

## Course Fee

Course	IIRS Fee	ITC Fee	Approx. travel & living cost in India & The Netherlands
<b>Indian Government-sponsored Candidates</b>			
M.Sc.	Nil	Euro 4708	₹4.50 lakhs
PG Diploma	Nil	Euro 450	₹0.30 lakhs
<b>Self-sponsored Indian Candidates</b>			
M.Sc.	₹ 1,20,000	Euro 4708	₹4.50 lakhs
PG Diploma	₹ 65,000	Euro 450	₹0.30 lakhs
<b>Foreign Candidates</b>			
M.Sc.	Euro 5000	Euro 4708	Euro 6000
PG Diploma	Euro 3000	Euro 450	Euro 700

## About IIRS

*Indian Institute of Remote Sensing (IIRS)* is a Unit of the Indian Space Research Organisation (ISRO), Department of Space, Government of India. Established in 1966, the Institute boasts to be the first of its kind in entire South-East Asia. With a mission to “transfer technology through capacity building and research in the field of remote sensing and geoinformatics for sustainable development,” IIRS has evolved many education and training programmes that are tuned to meet the needs of various target groups, starting from fresh graduates to policy makers.

URL: <http://www.iirs.gov.in/>



## About ITC

The *Faculty of Geo-Information Science and Earth Observation (ITC)* of the *University of Twente*, located at Enschede (The Netherlands), is one of the world's foremost international professional education establishments in the field of geoinformation science and earth observation. Established in 1950, ITC's mission is the international exchange of knowledge, focusing on capacity building and institutional development in developing countries and emerging economies through education, research and project services.

URL: <http://www.itc.nl/>



## For further queries, Contact:

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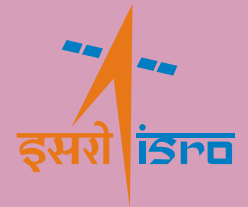
Email: [cd\\_gfm@iirs.gov.in](mailto:cd_gfm@iirs.gov.in)

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## Registration:

Online registration should be done through IIRS website i.e. <http://www.iirs.gov.in/>

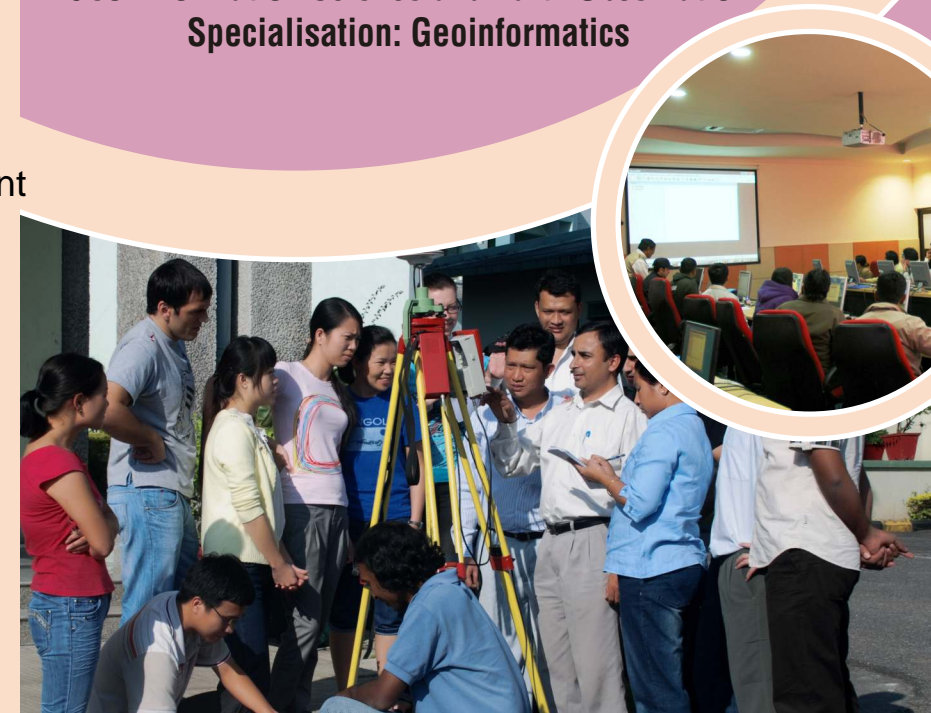
M.Sc. and PG Diploma courses in Geoinformatics are offered under Joint Education Programme of Indian Institute of Remote Sensing (IIRS) and Faculty of Geo-Information Science and Earth Observation (ITC), University of Twente, The Netherlands. M.Sc. Degree is awarded by University of Twente, The Netherlands. PG Diploma is awarded jointly by IIRS & ITC.



# IIRS announces M.Sc. and Post Graduate Diploma courses in Geoinformatics

Master of Science in  
 Geo-Information Science and Earth Observation  
 Specialisation: Geoinformatics

Post Graduate Diploma in  
 Geo-Information Science and Earth Observation  
 Specialisation: Geoinformatics



## IIRS-ITC Joint Education Programme

Indian Institute of Remote Sensing (IIRS)  
 Indian Space Research Organisation  
 Dehradun, India

Faculty of Geo-Information Science and  
 Earth Observation (ITC), University of Twente  
 Enschede, The Netherlands

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[www.itc.nl](http://www.itc.nl)

## About the courses

The Masters (M.Sc.) and Post Graduate Diploma courses in Geo-information Science and Earth Observation (specialisation in Geoinformatics) are offered within the framework of IIRS-ITC Joint Education Program (JEP). Both the institutions – Indian Institute of Remote Sensing (IIRS) and Faculty of Geo-Information Science and Earth observation (ITC) of the University of Twente – are internationally recognised centres for education, training and research in remote sensing and geoinformatics. The M.Sc. Degree is awarded by the University of Twente, The Netherlands and the Post Graduate Diploma is awarded jointly by IIRS and ITC. In the M.Sc. course, participants will spend 13½ months at IIRS and 4½ months at ITC, The Netherlands, while the Post Graduate Diploma participants will remain at IIRS for the entire study period of the course (i.e. 10 months).

Selections for M.Sc. course are through written test, an interview and academic performance; the government-sponsored candidates are exempted from appearing in the written test. Selections for Post Graduate Diploma course are based on merit (academic performance). Generally, the preference is given to the government-sponsored candidates.

## Aim of the courses

The courses aim at providing critical understanding of the geo-information science and earth observation technology to generate, integrate, analyse, visualise and disseminate spatial data for various applications. Participants will gain skills in formulating and carrying out independent

## Course Duration

Name of the course	Total duration	Study period at IIRS	Study period at ITC
M.Sc.	18 months (including 6 months of research)	13½ months	4½ months
Post Graduate Diploma	10 months (including 3 months of project)	10 months	Not applicable

research/pilot project in the general field of geoinformatics, possibly a part of a multi-disciplinary research and development project. After successful completion of the courses, participants can find better job/ research prospects in rapidly growing field of geoinformatics.

## Who can apply?

The M.Sc. and Post Graduate Diploma courses are designed to suit the requirements of mid-career professionals and bright students interested in choosing geoinformatics as their career.

Candidates having the following educational qualification are eligible to apply:

M.Sc./M.Tech. in Physics/ Appl. Physics/ Electron./ Maths/ Appl. Maths/ Stat./ IT/ Comp. Sci./ Geology/ Geophysics/ Geo-Engg./ Agriculture/ Forestry/ Urban and Reg. Plann. or any Natural/Env. Sci., OR Master in Geog. (having B.Sc. in science subjects), OR B.E./B.Tech./ B.Sc.(Engg.)/ Graduate (with four year deg. course) in Civil Engg./ Electron. & Comm./ Comp. Sci./ Comp. Engg./ IT/ Geoinformatics/ Agri. Engg./Geosci. Engg./ Petrol. Engg./ Mining Engg./ Agri. Inform./ Agriculture/ Forest Inform./ Forestry or equivalent, OR B.Arch. / B.Plann./ M.Arch./ M.Plann., OR MCA (having B.Sc. in Science subjects), OR equivalent. OR Govt. officials\* having B.Sc degree (Science up to 10+2 level) only for P.G. Diploma

*Note: For M.Sc. course, the candidate should have secured a minimum of 60% marks in the qualifying examination. For details on eligibility criteria, number of seats, start & end dates of course, last date to apply for the course, fee, etc. refer the academic calendar available in the institute's website (<http://www.iirs.gov.in/academiccalendar>).*

## Course structure and broad topics

Module	Duration	Module Topic	Programming Skills
1	3 Weeks	Geographic Information Science	
2	3 Weeks	Earth Observation	
3	3 Weeks	System Earth	
4	3 Weeks	Databases, Mathematics & Programming	
5	3 Weeks	Principles of Spatial Data Quality	
6	3 Weeks	Spatial Data Modelling & Processing	
7	3 Weeks	Base Data Acquisition	
8	3 Weeks	Image Processing	
9	3 Weeks	Web GIS & Programming	
10	3 Weeks	Visualisation & Dissemination of Geospatial Data	
11	3 Weeks	Research Skills	
12	3 Weeks	Advanced modules, advanced group project, and finalisation and defence of research proposal by M.Sc. students	
13	3 Weeks		
14	3 Weeks		
15	3 Weeks		
16-23	6 months	M.Sc. research and thesis defence	

### Note:

Module 1 to 10 are common for both M.Sc. and PG Diploma. PG Diploma students carry out project work during Module 11 to 14. Module 11 to 16 are offered at ITC for M.Sc. students.

## Important Dates

	Start Date	End Date
M.Sc.	: Sept. 19, 2016	Mar. 16, 2018
Postgraduate Diploma	: Sept. 19, 2016	July 14, 2017
Last date to apply for M.Sc.	: May 31, 2016	
Last date to apply for Post Graduate Diploma	: May 31, 2016	