

INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN

COURSE CALENDAR (2020-21)

[Last updated on March 24, 2020]

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply	
POST-GRADUATE DIPLOMA IN REMOTE SENSING & GIS WITH SPECIALIZATION IN FOLLOWING DISCIPLINES				
		Specialization	Intermediate/ Pre-University Level	UG/PG Level
1.	D-AS	Agriculture & Soils	Science stream (with at least any two subjects out of Physics/ Chemistry/ Maths/ Statistics/ Biology/ Comp. Science)	<ul style="list-style-type: none"> • M.Sc. in Agriculture/ Agri. Physics /Soil Sci./ Agromet./ Entomology/ Pathology/ Agronomy/ Plant Physiol./ Horticulture / Agri. Botany/ Soil Conservation & Water Manag./ Climate Change Adaptation/ Env. Sci. or equivalent (OR) • B.E./B.Tech. in Agri. Engg./ Agri. Informatics/ Agri. & Food Engg. or equivalent (OR) • B.Sc. (4-years degree) in Agriculture/ Horticulture/ Sericulture (OR) • Master's in Geography
2.	D-FE	Forest Resources & Ecosystem Analysis		<ul style="list-style-type: none"> • M.Sc. in Forestry/ Ecology/ Botany/ Wildlife Sci./ Biosci./ Zoology/ Env. Sci./ Env. Mgmt./ Nat. Res. Mgmt. / Life Sci./ Plant Sci. (OR) • B.E./B.Tech. in Biotech./ Forest Biotech./ Bioinformatics/ Environmental Engg. (OR) • B.Sc. (4-years degree) in Forestry/ Biotech./ Forest Biotech./ Bioinformatics (OR) • Master's in Geography
3.	D-GS	Geosciences		<ul style="list-style-type: none"> • M.Sc./M.Sc.(Tech.)/M.Tech. in Geol./ Appl. Geol./ Geophys./ Earth Sci./ Geoexplor./ Petrol. Engg./ Geo-Engg./ Mining Engg./ Geography (OR) • B.E./B.Tech. in Civil Engg./ Geosci./ Petrol. Engg./ Mining Engg./ Mineral Processing
4.	D-NHD	Natural Hazards & Disaster Risk Management		<ul style="list-style-type: none"> • Master's in Disaster Mgmt./ Nat. Res. Mgmt./ Env. Mgmt./ Meteor./ Phy./ Maths./ Botany/ Zool./ Geol./ Earth Sci./ Env. Sci./ Marine Sci./ Atm. Sci./ Agri./ Forestry/ Geography (OR) • B.Arch./ B.Plan./ M.Plan. (OR) • B.E./ B.Tech. in Civil Engg./ Env. Engg./ Geosci./ Geoexplor./ Geo-Engg./ Earthquake Engg./ IT/ Comp. Sci./ CSE (OR) • B.Sc. (4-years degree) in Agriculture/ Forestry
5.	D-UR	Urban & Regional Studies		<ul style="list-style-type: none"> • Master's in Plan./Arch./Civil/ Comp. Sci./ Geoinform./ Env. Sci./ Geography or equivalent (OR) • B.Plan./ B.Arch. or equivalent (OR) • B.E./B.Tech. in Civil/ Comp. Sci./ Geoinform. or equivalent
6.	D-MS	Marine & Atmospheric Sciences		<ul style="list-style-type: none"> • M.Sc. in Marine Sci./ Earth Sci./ Phy./ Oceanog./ Meteor./ Atm. Sci./ Env. Sci./ Maths (OR) • Master's in Geography
7.	D-PR	Satellite Image Analysis & Photogrammetry		<ul style="list-style-type: none"> • M.Sc./M.Tech. in Phy./ Appl. Phy./ Maths/ Stat./ Appl. Maths/ Comp. Sci./ Civil/ IT/ Geography/ Geoinform. or equivalent (OR) • B.E./B.Tech. in Civil/ Electron./ Electrical/ Electrical & Electron./ ECE/ Comp. Sci./ IT/ Geoinform. or equivalent
8.	D-WR	Water Resources		<ul style="list-style-type: none"> • M.Sc./M.Sc.(Tech.)/M.Tech. in Agri. Engg./ Hydrology/ Water Res. Engg./ Water Res. Mgmt./ Geol./ Env. Sci. or equivalent (OR) • B.E./ B.Tech.in Civil Engg./ Agri. Engg./ Water Res. Engg. or equivalent

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply	
9.	D-SDS	Spatial Data Science	Biology/ Comp. Science)	<ul style="list-style-type: none"> • M.Sc./M.Tech. in Comp. Sci./ IT/ Computer Application or equivalent with Bachelor's degree in Science (with Science & Maths subjects) or Engg. (OR) • M.Sc. in Phy./ Maths/ Stat./ Geoinform. or equivalent) with Bachelor's degree in Science (with Science & Maths subjects) or Engg. (OR) • B.E./B.Tech. in Comp. Sci./ IT/ Civil/ Electron./ Geoinform. or equivalent

Instructions for P.G. Diploma (including all specializations mentioned at Sl. No. 1-9):

- **Last date to Apply:** ~~27.03.2020~~ 10.04.2020[17:30 hrs] • **Number of Seats:** 48 • **Course start date:** 16.07.2020; **Course completion date:** 25.06.2021
- **Process of Application:** Only Online Applications will be considered. To apply online, visit: <https://admissions.iirs.gov.in/>. For Application Fee, read the 'Important Information for Candidates' section given at the end of this Course Calendar. Candidate has to choose only one specialization at the time of applying online, which cannot be changed subsequently. If the candidate wishes to apply for P.G. Diploma as well as M.Tech., he/she has to select the same specialisation for both the courses, give the order of preference for P.G. Diploma and M.Tech, and pay the requisite application fee. **Application Fee:** For only P.G. Diploma - Rs. 1,000/- (USD 100 for foreign nationals); For both P.G. Diploma and M.Tech. - Rs. 1,500/- (USD 150 for foreign nationals). Govt.-sponsored candidates must submit the Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application. The template of the Nomination Form can be downloaded from <https://admissions.iirs.gov.in/>.
- **Course Fee: Govt.-Sponsored candidate = Nil; Self-financed (Indian) candidate = Rs. 72,000; Foreign candidate = USD 7,200.** Boarding & lodging charges in IIRS Hostel are extra (Rs. 4,500 per month approx.) and will have to be paid by the candidate as per the IIRS hostel rules & regulations.
- **Eligibility:**
 - **Age limit:** 45 yrs.
 - **Qualification:** As mentioned above for Intermediate/Pre-University and UG/PG levels. Candidate should have secured a minimum of 55% marks (or equivalent CGPA) in the qualifying degree at UG/PG level. Further, candidate holding Master's degree in any of the subjects/disciplines mentioned above (Sl. No. 1-9) as the essential qualification for any course/specialization should have Bachelor's degree in Science [B.Sc./B.S.] with the subjects from the following areas: Earth, Atmosphere, Ocean & Planetary Sciences/ Physical Sciences/ Life Sciences/ Mathematical Sciences/ Chemical Sciences/ Engineering Sciences/ Geography/ Env. Science/ Computer Science (OR) Bachelor's degree in Engineering [B.E./B.Tech./B.Sc.(Engg.)].
 - Candidates in the final semester/year of the qualifying degree can also apply under the "Result Awaited" category. For details, read the 'Instructions for Appearing Candidates' in the 'Important Information for Candidates' section given at the end of this Calendar.
 - For Govt.-sponsored candidates, the Institute may consider relaxation in qualification/age.
 - Candidate should ensure his/her eligibility and then apply for the relevant course(s).
- **Selection Process for Admission:**
 - Selection for admission to P.G. Diploma course is based on **Entrance Test** (computer-based exam). Govt.-sponsored candidates are exempted from entrance test. Foreign nationals are also exempted from entrance test but they have to appear for interview through online platforms. Other candidates must appear in the entrance test. Entrance Test is common for P.G. Diploma (Sl. No. 1-9) and M.Tech. (Sl. No. 10-18).
 - **Entrance test is likely to be held on May 9, 2020 (forenoon) at Ahmedabad, Bangalore, Dehradun, Delhi, Hyderabad, Kolkata, Nagpur, Lucknow, Shillong, and Thiruvananthapuram.** Interview date for foreign nationals will be announced/intimated later.
 - Date for downloading the Admit Card for Entrance Test: 27.04.2020 onwards
 - Announcement of Result: Last week of May, 2020
 - The dates and Centre for Entrance Test mentioned above may change, and the decision of the Institute shall be final.
 - Govt.-sponsored candidates are given preference for admission.

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
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- Note:** Specialization, once allotted upon selection, will not be changed during the course. Conversion from P.G. diploma to M.Tech. in the same specialization may be allowed at appropriate time during the P.G. Diploma coursework, subject to eligibility of the candidate, availability of seat, meeting other criteria as specified by the Institute, approval of the Andhra University, and as per existing rules & regulations; decision of the Institute in this regard shall be final.

M.TECH. IN REMOTE SENSING & GIS WITH SPECIALIZATION IN FOLLOWING DISCIPLINES

		Specialization	Intermediate/ Pre-University Level	UG/PG Level
10.	M-AS	Agriculture & Soils	Science stream (with at least any two subjects out of Physics/ Chemistry/ Maths/ Statistics/ Biology/ Comp. Science)	<ul style="list-style-type: none"> M.Sc. in Agriculture/ Agri. Physics / Soil Sci./ Agromet./ Entomology/ Pathology/ Agronomy/ Plant Physiol./ Horticulture/ Agri. Botany/ Soil Conservation & Water Manag./ Climate Change Adaptation/ Env. Sci. or equivalent (OR) B.E./B.Tech. in Agri. Engg./ Agri. Informatics/ Agri. & Food Engg. or equivalent (OR) Master's in Geography
11.	M-FE	Forest Resources & Ecosystem Analysis		<ul style="list-style-type: none"> M.Sc. in Forestry/ Ecology/ Botany/ Wildlife Sci./ Biosci./ Zoology/ Env. Sci./ Env. Mgmt./ Nat. Res. Mgmt. / Life Sci./ Plant Sci. (OR) B.E./B.Tech. in Biotech./ Forest Biotech./ Bioinformatics/ Environmental Engg. (OR) Master's in Geography
12.	M-GS	Geosciences		<ul style="list-style-type: none"> M.Sc./M.Sc.(Tech.)/M.Tech. in Geol./ Appl. Geol./ Geophys./ Earth Sci./ Geoexplor./ Petrol. Engg./ Geo-Engg./ Mining Engg./ Geography (OR) B.E./B.Tech. in Civil Engg./ Geosci./ Petrol. Engg./ Mining Engg./ Mineral Processing
13.	M-NHD	Natural Hazards & Disaster Risk Management		<ul style="list-style-type: none"> M.Sc. in Disaster Mgmt./ Nat. Res. Mgmt./ Env. Mgmt./ Meteor./ Phy./ Maths./ Botany/ Zool./ Geol./ Earth Sci./ Env. Sci./ Marine Sci./ Atm. Sci./ Agri./ Forestry (OR) B.Arch./ B.Plan./ M.Plan. (OR) B.E./ B.Tech. in Civil Engg./ Env. Engg./ Geosci./ Geoexplor./ Geo-Engg./ Earthquake Engg./ IT/ Comp. Sci.) (OR) Master's in Geography
14.	M-UR	Urban & Regional Studies		<ul style="list-style-type: none"> Master's in Plan./Arch./Civil/ Comp. Sci./ Geoinform./ Env. Sci. or equivalent (OR) B.Plan./ B.Arch. or equivalent (OR) B.E./B.Tech. in Civil/ Comp. Sci./ Geoinform. or equivalent Master's in Geography
15.	M-MS	Marine & Atmospheric Sciences		<ul style="list-style-type: none"> M.Sc. in Marine Sci./ Earth Sci./ Phy./ Oceanog./ Meteor./ Atm. Sci./ Env. Sci./ Maths (OR) Master's in Geography
16.	M-PR	Satellite Image Analysis & Photogrammetry		<ul style="list-style-type: none"> M.Sc./M.Tech. in Phy./ Appl. Phy./ Maths/ Stat./ Appl. Maths/ Comp. Sci./ Civil/ IT/ Geography/ Geoinform. or equivalent (OR) B.E./B.Tech. in Civil/ Electron./ Electrical/ Electrical & Electron./ ECE/ Comp. Sci./ IT/ Geoinform. or equivalent
17.	M-WR	Water Resources		<ul style="list-style-type: none"> M.Sc./M.Sc.(Tech.)/M.Tech. in Agril. Engg./ Hydrology/ Water Res. Engg./ Water Res. Mgmt./ Geol./ Env. Sci. or equivalent (OR) B.E./ B.Tech.in Civil Engg./ Agri. Engg./ Water Res. Engg. or equivalent
18.	M-GI	Geoinformatics		<ul style="list-style-type: none"> M.Sc./ M.Tech. in Physics/ Appl. Physics/ Electronics/ Maths/ Appl. Maths/ Stat./ IT/ Comp. Sci./ Comp. Applications/ Geoinform. or equivalent/ Geo-Engg. (OR)

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
			<ul style="list-style-type: none"> B.E./B.Tech. in Civil/ ECE/ Electron./ Electrical/ Comp. Sci./ CSE/ IT/ Geoinform. or equivalent/ Agri. Informatics/ Forest Informatics (OR) Master's in Geography

Instructions for M.Tech. (including all specializations mentioned at Sl. No. 10-18):

- **Last date to Apply:** ~~27-03-2020~~ 10.04.2020[17:30 hrs] • **Number of Seats:** 40 • **Course start date:** 15.07.2020; **Course completion:** June, 2022
- **Process of Application:** Only Online Applications will be considered. To apply online, visit: <https://admissions.iirs.gov.in/>. For Application Fee, read the 'Important Information for Candidates' section given at the end of this Course Calendar. Candidate has to choose only one specialization at the time of applying online, which cannot be changed subsequently. If the candidate wishes to apply for M.Tech. as well as P.G. Diploma, he/she has to select the same specialisation for both the courses, give the order of preference for M.Tech. and P.G. Diploma, and pay the requisite application fee. **Application Fee:** For only M.Tech. - Rs. 1,000/- (USD 100 for foreign nationals); For both M.Tech. and P.G. Diploma - Rs. 1,500/- (USD 150 for foreign nationals). Govt.-sponsored candidates must submit the Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application. The template of the Nomination Form can be downloaded from <https://admissions.iirs.gov.in/>.
- **Course Fee: Govt.-Sponsored candidate** = University Registration fee only (currently, Rs. 20,000); **Self-financed (Indian) candidate** = Rs.1,44,000 (IIRS fee) + University Registration fee (currently, Rs. 20,000); **Foreign candidate** = USD 14,400 (IIRS Fee) + University Registration fee (currently, Rs. 20,000). Boarding & lodging charges in IIRS Hostel are extra (Rs. 4,500 per month approx.) and will have to be paid by the candidate as per the IIRS hostel rules & regulations.
- **Eligibility:**
 - **Age limit:** 45 yrs.
 - **Qualification:** As mentioned above for Intermediate/Pre-University and UG/PG levels. Candidate should have secured a minimum of 55% marks (or equivalent CGPA) in the qualifying degree at UG/PG level. Further, candidate holding Master's degree in any of the subjects/disciplines mentioned above (Sl. No. 10-18) as the essential qualification for any course/specialization should have Bachelor's degree in Science [B.Sc./B.S.] with the subjects from the following areas: Earth, Atmosphere, Ocean & Planetary Sciences/ Physical Sciences/ Life Sciences/ Mathematical Sciences/ Chemical Sciences/ Engineering Sciences/ Geography/ Env. Science/ Computer Science (OR) Bachelor's degree in Engineering [B.E./B.Tech./B.Sc.(Engg.)].
 - Candidates in the final semester/year of the qualifying degree can also apply under the "Result Awaited" category. For details, read the 'Instructions for Appearing Candidates' in the 'Important Information for Candidates' section given at the end of this Calendar.
 - For Govt.-sponsored candidates, the Institute may consider relaxation in qualification/age.
 - Candidate should ensure his/her eligibility and then apply for the relevant course(s).
- **Selection Process for Admission:**
 - Selection for admission to M.Tech. course is based on **Entrance Test** (computer-based exam). Govt.-sponsored candidates are exempted from entrance test. Foreign nationals are also exempted from entrance test but they have to appear for interview through online platforms. Other candidates must appear in the entrance test. Entrance Test is common for M.Tech. (Sl. No. 10-18) and P.G. Diploma (Sl. No. 1-9).
 - **Entrance test is likely to be held on May 9, 2020 (forenoon) at Ahmedabad, Bangalore, Dehradun, Delhi, Hyderabad, Kolkata, Nagpur, Lucknow, Shillong, and Thiruvananthapuram.** Interview date for foreign nationals will be announced/intimated later.
 - Date for downloading the Admit Card for Entrance Test: 27.04.2020 onwards
 - Announcement of Result: Last week of May, 2020
 - The dates and Centre for Entrance Test mentioned above may change, and the decision of the Institute shall be final.
 - Govt.-sponsored candidates are given preference for admission.

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
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Note: M.Tech. degree is presently awarded by the Andhra University, Visakhapatnam (India). Specialization, once allotted upon selection, will not be changed during the course. Conversion from M.Tech. to P.G. Diploma in the same specialization may be allowed for genuine reason(s), subject to approval of competent authority of the Institute and as per existing rules & regulations; decision of the Institute in this regard shall be final.

IIRS-ITC JOINT EDUCATION PROGRAMME (JEP)

			Intermediate/ Pre-University Level	UG/PG Level
19.	D-GI	Post-Graduate Diploma in Geoinformation Science & Earth Observation with specialization in Geoinformatics	Science stream (with at least any two subjects out of Physics/ Chemistry/ Maths/ Statistics/ Biology/ Comp. Sci.)	<ul style="list-style-type: none"> • M.Sc./M.Sc.(Tech.)/M.Tech. in Phy./ Appl. Phy./ Electron./ Maths/ Appl. Maths/ Stat./ IT/ Comp. Sci./ Geol. / Geophy./ Geo-Engg./ Agriculture/ Horticult./ Forestry/ Env. Sci. or equivalent (OR) • B.E./B.Tech in Civil/ ECE/ Electron./ Comp. Sci./ IT/ Electrical/ Geoinform./ Agri. Engg./ Geosci./ Petrol. Engg./ Mining Engg./ Agri. Inform./ Forest Inform. or equivalent (OR) • B.Arch./ B.Plan./ M.Arch./ M.Plan. (OR) • Master's in Geography (OR) • B.Sc. (4-years degree) in Agriculture/ Horticulture/ Forestry or equivalent (OR) • Govt. officials having B.Sc. degree

Instructions for P.G. Diploma in Geoinformation Science & Earth Observation with specialization in Geoinformatics (D-GI, Sl. No. 19):

- **Last date to Apply:** ~~27.03.2020~~ 10.04.2020[17:30 hrs]
- **Number of Seats:** 10
- **Course start date:** 14.09.2020; **Course completion:** August, 2021
- **Process of Application:** Only Online Applications will be considered. To apply online, visit: <https://admissions.iirs.gov.in/>. For Application Fee, read the 'Important Information for Candidates' section given at the end of this Course Calendar. If the candidate wishes to apply for P.G. Diploma in Geoinformatics (D-GI) as well as M.Sc. in Geoinformatics (MS-GI), he/she has to select both the courses, give the order of preference, and pay the requisite application fee. **Application Fee:** For only P.G. Diploma in Geoinformatics (D-GI) - Rs. 1,000/- (USD 100 for foreign nationals); For both P.G. Diploma in Geoinformatics (D-GI) and M.Sc. (MS-GI) - Rs. 1,500/- (USD 150 for foreign nationals). Govt.-sponsored candidates must submit the Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application. The template of the Nomination Form can be downloaded from <https://admissions.iirs.gov.in/>.
- **Course Fee:** **Govt.-Sponsored candidate** = Euro 450 (ITC Fee); **Self-financed (Indian) candidate** = Rs.80,000 (IIRS fee) + Euro 450 (ITC Fee); **Foreign candidate** = USD 8,000 (IIRS Fee) + Euro 450 (ITC Fee). Boarding & lodging charges in IIRS Hostel are extra (Rs. 4,500 per month approx.) and will have to be paid by the candidate as per the IIRS hostel rules & regulations.
- **Eligibility:**
 - **Age limit:** 45 yrs.
 - **Qualification:** As mentioned above for Intermediate/Pre-University and UG/PG levels. Candidate should have secured a minimum of 55% marks (or equivalent CGPA) in the qualifying degree at UG/PG level. Further, candidate holding Master's degree in any of the subjects/disciplines mentioned above (Sl. No. 19) as the essential qualification should have Bachelor's degree in Science [B.Sc./B.S.] with the subjects from the following areas: Earth, Atmosphere, Ocean & Planetary Sciences/ Physical Sciences/ Life Sciences/ Mathematical Sciences/ Chemical Sciences/ Engineering Sciences/ Geography/ Env. Science/ Computer Science (OR) Bachelor's degree in Engineering [B.E./B.Tech./B.Sc.(Engg.)].
 - Candidates in the final semester/year of the qualifying degree can also apply under the "Result Awaited" category. For details, read the 'Instructions for Appearing Candidates' in the 'Important Information for Candidates' section given at the end of this Calendar.
 - For Govt.-sponsored candidates, the Institute may consider relaxation in qualification/age.
 - Candidate should ensure his/her eligibility and then apply for the relevant course(s).

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
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• **Selection Process for Admission:**

- Selection for admission to P.G. Diploma in Geoinformatics (D-GI) is based on **Entrance Test** (computer-based exam). Govt.-sponsored candidates are exempted from entrance test. Foreign nationals are also exempted from entrance test but they have to appear for interview through online platforms. Other candidates must appear in the entrance test. Entrance Test is common for P.G. Diploma in Geoinformatics (D-GI) as well as M.Sc. in Geoinformatics (MS-GI).
- **Entrance test is likely to be held on May 9, 2020 (afternoon) at Ahmedabad, Bangalore, Dehradun, Delhi, Hyderabad, Kolkata, Nagpur, Lucknow, Shillong, and Thiruvananthapuram.** Interview date for foreign nationals will be announced/intimated later.
- Date for downloading the Admit Card for Entrance Test: 27.04.2020 onwards
- Announcement of Result: Last week of May, 2020
- The dates and Centre for Entrance Test mentioned above may change, and the decision of the Institute shall be final.
- Govt.-sponsored candidates are given preference for admission.

Note: P.G. Diploma in Geoinformation Science & Earth Observation with specialization in Geoinformatics is awarded jointly by the IIRS and Faculty of Geoinformation Science & Earth Observation (ITC), University of Twente, The Netherlands. Conversion from P.G. Diploma in Geoinformatics (D-GI) to M.Sc. in Geoinformatics (MS-GI) may be allowed at appropriate time during the P.G. Diploma coursework, subject to eligibility of the candidate, availability of seat, meeting other criteria as specified by the Institute, approval of the ITC/University of Twente, and as per existing rules & regulations; decision of the Institute in this regard shall be final.

IIRS-ITC JOINT EDUCATION PROGRAMME (JEP)

			Intermediate/ Pre-University Level	UG/PG Level
20.	MS-GI	M.Sc. in Geo-information Science & Earth Observation with specialization in Geoinformatics	Science stream (with Maths as essential subject and any one subject out of Physics/ Chemistry/ Statistics/ Biology/ Comp. Science)	<ul style="list-style-type: none"> • M.Sc./M.Sc.(Tech.)/M.Tech. in Phy./ Appl. Phy./ Electron./ Maths/ Appl. Maths/ Stat./ IT/ Comp. Sci./ Geol. / Geophy./ Geo-Engg./ Agriculture/ Horticult./ Forestry/ Env. Sci. or equivalent (OR) • B.E./B.Tech in Civil/ ECE/ Electron./ Comp. Sci./ IT/ Electrical/ Geoinform./ Agri. Engg./ Geosci./ Petrol. Engg./ Mining Engg./ Agri. Inform./ Forest Inform. or equivalent (OR) • B.Arch./ B.Plan./ M.Arch./ M.Plan. (OR) • Master's in Geography (OR) • Govt. officials having B.Sc. degree

Instructions for M.Sc. in Geoinformation Science & Earth Observation with specialization in Geoinformatics (MS-GI, Sl. No. 20):

- **Last date to Apply:** ~~27.03.2020~~ 10.04.2020[17:30 hrs]
- **Number of Seats:** 10
- **Course start date:** 14.09.2020; **Course completion:** July, 2022
- **Process of Application:** Only Online Applications will be considered. To apply online, visit: <https://admissions.iirs.gov.in/>. For Application Fee, read the 'Important Information for Candidates' section given at the end of this Course Calendar. If the candidate wishes to apply for M.Sc. in Geoinformatics (MS-GI) as well as P.G. Diploma in Geoinformatics (D-GI), he/she has to select both the courses, give the order of preference, and pay the requisite application fee. **Application Fee:** For only M.Sc. in Geoinformatics (MS-GI) - Rs. 1,000/- (USD 100 for foreign nationals); For both M.Sc. in Geoinformatics (MS-GI) and P.G. Diploma in Geoinformatics (D-GI) - Rs. 1,500/- (USD 150 for foreign nationals). Govt.-sponsored candidates must submit the Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application. The template of the Nomination Form can be downloaded from <https://admissions.iirs.gov.in/>.

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
			<ul style="list-style-type: none"> Course Fee: Govt.-Sponsored candidate = Euro 9,896 (ITC Fee); Self-financed (Indian) candidate = Rs.1,60,000 (IIRS fee) + Euro 9,896 (ITC Fee); Foreign candidate = USD 16,000 (IIRS Fee) + Euro 9,896 (ITC Fee). Details of ITC Fee (Euro 9,896): Tuition Fee=Euro 5,020 + Living allowance*=Euro 4,425 + Insurance*= Euro 280 + Residence Permit*=Euro 171. In addition, to and fro travel to ITC, Netherlands is to be borne by the candidate. *for ~5 months stay in Netherlands. Boarding & lodging charges in IIRS Hostel are extra (Rs. 4,500 per month approx.) and will have to be paid by the candidate as per the IIRS hostel rules & regulations. Eligibility: <ul style="list-style-type: none"> – Age limit: 45 yrs. – Qualification: As mentioned above for Intermediate/Pre-University and UG/PG levels. Candidate should have secured a minimum of 55% marks (or equivalent CGPA) in the qualifying degree at UG/PG level. Further, candidate holding Master's degree in any of the subjects/disciplines mentioned above (Sl. No. 20) as the essential qualification should have Bachelor's degree in Science [B.Sc./B.S.] with the subjects from the following areas: Earth, Atmosphere, Ocean & Planetary Sciences/ Physical Sciences/ Life Sciences/ Mathematical Sciences/ Chemical Sciences/ Engineering Sciences/ Geography/ Env. Science/ Computer Science (OR) Bachelor's degree in Engineering [B.E./B.Tech./B.Sc.(Engg.)]. – Candidates in the final semester/year of the qualifying degree can also apply under the "Result Awaited" category. For details, read the 'Instructions for Appearing Candidates' in the 'Important Information for Candidates' section given at the end of this Calendar. – For Govt.-sponsored candidates, the Institute may consider relaxation in qualification/age. – Candidate should ensure his/her eligibility and then apply for the relevant course(s). Selection Process for Admission: <ul style="list-style-type: none"> – Selection for admission to M.Sc. in Geoinformatics (MS-GI) is based on Entrance Test (computer-based exam). Govt.-sponsored candidates are exempted from entrance test. Foreign nationals are also exempted from entrance test but they have to appear for interview through online platforms. Other candidates must appear in the entrance test. Entrance Test is common for M.Sc. in Geoinformatics (MS-GI) and P.G. Diploma in Geoinformatics (D-GI). – Entrance test is likely to be held on <u>May 9, 2020 (afternoon)</u> at Ahmedabad, Bangalore, Dehradun, Delhi, Hyderabad, Kolkata, Nagpur, Lucknow, Shillong, and Thiruvananthapuram. Interview date for foreign nationals will be announced/intimated later. – Date for downloading the Admit Card for Entrance Test: 27.04.2020 onwards – Announcement of Result: Last week of May, 2020 – The dates and Centre for Entrance Test mentioned above may change, and the decision of the Institute shall be final. – Govt.-sponsored candidates are given preference for admission. <p>Note: M.Sc. degree in Geoinformation Science & Earth Observation with specialization in Geoinformatics is awarded by the University of Twente, The Netherlands. Conversion from M.Sc. in Geoinformatics (MS-GI) to P.G. Diploma in Geoinformatics (D-GI) may be allowed for genuine reason(s), subject to approval of competent authority of the Institute, approval of the ITC/University of Twente, and as per existing rules & regulations; decision of the Institute in this regard shall be final.</p>
COURSE FOR DECISION MAKERS			
21.	O-DM	Remote Sensing- An Overview for Decision Makers	<ul style="list-style-type: none"> • Officers of All India Services having 5 years of experience in service (OR) • Senior Officials/Functionaries working in Govt. Organizations/ Academic Institutes/ Research Institutes/ Geospatial Industry/ NGOs or Entrepreneurs having 15 years of experience in service
			<ul style="list-style-type: none"> • Last date to Apply: 01.05.2020 • Number of Seats: 15 (for Indian nationals only) • Course start date: 02.06.2020; Course completion: 05.06.2020 • Process of Application: Refer course flyer in IIRS website (www.iirs.gov.in) for submitting application and additional details. Application Fee: Nil • Course Fee: ₹ 16,000/- (includes boarding + lodging charges)

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
<ul style="list-style-type: none"> Note: All seats are for Indian nationals only. Candidates nominated by the govt. organizations will be given preference for admission. Refer course flyer in IIRS website (www.iirs.gov.in) for additional details. 			
INTERNATIONAL PROGRAMMES – ITEC COURSES (Only for Foreign Nationals from ITEC Partner Countries)			
22.	S-GI	Short Course on Geoinformatics (ITEC-Sponsored)	P.G. Deg./ U.G. Deg./ Diploma in Phy./ Chem./ Maths/ Botany/ Forestry/ Zool./ Wildlife Sci./ Env. Sci./ Life Sci./ Agri. Sci./ Meteorology (Agro/Hydro)/ Geog. (with B.Sc. at U.G. level) or any other Sci./Engg. discipline with sufficient knowledge of Maths/Statistics at high school (10 th) level/ Middle-level resource managers and professionals from Govt./ NGOs/ Universities with 2-years of work experience
<ul style="list-style-type: none"> Number of Seats: 20 (all seats for ITEC Partner Countries only) Course start date: 14.09.2020; Course completion: 06.11.2020 Process of Application: Candidates should apply through Ministry of External Affairs, Govt. of India (www.itecgoi.in). Course Fee: Nil Eligibility: Age Limit - 25 to 45 yrs. Only Foreign Nationals from ITEC Partner Countries having qualification as mentioned above (Sl. No. 22) are eligible to apply. Note: Refer course flyer in IIRS website (www.iirs.gov.in) and Ministry of External Affairs, Govt. of India website (www.itecgoi.in) for additional details. 			
23.	S-RS	Short Course on Remote Sensing with special emphasis on Digital Image Proc. (ITEC-Sponsored)	P.G. Deg./ U.G. Deg./ Diploma in Phy./ Chem./ Maths/ Botany/ Forestry/ Zool./ Wildlife Sci./ Env. Sci./ Life Sci./ Agri. Sci./ Meteorology (Agro/Hydro)/ Geog. (with B.Sc. at U.G. level) or any other Sci./Engg. discipline with sufficient knowledge of Maths/ Statistics at high school (10 th) level/ Middle-level resource managers and professionals from Govt./ NGOs/ Universities with 2-years of work experience
<ul style="list-style-type: none"> Number of Seats: 20 (all seats for ITEC Partner Countries only) Course start date: 11.01.2021; Course completion: 05.03.2021 Process of Application: Candidates should apply through Ministry of External Affairs, Govt. of India (www.itecgoi.in). Course Fee: Nil Eligibility: Age Limit - 25 to 45 yrs. Only Foreign Nationals from ITEC Partner Countries having qualification as mentioned above (Sl. No. 22) are eligible to apply. Note: Refer course flyer in IIRS website (www.iirs.gov.in) and Ministry of External Affairs, Govt. of India website (www.itecgoi.in) for additional details. 			
CERTIFICATE COURSE			
24.	C-RS	Short Course on Remote Sensing and Image Analysis	Bachelor's degree in Sci./Engg. (OR) Government officials with Bachelor's degree in any discipline
<ul style="list-style-type: none"> Start date to Apply: 03.08.2020 • Last date to Apply: 13.11.2020 [17:30 hrs] • Number of Seats: 20 (all seats for Indian Nationals only) Course start date: 11.01.2021; Course completion: 05.03.2021 Process of Application: <u>Only Online Applications</u> will be considered. Govt.-sponsored candidates must submit the Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application. The template of the Nomination Form can be downloaded from https://admissions.iirs.gov.in/. Application Fee: Rs. 1000/-. 			

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
<ul style="list-style-type: none"> • Course Fee: 20,000 (Rs. 12,000 tuition fee + Rs. 8,000 towards registration & other charges). Boarding & lodging charges in IIRS Hostel are extra (Rs. 6,000 per month approx.) and will have to be paid by the candidate as per the IIRS hostel rules & regulations. • Announcement of selection list: 04.12.2020 • Note: Candidates nominated by the govt. organizations will be given preference for admission. Refer course flyer in IIRS website (www.iirs.gov.in) for additional details. 			
NNRMS-ISRO SPONSORED CERTIFICATE COURSES FOR FACULTY OF UNIVERSITY (INCLUDING AFFILIATED COLLEGES) & FACULTY*/SCIENTISTS*/ ENGINEERS*/OFFICERS* WORKING IN GOVT. ORGANIZATIONS			
25.	N-GI	GIS Technology & Advances	P.G. Deg. in Sci./ Engg./ Geog./ Comp. App.
26.	N-WR	RS & GIS Applications in Water Resources	P.G. Deg. in Civil Engg./ Agri. Engg./ Env. Sci./ Geology or equivalent
27.	N-FE	RS & GIS Applications in Forest Resources & Ecosystem Analysis	P.G. Deg.in Bot./ Ecol./ For./ Env. Sci./ Zool./ Wildlife Sci./ Life Sci./ Biosci. or equivalent
28.	N-UR	RS & GIS Applications in Urban & Regional Studies	P.G. Deg. in Planning/ Civil Engg./ Arch./ Geog./ Geoinformatics or equivalent
29.	N-SIP	Satellite Image Analysis & Photogrammetry	P.G. Deg. in Phy./ Appl. Phy./ Maths/ Stat./ Appl. Maths/ Comp. Sci./ Civil Engg./ Electron. Engg./ Electrical Engg./ Electrical & Electron. Engg./ ECE/ Comp. Sci./ IT/ Geography/ Geoinform. or equivalent
30.	N-GS	RS & GIS Applications in Geosciences	P.G. Deg. in Geol./ Appl. Geol./ Geophy./ Earth Sci./ Geoexplor./ Petrol. Engg./ Geo-Engg./ Mining Engg./ Civil Engg./ Geog. or equivalent
31.	N-AS	RS & GIS Applications in Agriculture & Soils	P.G. Deg. in Agri./ Geog./ Env. Sci./ Agri. Engg./ Soil Cons. or equivalent
32.	N-CO	RS & GIS Applications in Coastal & Ocean Sciences	P.G. Deg.in Marine Sci./ Geol./ Oceanog./ Appl. Geol./ Env. Sci. or equivalent
33.	N-GVW	Geocomputation and Visualization in Web Platforms	P.G. Deg. in Sci./ Engg./ Comp. App. with Bachelor's degree in Engg. or Science with Maths as a subject
34.	N-NHD	Natural Hazards and Disaster Risk Management	P.G. Deg. in Sci./ Engg./ Planning/ Geog./ Comp. App./ Disaster Mgmt. or equivalent
<ul style="list-style-type: none"> • Last date to Apply: 13.03.2020 [17:30 hrs] • Course start date: 11.05.2020; Course completion: 03.07.2020 • Process of Application: <u>Only Online Applications</u> will be considered. Applicants who wish to be considered as NNRMS/ISRO-sponsored (i.e., Govt.-sponsored) candidates must submit the Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application. The template of the Nomination Form can be downloaded from https://admissions.iirs.gov.in/. <u>Application Fee:</u> Nil • Course Fee: NNRMS/ISRO-sponsored candidate[#] = Nil; Self-financed candidate^{**} = Rs. 12,000. <u>Boarding & Lodging:</u> Self-financed candidates will have to pay boarding & lodging charges in IIRS Hostel (Rs. 6,000 per month approx.); while NNRMS-ISRO-sponsored candidates will have to pay only the boarding (hostel-mess) charges (Rs. 3,000 per month approx.) out of living expenses paid to them, as per the IIRS hostel rules & regulations. • Announcement of selection list: 03.04.2020 <p><i>[#]Regular/Permanent faculty members (teachers) of UGC/AICTE approved universities & their affiliated colleges nominated by Vice Chancellor/ Principal/ Registrar/ Dean, and Regular/Permanent Faculty/Scientists/Engineers/Officers nominated by the competent authority of the Central/State Govt. organisations/institutions will be considered as NNRMS/ISRO-sponsored (i.e. Govt.-sponsored) candidates. Such candidates will be eligible for payment of TA (2nd AC train fare) and nominal living expenses by IIRS as per the provision available under this programme and as per rules (for details, refer course flyer in IIRS website). <u>Further, such candidates must submit Nomination Form from the</u></i></p>			

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
<p><i>Competent Authority of their parent organisation/institute at the time of submitting the online application. The template of the Nomination Form can be downloaded from https://admissions.iirs.gov.in</i></p> <p><i>*Preference will be given to Regular/Permanent faculty members (teachers) of UGC/AICTE approved universities & their affiliated colleges.</i></p> <p><i>**All such candidates who have not submitted the Nomination Form from the Competent Authority of their parent organisation/institute or those who are not entitled for being considered as NNRMS/ISRO-sponsored candidates, will be treated as Self-Financed candidates.</i></p> <p>For further details, refer the Course Flyer (https://admissions.iirs.gov.in/) and also the following link: https://www.iirs.gov.in/nrmssponsoredcourses</p>			
AWARENESS COURSE FOR SCHOOL STUDENTS			
35.	C-SC	Usefulness of Remote Sensing & GIS for Environmental Study	Class X-XII students
<ul style="list-style-type: none"> • Last date to Apply: 01.05.2020 • Number of Seats: 50 (only for students of Indian schools) • Course start date: 22.06.2020; Course completion: 26.06.2020 • Process of Application: Refer course flyer in IIRS website (www.iirs.gov.in) for submitting application and additional details. Application Fee: Nil • Announcement of selection list: 13.05.2020 • Course Fee: Nil • Note: No accommodation will be provided to the participants of this course (C-SC; Sl. No. 35). 			
SPECIAL COURSES			
36.	SP-WR	Remote Sensing and GIS Applications in Hydrological Modeling	P.G. Deg. in Civil Engg./ Agri. Engg./ Water Resources/ Hydrology/ Env. Sci./ Geology or equivalent
<ul style="list-style-type: none"> • Start date to Apply: 20.01.2020 • Last date to Apply: 06.03.2020 • Number of Seats: 20 (all seats for Indian nationals only) • Course start date: 20.04.2020; Course completion: 01.05.2020 • Process of Application: <u>Only Online Applications</u> will be considered. Refer course flyer in IIRS website (www.iirs.gov.in) for submitting application and additional details. Application Fee: Nil • Announcement of selection list: 20.03.2020 • Course Fee: ₹ 6,500/- (Rs. 4,000: Tuition Fee + Rs. 2,500: Registration & Other Charges). Boarding & lodging charges in IIRS Hostel are extra (Rs. 2,500 approx.) and will have to be paid by the candidate as per the IIRS hostel rules & regulations. • Note: Candidates nominated by the govt. organizations & professionals working in the field of water resources, hydrology and allied themes will be given preference for admission. 			

Sl. No.	Course/ Spl. Code	Course/ Specialization Name	Essential Qualification Required to Apply
			<ul style="list-style-type: none"> Note: Candidates nominated by the govt. organizations & professionals working in the field of Remote Sensing & GIS Applications in Agriculture will be given preference for admission.

Important Information for Candidates

- **Only Online Applications will be considered**, except for the O-DM course (Sl. No. 21) and C-SC course (Sl. No. 35).
- **Application Fee for Courses at Sl. No. 1 to 20, 24:** For Indian nationals – Rs. 1,000*; For Foreign nationals – USD 100*.
 - Fee should be paid online.
 - *Candidate applying for both P.G. Diploma (Sl. No. 1-9) and M.Tech. (Sl. No. 10-18) will have to pay the Application Fee Rs. of 1500/- (USD 150 for foreign nationals). Candidate has to choose only one specialization at the time of applying online, which cannot be changed subsequently. Further, if the candidate wishes to apply for P.G. Diploma as well as M.Tech., he/she has to select the same specialisation for both the courses, give the order of preference for P.G. Diploma and M.Tech, and pay the requisite application fee.
 - *Candidate applying for both P.G. Diploma in Geoinformatics (D-GI; Sl. No. 19) and M.Sc. in Geoinformatics (MS-GI; Sl. No. 20) will have to pay the Application Fee Rs. of 1500/- (USD 150 for foreign nationals). Further, if the candidate wishes to apply for P.G. Diploma in Geoinformatics (D-GI) as well as M.Sc. in Geoinformatics (MS-GI), he/she has to select both the courses, give the order of preference, and pay the requisite application fee.
- **Instructions for Appearing Candidates:**
 - Candidates in the final semester/year of the qualifying degree can also apply for the P.G. Diploma, M.Tech. and M.Sc. courses (mentioned above at Sl. No. 1 to 20) under the “Result Awaited” category. However, such candidates must submit the proof of marks/grades (cumulative marks/CGPA) till the pre-final semester/year at the time of submitting the online application, without which the application will be treated as incomplete and will be rejected.
 - Admission of such appearing candidates, if selected, will be provisional and they will have to submit the marksheets/certificates of final semester/year on the date of registration (during admission) or before the last date as announced/decided by IIRS. Non-fulfilment of this condition will automatically result in the cancellation of the provisional admission.
- **Instructions for Govt.-sponsored Candidates:**
 - Govt.-sponsored candidate means only the Permanent Employee nominated by a Govt. organization in India (Central or State Government Ministries/Departments or Autonomous Institutions and State or Central Govt.-funded Universities). Nominating organizations are required to meet all expenses viz., traveling allowance, daily allowance, contingent expenses, medical expenses, etc. for their candidates.
 - Courses at Sl. Nos. 21, 24, 36-39 are paid courses for all, including candidates nominated by the Govt. organizations.
 - **Govt.-sponsored candidates must submit the Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application.** The template of the Nomination Form can be downloaded from <https://admissions.iirs.gov.in>.
 - In case of NNRMS-ISRO sponsored courses (S. No. 25 to 34), Regular/Permanent faculty members (teachers) of UGC/AICTE approved universities & their affiliated colleges nominated by Vice Chancellor/ Principal/ Registrar/ Dean, and Regular/Permanent Faculty/Scientists/Engineers/Officers nominated by the competent authority of the Central/State Govt. organisations/institutions will be considered as NNRMS-ISRO-sponsored candidates. Such candidates will be eligible for payment of TA (2nd AC train fare) and nominal living expenses by IIRS as per the provision available under this programme and as per rules. Further, such candidates must submit Nomination Form from the Competent Authority of their parent organisation/institute at the time of submitting the online application. The template of the Nomination Form can be downloaded from <https://admissions.iirs.gov.in>. All such candidates who have not submitted the Nomination Form from the Competent Authority of their parent organisation/institute or those who are not entitled for being considered as NNRMS-ISRO-sponsored candidates, will be treated as Self-Financed candidates.
- Candidate should ensure his/her eligibility and then apply for the relevant course(s). Incomplete application (including non-payment of application fee, wherever applicable) will be summarily rejected.
- Course fee and other expenditure are likely to change as per IIRS and collaborating University’s/ Institute’s policy.
- **Payment of Fee:**
 - Self-financed candidates, if selected in courses mentioned at S.No. 1-20 of this calendar, have to make an payment of Rs.10,000/- (subject to change) on or before the last date mentioned in the letter sent by the Institute (IIRS) for confirmation of seat, failing which seats will be offered to the wait-listed candidates; this amount will be adjusted in the course fee later. Remaining fee will have to be paid on or before the date specified by IIRS. Refund of fee will be governed by the fee refund policy of IIRS (available in website).

- For courses at Sl. No. 21, 24, 36-39 (Govt.-sponsored & self-financed candidates) and Sl. No. 25-34 (for self-financed candidates), full fee has to be paid on or before the date specified by IIRS prior to the commencement of the course. Refund of fee will be governed by the fee refund policy of IIRS (available in website).
- Boarding and lodging charges in IIRS Hostel are currently Rs. 4,500/- to Rs. 6,000/- per month (approx.). Local candidates will be considered for hostel accommodation, only if available.
- Increase and decrease in number of seats and age/qualification relaxation for candidates nominated by the govt. organizations will be at the discretion of the institute. In the event of number of applications being large, institute may adopt short-listing criteria based on academic record, relevant experience, etc. **Government-sponsored candidates will be given preference for admission.**
- If the date of course commencement falls on a holiday, course will start from next working day.
- The medium of instructions in the courses is English.

To apply online, please visit <https://admissions.iirs.gov.in>. For any further details, please contact: Group Head, Programme Planning & Evaluation Group, Indian Institute of Remote Sensing, ISRO, 4 Kalidas Road, Dehradun-248001, Uttarakhand, India. Tel: +91-135-2524105, 2524106, Fax: +91-135-2741987, 2748041; E-mail: admissions@iirs.gov.in. Kindly visit www.iirs.gov.in for other details. **Correspondence will generally be done through e-mail. Therefore, all candidates are advised to regularly check their email and visit IIRS website frequently for regular updates.**