

MOUNT CARMEL COLLEGE, AUTONOMOUS

BENGALURU

EVENT: Bharath Bhoomi Talk - Guest Lecture on Introduction to GIS for Natural Resource Management

In Association with: Bharat Bhoomi

DURATION: 09 AUGUST 2023

MODE OF EVENT CONDUCTED: Offline, GJB

NO. of Participants: 60

DESCRIPTION:

A distinguished guest lecture titled “*Introduction to GIS for Natural Resource Management*” was organized by Mount Carmel College, Autonomous, Bengaluru, in association with Bharat Bhoomi. The event was held from December 4th to December 9th, 2023, and was aimed at enhancing students' understanding of Geographic Information Systems (GIS) and their applications in natural resource management.

A total of 60 participants, primarily MSc students from disciplines like Environmental Science, Geography, and related fields, attended the lecture. The event provided an excellent opportunity for students to engage with an expert in the field and to deepen their understanding of GIS technology.

Topic: Introduction to GIS and its Applications in Natural Resource Management

The talk was focused on introducing Geographic Information Systems (GIS) as a tool for managing natural resources effectively. Mr. Venugopal, the founder of Bharat Bhoomi, delivered insightful sessions that highlighted the significance of GIS in mapping, analyzing, and managing land and resource data. Attendees learned about the basic principles of GIS, the different components of GIS technology, and the importance of spatial data in environmental management.

Topic: GIS Tools and Techniques for Resource Mapping

The next talk was a lecture focused on practical applications and tools used in GIS for mapping natural resources. Participants were introduced to different GIS software, tools, and techniques that are commonly employed for resource mapping, such as satellite imagery, remote sensing, and GIS-based software platforms. The session involved practical demonstrations on how GIS can be used to monitor and manage resources like water, forests, and land.

Topic: Case Studies in GIS for Environmental Sustainability

The next talk was dedicated to real-world case studies in GIS applications. Mr. Venugopal presented case studies where GIS has been used to address key challenges in natural resource management, including sustainable agriculture, wildlife conservation, and climate change monitoring. Participants had the chance to analyze and discuss these case studies, gaining a deeper understanding of how GIS can contribute to sustainable resource management and environmental conservation.

SUMMARY:

The Bharath Bhoomi Talk, focusing on GIS for Natural Resource Management, proved to be an enriching experience for the students. The sessions helped participants gain valuable insights into how GIS can be leveraged to better manage and conserve natural resources. The event equipped them with a foundational understanding of GIS technology, its tools, and applications, preparing them to engage in innovative solutions for sustainable development. The guest lecture was an excellent platform for interaction between students and an industry expert, fostering a deeper interest in the field of GIS and its potential for addressing global environmental challenges.



Principal's Desk

Departments of Environmental Science
& Computer Science



Guest Lecture on
*“Introduction to GIS for
Natural Resource Management”*

Thank you

Mr. Venugopal , Founder, Bharat Bhoomi

Dr. George Lekha
Principal

9th August