

## Registration Form

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_

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\_\_\_\_\_ Pin: \_\_\_\_\_

Email-ID : \_\_\_\_\_

Mobile No: \_\_\_\_\_

Title of the Paper : \_\_\_\_\_

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Accommodation Required : Yes/No

Any other Information :

Date:

Signature :

Online Registration

<https://goo.gl/forms/sv7dFocfHkMcsr002>



Book –Post

## National Seminar on Mapping, Modelling and Management of Natural Resources through Geoinformatics

15-16 March, 2019

To

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### Seminar Coordinators

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*UGC-SAP-DRS-II Sponsored*



ज्ञान-विज्ञान विमुक्तये

## National Seminar on Mapping, Modelling and Management of Natural Resources through Geoinformatics

15-16 March, 2019



*Organised by*

Department of Geography

*(UGC-SAP-DRS - II)*

Bharathidasan University

Tiruchirappalli - 620 024

Tamil Nadu

**Chief Patron**  
**Prof. P. Manisankar**  
Vice-Chancellor  
Bharathidasan University

**Patron**  
**Prof. G. Gopinath**  
Registrar  
Bharathidasan University

**Organisers**  
**Dr. R. Jegankumar**  
Assistant Professor and Head  
**Dr. P. Masilamani**  
Assistant Professor  
**Prof. Dr. K. Kumaraswamy**  
UGC-BSR Faculty Fellow

#### About the Department

The Department of Geography was established in Bharathidasan University in July 2001 with the vision to conduct research in frontier and emerging areas of Geography and to disseminate the knowledge to the community. Between 1997 and 2001 the faculty members of the Department of Geography were attached with the erstwhile School of Earth Sciences composed of Geography and Geology faculty members. The School started offering M.Tech Remote Sensing in 1994; M.Sc Applied Geography and M.Phil Geography programmes in the year 1996 and 1999 respectively. The Department of Geography has vibrant faculty, undertaking a full range of degree programmes from five year integrated M.Sc., Programme to Ph.D. in emerging and frontier areas of Geography. During the academic year 2002-2003, M.Tech. Programme in GIS was introduced and it was enhanced to M.Tech Geoinformatics since 2012. In the year 2006, the Department has introduced a five year Integrated Programme in geosciences and later in the year 2014, it was changed into five year integrated programme in Geography. M.Phil in Geography was introduced in the year 2018. The University Grants Commission (UGC), New Delhi has awarded an Innovative Programme on Post Graduate Diploma in Geomatics to the Department (2005-2010). The Geomatics Laboratory was established with the state of art infrastructure and GIS software in 2005. The agencies like UGC, MEF, ISRO, DST and ICSSR have funded a number of research projects and fellowships to the Department.

During 2008-2009, the UGC has awarded Special Assistance Programme (SAP) DRS Phase-I level (2008 – 2009) with the outlay of Rs. 50.50 lakhs and in 2015- 16 for DRS II a sum of Rs. 1.2 Crores with two project fellows (2015-2019) to the Department. Additionally, the UGC has also granted Rs. 20.00 lakhs in the form of BSR to the SAP assisted Department to strengthen its infrastructure. By utilising the UGC fund, the Department has added DGPS and Total station for surveying purpose. The advanced Ground Penetrating Radar (GPR) System was acquired through DST PURSE Grant. The Department of Geography facilitates the Geoinformatics aspirants to take active participation in the IIRS-ISRO EDUSAT Outreach Programme since 2011. The Indian Society of Remote Sensing (ISRS), Dehradun has housed its Tiruchirappalli Regional Chapter of ISRS at the Department. The Department regularly conducts refresher courses and summer schools for enhancing academic excellence of the teachers of higher educational institutions. The Department successfully conducts Indian Geographical Society talent test for UG and PG students of Geography since 2010.

#### Background of the Seminar

Geoinformatics is the technological synthesis of Remote Sensing Data Acquisition, Image Processing, Surveying, Geospatial Data Analysis and Modelling. Modern IT infrastructure facilitates geo-computation and geo visualization through handling large set of geospatial database which boosts the Geoinformatics. In last three decades, the resource mapping and management experts has shown high priority for using Geoinformatics for their various applications by understanding its effectiveness. The mapping and management is well supported by the availability of a wide variety of remote sensing data, processing software and positioning equipment's. Geoinformatics has proven its strength in Government policy decisions, academic and research and employability. India is the second largest populated country in the world. It is necessary to map and evaluate the available land and water resources with effective use of Geoinformatics Technologies to reach and uphold sustainable development. With this background, a two day **National Seminar on Mapping, Modelling and Management of Natural Resources through Geoinformatics** is being organised by Department of Geography, Bharathidasan University, Tiruchirappalli during March 15 & 16, 2019 under the aegis of UGC New Delhi.

The Two-Day Seminar intends to discuss the effective methodologies of Mapping and Modelling of Natural Resources and Management through Geoinformatics. The following sub-themes have been identified for the purpose of paper presentation and deliberations during the seminar.

**Mapping and Modelling:** Multi-Spectral, High Resolution, Hyper spectral, Microwave, Lidar, Automated Weather Station Data, Agro-ecological Data etc.

- ◆ **Land Resources Modelling:** Landuse/Land cover Mapping, Land use/Land cover change studies, Land degradation, Waste land mapping, Land capability, Sustainable landuse practice.
- ◆ **Hydrology Modelling:** Surface water studies, Ground-water modelling, Runoff modelling, Drainage Morphometry, Soil erosion, Watershed prioritization, Watershed management.
- ◆ **Climate Studies:** Weather data analysis, Drought and Desertification, Climatic classification and Climate change.
- ◆ **Socio-Economic Modelling:** Demographic modelling, Population and landuse, Hill Area Development, People participatory approach.

#### **Abstract Submission**

Original research papers are invited for oral presentation. The participants are requested to submit their abstract paper not exceeding 250 words typed in MS-Word font size 12 in Times New Roman in single line space. The title should be bold followed by authors name and address. The name of the presentation author should be underlined or indicated by an asterisk. The abstract should be mailed on or before 4<sup>th</sup> March 2019.

#### **Registration**

To participate in the seminar there is **No Registration Fee** and interested participants can register on or before 04.03.2019.

#### **Accommodation**

Accommodation will be provided at University Guest House at the rate of Rs. 500 per day on first-come first serve basis for paper presenters. For other participants accommodation will be arranged at nominal cost.