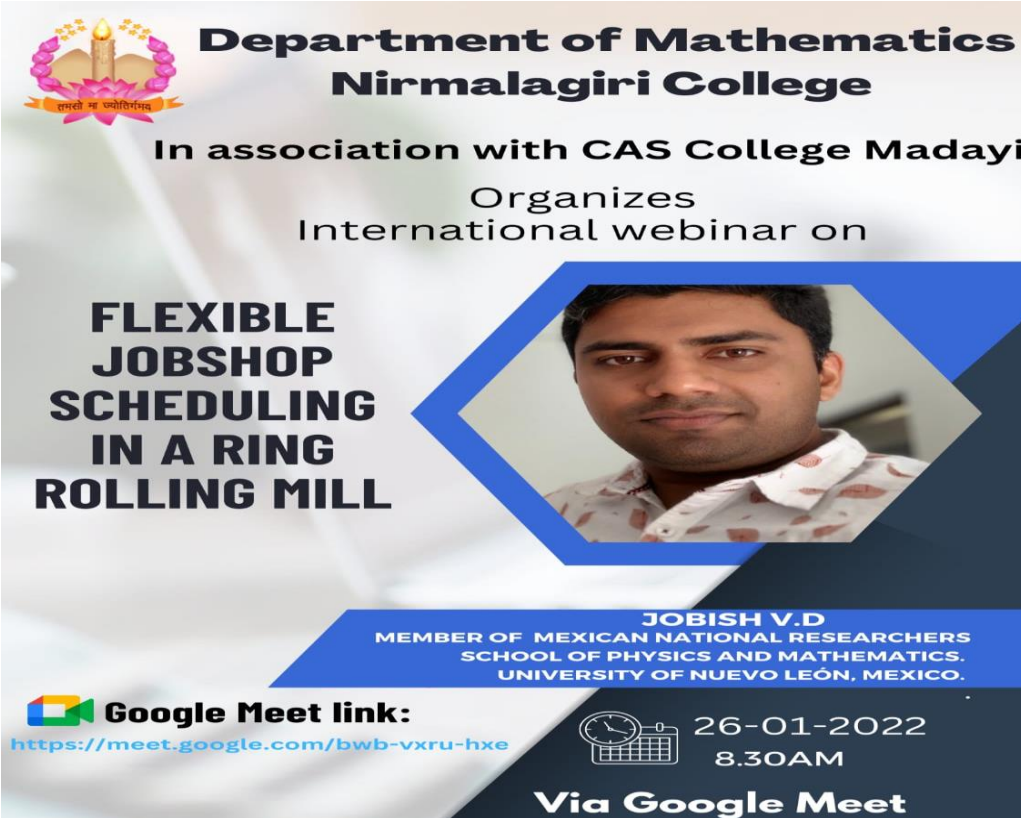
Programme Report

Name of the Programme: International Webinar “Flexible Job Shop Scheduling in a Ring Rolling Mill

Date: 13th June 2023

Venue: Google Meet

The Department of Mathematics successfully organized an International Webinar on "Flexible Job Shop Scheduling in a Ring Rolling Mill" on 13th July 2023. The webinar featured a distinguished lecture by Dr. Jobish VD, a renowned expert from the School of Physics and Mathematics, University of Nuevo Leon, Mexico. Dr. Jobish shared his valuable insights and expertise on the topic, providing a comprehensive understanding of the complexities involved in flexible job shop scheduling. The webinar was well-received by participants from diverse backgrounds, fostering a global exchange of ideas and knowledge in the field of mathematics.





Department of Mathematics
Nirmalagiri College

In association with **CAS College Madayi**
Organizes
International webinar on

**FLEXIBLE
JOBSHOP
SCHEDULING
IN A RING
ROLLING MILL**

JOBISH V.D
MEMBER OF MEXICAN NATIONAL RESEARCHERS
SCHOOL OF PHYSICS AND MATHEMATICS,
UNIVERSITY OF NUEVO LEÓN, MEXICO.

 **Google Meet link:**
<https://meet.google.com/bwb-vxru-hxe>

 26-01-2022
8.30AM

Via Google Meet

DEPARTMENT OF MATHEMATICS

CO-OPERATIVE ARTS AND SCIENCE COLLEGE, MADAYI

Payangadi RS (PO), Kannur, Kerala – 670358. Mail-id: mathematics@cascollege.ac.in

Problem description

★ The GFJSP consists in assigning each operation to a compatible machine and ordering the sequence of operations on the machines, such that the maximal completion time (makespan) of all operations is minimized and several constraints like machines capacity, time lags, holding times, and sequence-dependent set up times are satisfied.

Given a set of jobs, each one composed of:

O a set of operations M a set of machines,

p_{im} processing time of operation i in machine m
 a_{ijn} setup time between consecutive operations i and j assigned to the same machine m
 h_{im} maximum holding time - extra time of operation i in machine m after being processed
 δ_m delay - the loading & unloading times between consecutive operations on a machine m

Jobish is presenting

Jobish Sabu Rency
You Sruthi M 47 others

Problem description

★ The GFJSP consists in assigning each operation to a compatible machine and ordering the sequence of operations on the machines, such that the maximal completion time (makespan) of all operations is minimized and several constraints like machines capacity, time lags, holding times, and sequence-dependent set up times are satisfied.

Given a set of jobs, each one composed of:

O a set of operations M a set of machines,

p_{im} processing time of operation i in machine m
 a_{ijn} setup time between consecutive operations i and j assigned to the same machine m
 h_{im} maximum holding time - extra time of operation i in machine m after being processed
 δ_m delay - the loading & unloading times between consecutive operations on a machine m

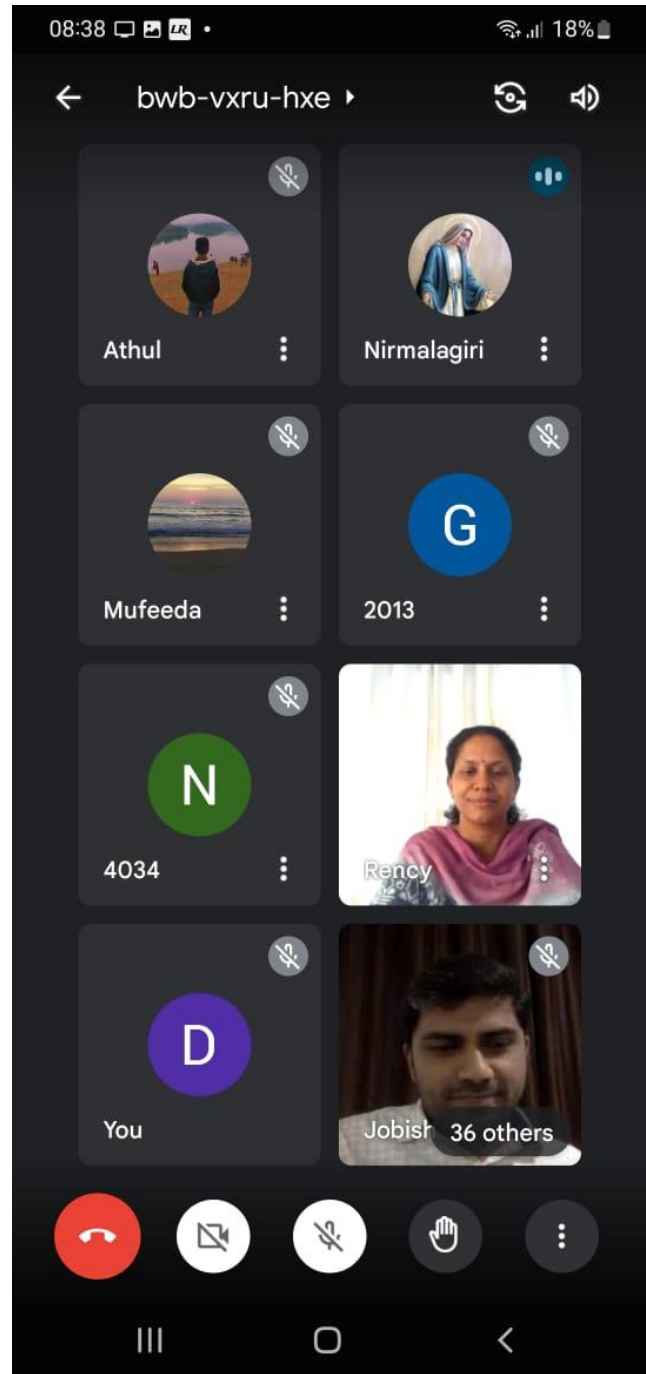
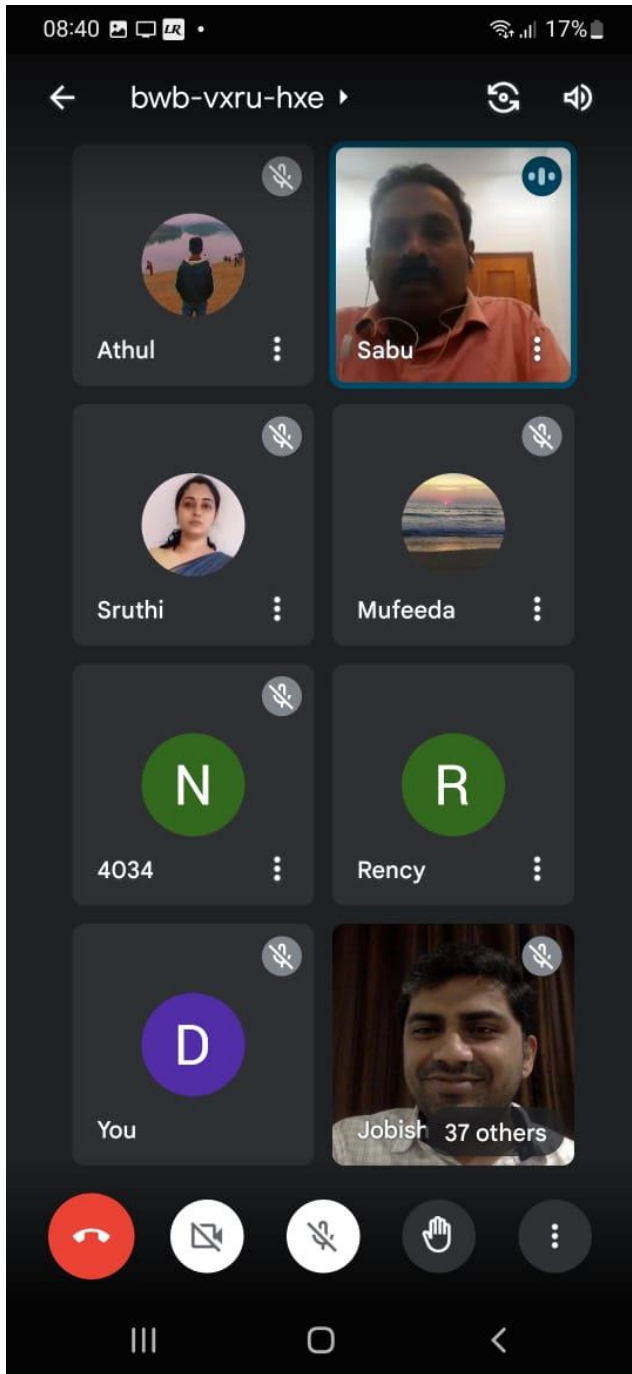
Jobish is presenting

Jobish Sabu Rency
You Sruthi M 47 others

DEPARTMENT OF MATHEMATICS

CO-OPERATIVE ARTS AND SCIENCE COLLEGE, MADAYI

Payangadi RS (PO), Kannur, Kerala – 670358. Mail-id: mathematics@cascollege.ac.in



DEPARTMENT OF MATHEMATICS

CO-OPERATIVE ARTS AND SCIENCE COLLEGE, MADAYI

Payangadi RS (PO), Kannur, Kerala – 670358. Mail-id: mathematics@cascollege.ac.in

