



SYMBIOSIS INSTITUTE OF GEOINFORMATICS

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956 vide notification No. F.9-12/2001-U3 Govt. of India)

Re-accredited by NAAC with 'A++' grade

Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

Workshop on 'Drone Mapping Using GIS'.

19th–20th March 2024

SIG with collaboration of YelloSKYE has organized Two-day **Workshop on 'Drone Mapping Using GIS'**.

The objective of the workshop was as follows:

1. Develop a comprehensive understanding of drone technology.
2. Acquire practical skills in planning and executing drone flights.
3. Master the process of data collection using drones.
4. Gain proficiency in utilizing GIS software to process and analyze drone-collected data.

Details of Workshop:

The aviation and mapping sectors are in the midst of a significant transformation fueled by advancements in drone technology. Drones now provide real-time, high-resolution imagery, offering valuable insights across various applications. We're thrilled to announce a two-day workshop in collaboration with YelloSKYE, a prominent figure in the aviation industry, focusing on drone flying and data processing. We extend a warm welcome to Kush Agarwal, CEO of YelloSKYE, and his team from SIG as we collectively explore the vast potential of drone mapping and UAV technology.

The hands-on training, hosted at SIU, Lavale, delivers a blend of theoretical knowledge and practical skills essential for safe drone operation. Prior to the hands-on session, participants receive briefings on safety protocols and regulatory guidelines governing drone operation. They are introduced to the components of drones, including the aircraft itself, remote controllers, batteries, and propellers.

The training commences with foundational flight maneuvers such as takeoff, landing, hovering, ascending, descending, and basic directional movements. Participants actively engage in their inaugural hands-on flying experience, under the guidance of the training team. Furthermore, the training encompasses mapping techniques and the collection of Ground Control Points (GPS) using DGPS technology.

Throughout the workshop, participants learn to meticulously plan flights, considering factors such as airspace restrictions, weather conditions, battery life, and mission objectives. They gain invaluable practical experience in executing predefined flight missions with precision and safety, thereby enhancing their overall proficiency in drone operation and data collection.

Glimpse of the Workshop on “Drone Mapping Using GIS”

