

Fee Submission Details:

Bank Name: Oriental Bank of Commerce
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Registration Link

<https://forms.gle/VbZ8oXzrSRdPVsAm9>

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 &
 Dr. Jagmesh Jhakhar, (Principal Govt. P.G. College, Narnaul)

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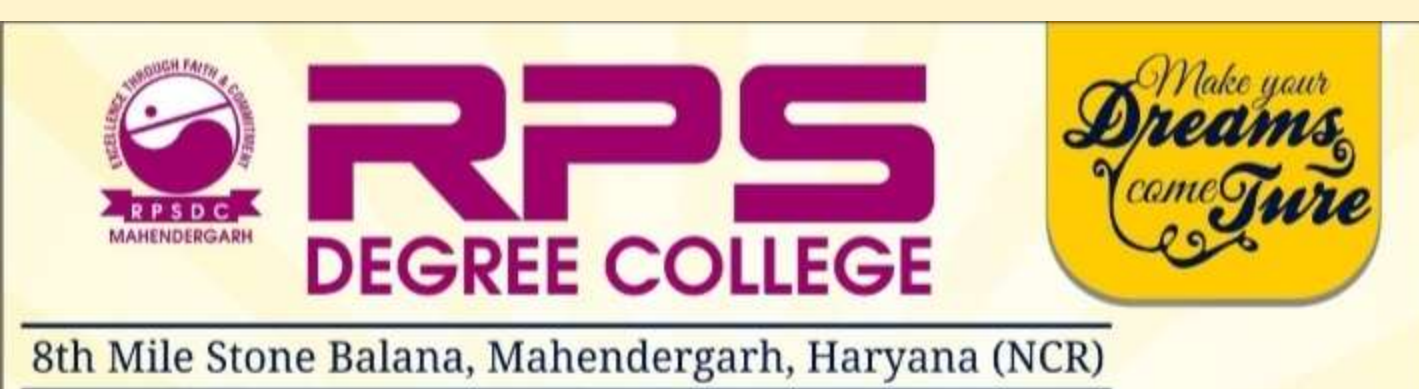
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Mr. Jaydeep Dutta
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Joint Secretary: Dr Hawa Singh, Department of Geography, Govt. P.G. College, Narnaul, Mahendergarh.

Program Moderator: Anil Kumar, Department of Geography, R.P.S.Degree College, Mahendergarh Haryana

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BACKDROP AND RATIONALE

The need of technical excellence become indispensable for development of quality teaching, research and preparing skilled personnel. Use of modern technology in research and teaching is rapidly increasing in higher education. Geographic Information Systems (GIS) has emerged as a technological framework that is focused on basic questions about the acquisition, storage, management, analysis and visualization of geographically referenced information. It comes forward as major learning domain to address the issues of natural resource management, rural-urban planning, transport & communication development and disaster management. Therefore it becomes obligatory for geographers, environmentalists and planners to acquire the necessary expertise of this field.

Keeping in view the importance of GIS, this workshop aims at enabling the participants to provide fundamentals of GIS that will prepare them to learn advance level applications and also make them able to contribute in research & development of associated field.

TARGET AUDIENCE

Program is specially designed for M.Sc. Geography students. However students of B.A. final year may also apply. Program is open for faculty members of all subjects.

Important Instructions

- All Graduate and Postgraduate students and faculty members of related field can attend this workshop.
- Fee for students 200 Rs only, for faculty members Rs. 500/- per candidate.
- Registration through online registration link only. Limited seats available.
- Workshop Platform-Zoom (Link will be shared with the participants in the telegram /whatsapp group prior to one hour of the session on each day. There will be separate links for each day.)
- Medium of instruction will be both English and Hindi
- Availability of E-certificate is subjected to attendance in all sessions, submission of quiz, feedback form and assignments by registered participants within due date.
- Access to E-content of the workshop will be provided to the registered participants only.

PROGRAM SCHEDULE		
Days	Theme	Timings
Day-1	INAUGURAL FUNCTION	10:00 AM-12:00 PM
	GIS: Definition and scope; Components and Elements; Geographic framework: Geoid and Spheroid.	2:00 PM-4:00 PM
Day-2	Coordinate, projection system: Definition and need; Implications of spherical and planar coordinate systems and their transformations in GIS	10:00 AM-12:00 PM
	Geographic Entities: Point, line and Polygon; Data Types: Raster and Vector; Data formats: Spatial and non-spatial	2:00 PM-4:00 PM
Day-3	Sources of data input; Generation of Geo-data bases; Data base management system; Spatial topology.	10:00 AM-12:00 PM
	Spatial Analysis: Overlay, Neighbourhood and Proximity; Integration of raster and vector data	2:00 PM-4:00 PM
Day-4	GIS and Map Production; GIS and Cartography; Bertin's visual variables	10:00 AM-12:00 PM
	Fundamentals of Global Positioning System (GPS): Concept and Principles; GPS Segment: Space, Control and User; GPS devices: handle and differential GPS	2:00 PM-4:00 PM
Day-5	GPS system: NAVSTAR, GALILIO and GAGAN. Applications of GPS	10:00 AM-12:00 PM
	VALEDICTORY FUNCTION	2:00 PM-3:00 PM

One Week National Workshop

On

**Fundamentals of
Geographical Information System**

Organize by



Department of Geography

Rao Pahlad Singh Degree College, Balana,
Mahendergarh, Haryana

(Approved by DGHE/Govt. of Haryana & Affiliated to I.G. University, Rewari)

In collaboration with



South Asian Institute for Advanced Research &
Development, Kolkata, West Bengal

(Partner institute of United Nations Business Action Hub and National Atlas & Thematic Mapping Organization, Government of India)

&



Government P. G. College, Narnaul,
Mahendergarh Haryana

19- 23 October, 2020
Venue: Online