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WHY CHOOSE BS IN GEOSPATIAL TECHNOLOGY?

CAREER OPPORTUNITIES

• Open doors to diverse careers in industries such as environmental management, urban planning, agriculture, and defense, or pursue higher studies in geoinformatics.

LABORATORY & FIELD EXPERIENCE

• Hands-on training in our dedicated geospatial technology lab and outdoor field trips to enhance real-world skills.

STRATEGIC COLLABORATIONS

• With prestigious institutions like ISRO, ensuring exposure to the latest advancements in geospatial technology.

OUR FACULTY



DR. TARIQ ABDULLAH Head & Asst. Professor Dept. of Planning & Geomatics



DK. JASIA BASHIK Asst. Professor Dept. of Planning & Geomatics

MR. MOHAMMAD SALEEM Asst. Professor Dept. of Planning & Geomatics,IUST

CONTACT US

PHONE NO.: +91-7889549043 EMAIL: hod.dopg@iust.ac.in ADDRESS: 1-UNIVERSITY AVENUE, AWANTIPORA, PULWAMA, 192122





DEPARTMENT OF PLANNING & GEOMATICS (\bullet)

ABOUT THE DEPARTMENT

At the Department of Planning & Geomatics, we are currently running an interdisciplinary Ph.D. program (3 Year), and offering unparalleled opportunities for aspiring scholars to delve into cutting-edge geospatial technologies, embrace interdisciplinary approaches, and engage deeply with their communities. In addition, we will be offering a 4-year BS in Geospatial Technology and a Minor in Space Technology starting from the next academic session. Through this program, we aim to equip our students with the tools they need to tackle the complex challenges of our time. From advancing spatial analysis techniques to fostering collaboration between academia, industry, and government, our goal is to develop solutions that promote sustainable development and improve the quality of life for all.

OUR VISION

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Striving for excellence in geospatial and planning sciences for societal benefits through knowledge transfer, geospatial technology and innovative planning methodologies while building core competence in emerging frontiers.

OUR MISSION

Our mission is to cultivate a dynamic learning environment that empowers future leaders in planning and geomatics to harness cutting-edge technologies, interdisciplinary approaches, and community engagement to:

- Advance spatial analysis and modelling techniques to address complex socio- economic and environmental challenges.
- Foster collaboration between academia, industry, and government to develop innovative solutions for sustainable urban and rural development.
- Drive research and innovation in geospatial technologies, including remote sensing, GIS, and data analytics, to support evidence-based decision-making.
- Equip students with practical skills, critical thinking abilities, and ethical values necessary to address global issues and shape the future of our planet.

VICE CHANCELLORS' MESSAGE

I am pleased to announce that IUST has recently launched a 4-year Bachelor's program in Geospatial Technology, along with a Minor program in Space Technology. Geomatics integrates various technolgies such as remote sensing, GIS, GPS, and computer sciences. The program aims to enhance students' technical skills in applying geospatial technologies to address pressing environmental, social, and economic challenges. The curriculum is aligned with the latest trends in geospatial science and emphasizes practical applications in a wide range of fields through hands-on exercises, case studies, and an independent dissertation. Given the anticipated demand for Geomatics professionals in India by 2030, it is essential to equip our students with the necessary knowledge and skills in this field to meet industry needs.

Prof. Shakil Ahmad Romshoo

COURSE OFFERED

• Bachelor of Science in Geospatial Technology

PROGRAM STRUCTURE

- Duration: 4 Years | Credit Hours: 160
- Eligibility: 10+2 in Science
- Core Courses: GIS, Remote Sensing, Cartography, Spatial Data Analysis, Geospatial Database Management, Geospatial Modelling, Big Data Analysis
- Electives: Environmental Applications, Urban Planning, Climate Change Studies, Disaster Management

PROGRAM HIGHLIGHTS

INNOVATIVE & INCLUSIVE CURRICULUM

• Designed to equip students with comprehensive knowledge in Geoinformatics, GIS, Remote Sensing, and GPS technologies.

HANDS-ON LEARNING

• Hands-On Learning Emphasis on practical skills through laboratory work, projects, and field studies.

RESEARCH-DRIVEN ENVIRONMENT

 Access to the latest research in geospatial science with faculty experienced in diverse fields like glacier dynamics, climate change, and environmental studies.

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Explore the interdisciplinaryworld of geospatial technology, where cuttingedge technology meets real- world applications in environmental management, urban planning, disaster management, and many more. ()