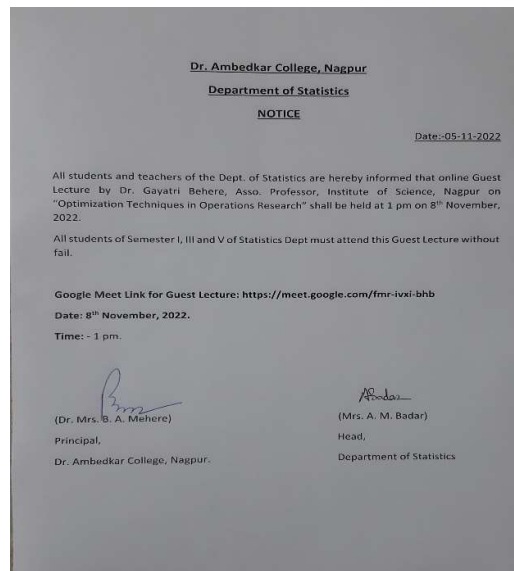


Dr. Ambedkar College, Deekshabhoomi, Nagpur
Department of Statistics

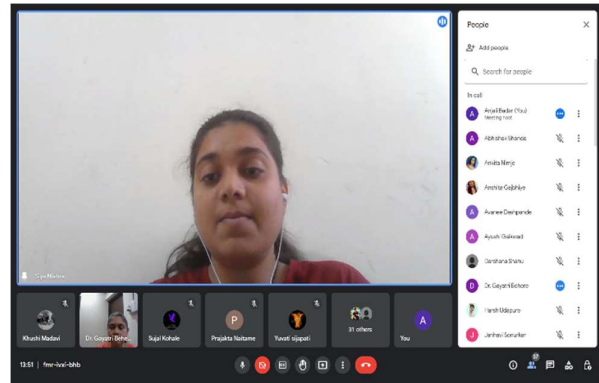
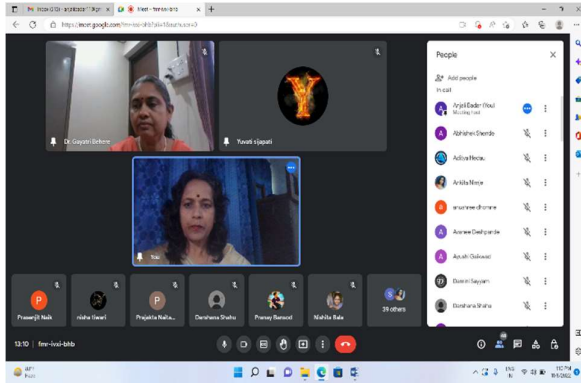
Guest Lecture by Dr. Gayatri Behere on
“Optimization Techniques in Operations Research”
On 8th November, 2022

The Statistical Society of Dr. Ambedkar College organized a guest lecture as a part of its annual programme plan. Dr. Gayatri Behere, Asso. Professor, Department of Statistics, Institute of Science, Nagpur was invited to deliver guest lecture on “Optimization Techniques in Operations Research”. Mrs. A. M. Badar, Head, Department of Statistics heartily welcomed guest followed by introductory remarks and formal introduction of guest.

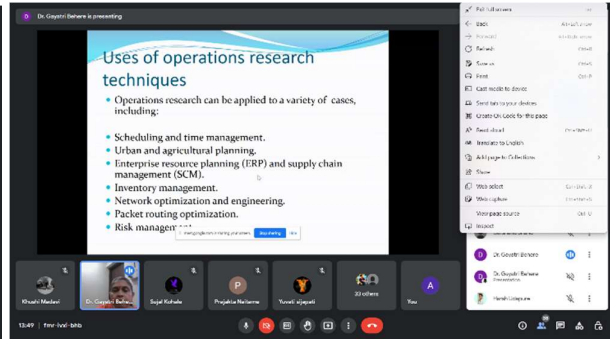
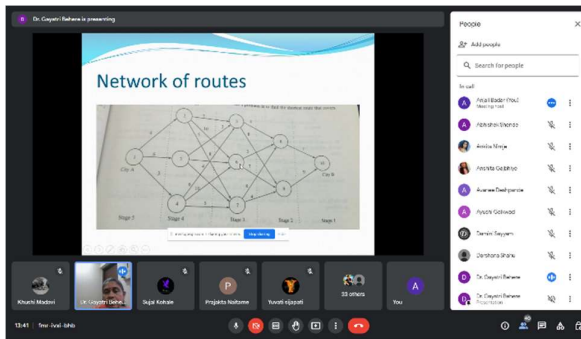


Dr. Gayatri Behere stated that Operations Research is an analytical method of problem solving and decision making which is useful in the management of the organizations. She informed the audience that the concept of Operations Research arose during World War II by military planners after the war. She explain how the techniques used in the operations research are applied for addressing problems in business, the government and the society. The field of operations research provides a more powerful approach to decision making than ordinary software and data analytics tools.

Dr. Gayatri Behere madam gave information about commonly used optimization techniques of Operations Research such as linear programming, queuing theory, network analysis, dynamic programming, assignment problems, inventory control models etc. She explained how to do decision making using dynamic programming techniques. She also explained forward recursion and backward recursion methods for solving dynamic programming problems. She informed the students about the following uses of operation research techniques. Scheduling and time management, Urban and agricultural planning, Enterprise resource planning and supply management, Inventory management, Network optimization and engineering, Risk management, Packet routing optimization.



Guest lecture in progress in online mode. Ms. Siya Mishra introducing Guest Speaker.



Discussion of shortest route problem. Information shared with students by speaker.

Ms. Avaneesh Deshpande, a student of B. Sc. Final Year proposed a vote of thanks in which she expressed that the lecture given by the Guest Speaker was very informative. She said that even though the topic of Operations Research was difficult to understand, the Guest Speaker explained it with a simple day to day example. The programme was attended by 48 students of B. Sc. Final Year.