Dear Sir/Madam,

Greetings from IGNOU, New Delhi!

As you may be aware, the Indira Gandhi National Open University, recognised as the ‘largest University of the world’ has contributed significantly to the development of higher education in the country through the Open and Distance learning (ODL) mode since its establishment in 1985. IGNOU offers 228 programmes through its 21 Schools of Study at the Doctoral, Master’s and Bachelor’s degree levels along with Postgraduate and Undergraduate Diplomas and Certificates with an annual intake of over 7 lakh students.

In the last four decades, geoinformatics has grown as a major tool for acquiring information on almost every aspect on the Earth. With the recent advancements in the field and availability of a variety of remote sensing data in recent years, applications of geoinformatics have increased manifold in a large range of applications. It has also resulted in the increased demand for professionals with a degree in environment and natural resources related domains and skills in applying geoinformatics tools. Considering the demand, the School of Sciences, IGNOU has designed and developed the **Post Graduate Certificate in Geoinformatics (PGCGI) Programme**.

We are happy to inform you that the six-month Post Graduate Certificate programme is on offer from July 2014 cycle in the Open and Distance Learning (ODL) mode. The objective of the PG Certificate programme is to provide conceptual knowledge and hands-on training in the basics of geoinformatics technologies and also to acquaint the learners with the use of technology in analysing the spatial data. The programme is built around concepts and skills at the basic level so as to make it easy for learners to understand how geoinformatics can be put to practical use. The hands-on training through the practical components of the programme will familiarise learners with the use of geoinformatics tools. The programme is worth 16 credits and consists of one practical course and three theory courses of 4 credits each.

Enclosed herewith please find a Poster and an information brochure of the programme for your kind perusal. I shall be grateful, if you could arrange to get it displayed prominently on your notice board so that students interested in pursuing a career in geoinformatics may get access to this opportunity. You may also like to visit our website [www.ignou.ac.in](http://www.ignou.ac.in) for more details.

Thank you.

With kind regards,

Yours sincerely,

(Vijayashri)

[Signature]

Indira Gandhi National Open University
Head Office, Sonepat, 131001, India | [www.ignou.ac.in](http://www.ignou.ac.in)
Indira Gandhi
National Open University

Post Graduate Certificate in
GEOINFORMATICS

- A continuing education programme aimed to enhance skills in geospatial technology with strong practical component.

COURSES
- Introduction to Geoinformatics
- Remote Sensing and Image Interpretation
- Global Navigation Satellite System and Geographic Information System
- Geoinformatics Practical

Eligibility: Graduation in any discipline from a recognised university
Age: No bar
Medium: English
Duration: Minimum 6 months and maximum 2 years
Programme Fee: ₹ 5000/-

TARGET GROUPS
- Defence personnel
- CBSE school teachers teaching geospatial technology courses
- Working professionals with little or no exposure to geoinformatics
- Graduates interested in developing skills to work with geospatial data

How to Apply: Application Form is available at your nearest IGNOU Regional Centre and also at www.ignou.ac.in

For Further Information, Please Contact:
The Director
School of Sciences
Indira Gandhi National Open University
Maidan Garhi, New Delhi - 110068
Phone: 011-29532167/29572832, Fax: 011-29532167
E-mail: sas@ignou.ac.in, Website: www.ignou.ac.in

Dr. Benidhar Deshmukh
Programme Coordinator—PGCGI
School of Sciences, IGNOU
Maidan Garhi, New Delhi - 110068
Ph: 011-29571677/76/75/79
E-mail: pgcgi@ignou.ac.in
DETAILS OF THE COURSES

MGY-001: Introduction to Geoinformatics
(4 credits)
Block 1: Overview of Geoinformatics
Block 2: Concept of Geospatial data
Block 3: Basics of Mapping
Block 4: Scope and Applications of Geoinformatics

MGY-002: Remote Sensing and Image Interpretation (4 credits)
Block 1: Introduction to Remote Sensing
Block 2: Sensors and Space Programmes
Block 3: Image Interpretation
Block 4: Processing and Classification of Remotely Sensed Images

MGY-003: Global Navigation Satellite System and Geographic Information System (4 credits)
Block 1: Global Navigation Satellite System
Block 2: Fundamentals of Geographic Information System
Block 3: GIS Database Creation
Block 4: GIS Analysis, Output and Project Design

MGYL-004: Geoinformatics Practical
(4 credits)
Part I: Spatial Database Creation
Part II: Remote Sensing Data Handling
Part III: Spatial Analysis

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The Director
School of Sciences
Indira Gandhi National Open University
Maidan Garhi, New Delhi - 110068

Phone: 011-29532167, 011-29572832
Fax: 011-29532167
E-mail: sos@ignou.ac.in

OR

Dr. Benidhar Deshmukh
Programme Coordinator - PGCGI
School of Sciences
Indira Gandhi National Open University
Maidan Garhi, New Delhi - 110068

Phone: 011-29571677/76/75/79
Fax: 011-29532167
E-mail: pgcgl@ignou.ac.in

For any other details, please visit
IGNOU website: www.ignou.ac.in
ABOUT THE UNIVERSITY
The University was established by the Act of Parliament in 1985. The aim of the University is to democratise education for inclusive growth of the society. The University provides cost-effective and quality education to large sections of population including those living in remote and far flung area, at their doorstep.

The University offers need based academic, professional, vocational and awareness programmes in different areas of interests and specialisations. The programmes have been designed with a view to fulfill the learner’s need for:
- Improvement of skills/self-enrichment;
- Acquisition of professional qualifications;
- Continuing education and professional development at workplace; and
- Diversification of knowledge.

The teaching-learning process is through self-instructional learning materials, based on a credit system. Self-study is aided by facilities provided at study centres throughout the country.

ABOUT THE PROGRAMME
Post Graduate Certificate Programme in Geoinformatics (PGCGI) has been designed and developed by Geology Discipline of the School of Sciences with the help of experts from ISRO, DST, DRDO, IITs, C-DAC, IITM, several universities and industries across India.

Geoinformatics also known as geomatics is the synergy of geodesy, cartography, GIS, remote sensing, photogrammetry, GNSS, etc. Geoinformatics technologies have vast potential for applications in a number of fields such as rural and urban planning, environmental monitoring, natural resources management, management of natural hazards and disasters, business, etc.

This programme provides opportunity to learners interested to develop basic skills and willing to go for higher studies in Geoinformatics. The programme is built around concepts and skills at the basic level to make it easy for a learner to understand how geoinformatics can be put to practical use. The hands-on training through the practical components of the programme will familiarise learners with the use of geoinformatics tools.

PROGRAMME OBJECTIVES
- To provide conceptual knowledge and hands-on training in the basics of geoinformatics technologies
- To acquaint learners with the use of technology in analysing the spatial data
- To widen opportunities of learners for higher studies and developing careers in different sectors of employment involving

TARGET GROUPS
- Defence personnel
- CBSE school teachers teaching geospatial technology related courses
- Working professionals with little or no exposure to geoinformatics
- Graduates interested in developing skills to work with geospatial data.

This programme would be useful for the interested learners to develop skills in geoinformatics for further studies. It would also be helpful for the learners to pursue a career in government organisations, private industries and educational institutes in this field.

PROGRAMME STRUCTURE
The programme offered in ODL mode consists of 16 credits with four courses (3 theory and 1 practical) of 4 credits each.

<table>
<thead>
<tr>
<th>Credits</th>
<th>16 (4 credits per course)</th>
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</thead>
<tbody>
<tr>
<td>Age</td>
<td>No bar</td>
</tr>
<tr>
<td>Medium</td>
<td>English</td>
</tr>
<tr>
<td>Duration</td>
<td>Minimum 6 months</td>
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<td></td>
<td>Maximum 2 years</td>
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<tr>
<td>Programme</td>
<td>₹ 5000/-</td>
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<tr>
<td>Fee</td>
<td></td>
</tr>
<tr>
<td>Eligibility</td>
<td>Graduation in any discipline from a recognised university</td>
</tr>
</tbody>
</table>
Post Graduate Certificate in Geoinformatics (PGCCI)

- Duration: Minimum 6 months and maximum 2 years
- Eligibility: Graduation in any discipline from a recognised University

Admission open for both January and July cycles

Fee: ₹ 5000/-

TARGET GROUPS

- Defence personnel
- CBSE school teachers teaching geospatial technology courses
- Working professionals with little or no exposure to geoinformatics
- Graduates interested in developing skills to work with geospatial data

Teaching through open & distance learning mode

Salient Features

- Designed and developed with the help of experts from C-DAC, DRDO, DST, IITs, ISRO, IITM, several universities and industries.

Job Opportunities in

- Government Organisations
- Private Industries
- R & D Institutions

In the field of:

- Natural Resources Management
- Natural Hazards and Disaster Management
- Environmental Management
- Urban and Rural Planning
- Geospatial Education

How to Apply: Application Form available at IGNOU Regional Centres and www.ignou.ac.in
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