NOTICE

All final year B.Sc Mathematics students are cordially invited to participate in a field trip to the Kandula Obula Reddy Gundlakamma Reservoir in Chinna Mallavaram (Vi), Maddipadu (Md), Prakasam (Dt) on 07/05/2022. The field trip aims to provide an opportunity for students to observe and understand the mathematics involved in the construction of the dam and to appreciate the importance of mathematics in such constructions.

During the field trip, students will have the opportunity to observe the dam's structure and its various components, including the sluice gates, intake towers, and spillways. Lecturers will explain how mathematical concepts such as calculus, geometry, and trigonometry were applied in designing and constructing the dam. Students will also learn about the various techniques used to calculate the water storage capacity, flow rate, and velocity.

Interested students are required to register their names with the Department of Mathematics by 05/05/2022. Transportation will be arranged by the department. The field trip will begin at 9:00 am and conclude at 4:00 pm.

For further details, please contact the Department of Mathematics.

Principal

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523001, Prakasam Dist.

FIELD TRIP REPORT

DEPARTMENT : **MATHEMATICS**
DATE : **07/05/2022**
PLACE OF VISIT : **KANDULA OBULA REDDY GUNDLAKAMMA RESERVOIR**
Chinna Mallavaram (Vi) Maddipadu (Md) Prakasam (Dt)
NO.OF STUDENTS PARTICIPATED : **20**

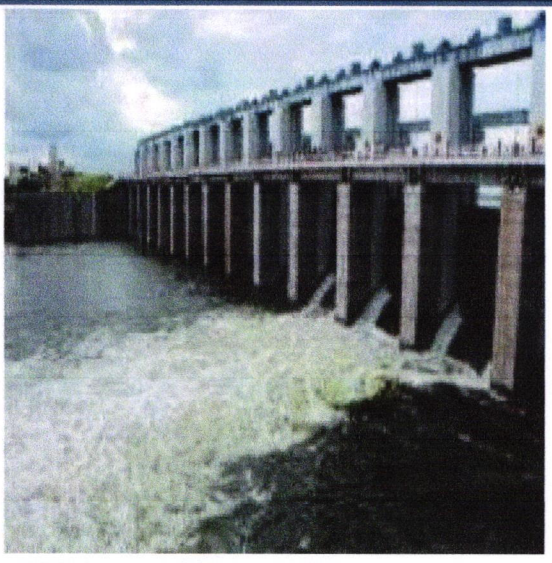
On 07/05/2022, the final year B.Sc Mathematics students along with lecturers visited the Kandula Obula Reddy Gundlakamma Reservoir in Chinna Mallavaram (Vi), Maddipadu (Md), Prakasam (Dt). The primary objectives of the trip were to understand the mathematics involved in the construction of the dam and to realize the importance of mathematics in such constructions.

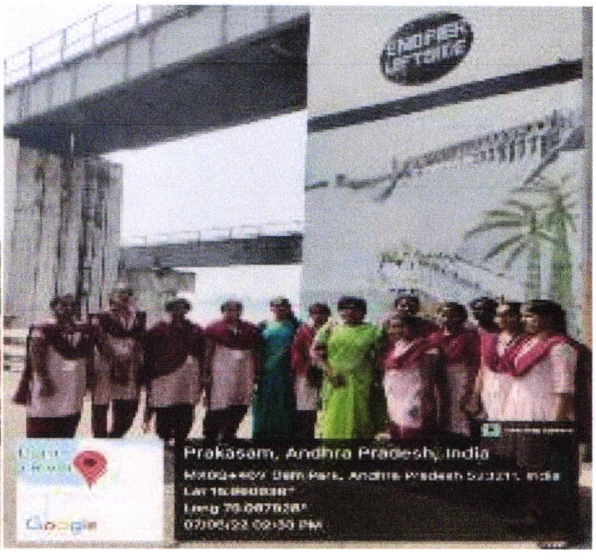
The Kandula Obula Reddy Gundlakamma Reservoir project was built on the Gundlalam river, with a height of 80 feet at Mallavaram and a storage capacity of 12.845 tmns. The project aims to provide irrigation for 62,368 acres in Kharif and 80,060 acres in Rabi, and was constructed with a cost of 592 crores. The water was released from the project by the late Chief Minister Dr. YS Rajasekhar Reddy in November 2008. In addition to irrigating the land, the project provides drinking water to 250,000 people in Ongole. The storage capacity of the reservoir project is 56 million cubic meters.

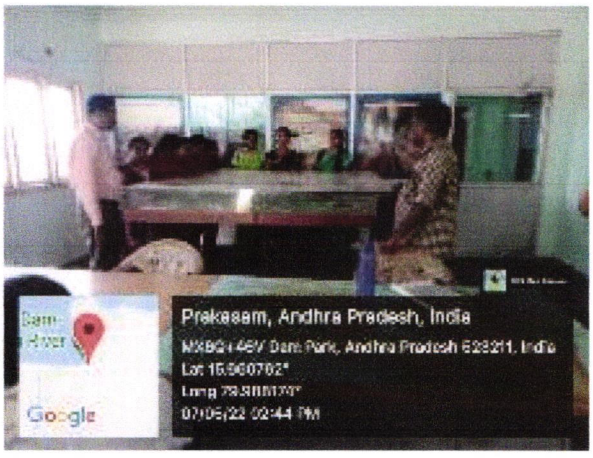
During the field trip, the students had an opportunity to observe and understand the dam's structure and its various components, including the sluice gates, intake towers, and spillways. The lecturers explained how mathematical concepts such as calculus, geometry, and trigonometry were applied in designing and constructing the dam. The students also learned about the various techniques used to calculate the water storage capacity, flow rate, and velocity.

Furthermore, the students were able to appreciate the critical role of mathematics in the construction of dams and the importance of accurate mathematical calculations in ensuring their safety and reliability. The field trip was an enriching experience for the students and provided them with valuable insights into the real-world applications of mathematics.

In conclusion, the field trip to the Kandula Obula Reddy Gundlakamma Reservoir was a great success. It allowed the students to learn about the mathematics involved in the construction of the dam and its importance. The experience was both educational and inspiring, and the students gained a newfound appreciation for the application of mathematical concepts in real-world scenarios.







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