

INDIAN INSTITUTE OF REMOTE SENSING, DEHRADUN
CALENDAR OF TRAINING COURSES (2017)

[Last updated on 12 January 2017 (Revised)]

S. No.	Course Code	Course Name	Entrance Requirements	
POST-GRADUATE DIPLOMA IN REMOTE SENSING AND GIS WITH SPECIALIZATION IN FOLLOWING DISCIPLINES				
		Specialization	Intermediate/ Pre-University	Essential Qualifications
1.	D-AS	Agriculture and Soils	Science	M.Sc. in Agriculture (Soil Sci./ Agromet./ Agron./ Plant Physiol./ Hort./ Soil Cons./ Watershed Mgmt.)/ Env. Sc.* OR 4 Years B.Sc. (Agri./ Hort.) OR B.E./ B.Tech.(Agril. Engg./ Agri. Informatics) OR M.A./M.Sc. in Geography*
2.	D-FE	Forest Resources & Ecosystem Analysis	Science	4 years B.Sc. Forestry/ Biotech./ Forest-Biotech./ Bioinformatics OR B.E./ B.Tech. (Biotech./ Forest. Biotech./ Bioinformatics/ Genetic Engineering) OR M.Sc.(Forestry/ Ecology/ Botany/ Wildlife Sci./ Biosci./ Zoology/ Env. Sci.*/ Life Sci./ Plant Science) with Biology subjects at Graduation OR M.A./M.Sc. in Geography*
3.	D-GG	Geosciences	Science	B.Tech./ B.E. in Civil Engg./ Geosci./ Petrol. Engg./ Mining Engg./ Mineral Processing OR M.Sc./ M.Sc.(Tech.)/ M.Tech. in Geol./ Appl. Geol./ Geophy./ Earth Sci./ Geoexplor./ Petrol. Engg./ Geo-Engg./ Mining Engg./ Geography
4.	D-MS	Marine & Atmospheric Sciences	Science with Maths	M.Sc. in Marine Sci./ Earth Sci./ Phy./ Oceanog./ Meteor./ Atm. Sci./ Env. Sci.*/ Maths OR Master in Geography with B.Sc. in Phy., Chem., Math, Geology, Env. Sci. / Marine Biology
5.	D-UR	Urban & Regional Studies	Science	B. Plan./ B.Arch OR B.E./ B.Tech. (Civil/ Comp. Engg./ I.T.) OR Master (Plan./ Arch./ Civil/ Comp. Engg. / IT/ Geo-inform. or equivalent / Env.Sc.*) OR M.A./M.Sc. in Geography*
6.	D-WR	Water Resources	Science with Maths	B.E./ B.Tech. (Civil Engg./ Agril. Engg./ Water Resources Engg./ Structural Engg.) OR Master (Geol./ Env. Sci.*)
7.	D-PR	Photogrammetry & Remote Sensing	Science with Maths	B.E./ B.Tech./ B.Sc. Engg. (Civil / Electronics/ Electrical/ E.C.E./ Comp. Sci./ Comp. Engg./ IT/ Geomatics/ Geoinform./ Remote Sensing) OR M.Sc./ M.Tech. (Phy./ Appl. Phy./ Maths/ Chem./Stat./ Appl. Maths/ Geoinform./ Geomatics/ Remote Sensing or equivalent)/ Geography with Science Subjects at Graduation level
8.	D-NHDRM	Natural Hazards & Disaster Risk Management	Science	B. Arch./ B. Plan./ M. Plan. OR M.A./M.Sc. in Geography* OR B.E./ B.Tech. (Civil/ Agril./ Env./ Geosci./ Geoexplor./ Geo-Engg./ Earthquake Engg./ I.T./ Comp. Sci.) OR B.Sc. (4-year Forestry/ Agri.) OR Master (Disaster Mgmt.)/ MCA with Science Subjects at Graduation level OR M.Sc. (Phy./ Maths/ Chem./ Botany/ Zool./ Geol./ Earth Sci./ Env. Sci.*/ Marine Sci./ Atm. Sci./ Agri./ Forestry)
<p>1. Each specialisation has 6 seats</p> <p>2. Start date: 14.08.2017 and Completion date: 15.06.2018</p> <p>3. Last date to Apply: 30.04.2017</p> <p>4. Course fee: Govt. Sponsored = Nil, Self-financed (Indian) = Rs. 60,000.00, Self-financed (Foreign) = \$ 6,000 USD</p>				*with graduation in Science however M.Sc. will be preferred
M.TECH. IN RS & GIS WITH SPECIALIZATION IN FOLLOWING DISCIPLINES				
9.	M-RG	Specialization: (i) Agriculture and Soils, (ii) Forest Resources & Ecosystem Analysis, (iii) Geosciences, (iv) Marine & Atmospheric Sciences, (v) Urban & Regional Studies, (vi) Water Resources, (vii) Satellite Image Analysis & Photogrammetry and (viii) Geoinformatics		<p>For specializations from Sl. No. 1 to 7: corresponding qualifications as mentioned for Post-Graduate Diploma courses are applicable. Candidate with M.Sc.(Geog.) and graduation in Science subjects is eligible.</p> <p>Entrance Requirement for Geoinformatics Specialization: M.Sc./ M.Tech. (Physics/ Appl. Physics/ Electron./ Maths/ Appl. Maths/ Stat./ IT/ Comp. Sci./ Geo-Engg.) OR M.Sc.(Remote Sensing/ Geoinform./ Geomatics or its equivalent), OR M.Sc. (Geog.) with graduation in Science OR B.E./ B.Tech./ B.Sc.(Engg.) (with four year deg. course) in Civil/ Electron. & Comm./ Elect./ Comp. Sci./ Comp./ IT/ Remote Sensing/ Geoinform./ Agri. Inform./ Forest Inform</p>
1. M.Tech. course has 30 seats.				

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<p>2. Start date: 14.08.2017 and Completion date: 16.08.2019, 3. Last Date to Apply: 30.04.2017 4. Course fee: Govt. Sponsored = Rs. 20,000 (Andhra Univ. Regn. Fee), Self-financed (Indian) = Rs. 1,44,000 + Rs. 20,000 (Andhra Univ. Regn. Fee) Self-financed (Foreign) = 14, 400 USD + Rs. 20,000 (Andhra Univ. Regn. Fee) Note (for M.Tech. and PG Diploma Courses): a. Candidates should have secured a minimum of 55% marks in the qualifying examination. b. M.Tech. degree is accredited by Andhra University, Visakhapatnam. c. Diploma holders with engineering degree in relevant discipline will be allowed for both PG Diploma and M.Tech. programme d. Admission for M.Tech. course is based on entrance test (held at Bangalore, Dehradun, Jodhpur, Kolkata, Nagpur, Shillong and Thiruvananthapuram), interview and academic record. Govt.-sponsored candidates are exempted from written test and they have to appear only for interview. Other candidates need to appear for Entrance Examination followed by Interview. e. Admission to P.G. Diploma course is based on merit considering the academic record and subject relevance. Govt. sponsored candidates are given preference. f. Discipline, once opted, can't be changed during the course. The age limit for admission to above courses (Sl. No. 1-8) is 45 yrs.</p>			
IIRS-ITC JOINT EDUCATION PROGRAMME			
10.	D-GI	Post-Graduate Diploma in Geoinformation Science & Earth Observation with specialization in Geoinformatics	Science M.Sc./ M.Tech. (Phy./ Appl. Phy./ Electron./ Maths/ Appl. Maths/ Stat./ IT/ Comp. Sci./ Geology/ Geophysics/ Geo-Engg./ Agriculture/ Forestry/ Env. Sci.), OR Master in Geog. (having B.Sc. in science subjects) OR B.E./ B.Tech./ B.Sc.(Engg.) (with 4 years deg. course) in Civil/ Electron. & Comm./ Comp. Sci./ Comp./ IT/ Electrical/ Geoinformatics/ Geomatics/ Agril./ Geosci./ Petrol./ Mining/ Agri. Inform./ Agriculture/ Forest Inform./ Forestry or equivalent OR B.Arch./ B.Plan./ M.Arch./ M.Plan. OR MCA (having B.Sc. in Science subjects) OR Govt. officials having B.Sc. and Science at 10+2 level only for P.G. Diploma
<p>1. Total seats = 10 Nos. 2. Start date: 18.09.2017 and Completion date: 20.07.2018 3. Last Date to Apply: 30.04.2017 4. Course Fee: Govt. Sponsored = EURO 450, Self-financed (Indian) = Rs. 65,000 + Euro 450 (ITC Fee), Self-financed (Foreign) = Euro 3000 + Euro 450 (ITC-fee) Note: (i) Post-Graduate Diploma in Geoinformatics (D-GI) is awarded jointly by IIRS and ITC/University of Twente. (ii) Admission for PG Diploma Course is based on merit considering the academic record and experience. Government-sponsored candidates are given preference.</p>			
11.	M-GI	M.Sc. in Geoinformation Science & Earth Observation with specialization in Geoinformatics	Entrance requirements as mentioned under Sl. No. 10.
<p>1. Total seats = 10 Nos. 2. Start date: 18.09.2017 & Completion date: 22.03.2019 3. Last date to Apply: 30.04.2017 4. Course Fee for Individual Candidate - Govt. Sponsored = Nil Fee to IIRS + ITC Fee[#] + Others[%] - Self-financed (Indian) = Rs. 1,20,000 + ITC Fee[#] + Others[%] - Self-financed (Foreign) = Euro 5000 (payable to IIRS) + ITC Fee[#] + Others[%] #ITC Fee: [Euro 4708 (tuition fee)] Plus Euro 4043 approx. (towards living allowance [Euro 3563], Insurance [Euro 170] & other cost [Euro 310] for 4.5 month stay in The Netherlands) payable to ITC] %Others: To and fro air- travel to visit ITC (to be borne by student) Note: (i) For M.Sc. course, candidate should have secured a minimum of 60% marks in the qualifying examination. (ii) The M.Sc. degree is awarded by the University of Twente, The Netherlands under Joint IIRS-ITC Education Program. (iii) The admission for M.Sc. Course is based on entrance test (held annually at Bangalore, Dehradun, Jodhpur, Kolkata, Nagpur, Shillong and Thiruvananthapuram), interview and academic record; government-sponsored candidates are exempted from appearing in the entrance test.</p>			

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REMOTE SENSING APPLICATIONS: THEME-SPECIFIC ORIENTATION COURSE			
12.	O-DM	Remote Sensing –An Overview for Decision Makers	Decision makers in organizations (with 10 yrs. experience in service)
1. Total seats = 10 Nos. 4. Course Fee for Individual Candidate - Govt. Sponsored = Rs. 10,000 (includes boarding + lodging charges) 2. Start date:12.06.2017 & Completion date: 15.06.2017 - Self-financed (Indian) = 10,000 (includes boarding + lodging charges) 3. Last date to Apply: 12.05.2017			
INTERNATIONAL PROGRAMMES (Only for Foreign Nationals from ITEC/SCAAP Partner Countries)			
13.	S-RS	Short Course on Remote Sensing with special emphasis on Digital Image Processing (ITEC-Sponsored)	P.G. Deg./ Grad. Deg./ 5-year Diploma in Phy., Chem., Maths, Botany, Forestry, Zool, Wildlife Sci., Env. Sci., Life Sci., Agri. Sci., Meteorology (Agro/ Hydro) subjects, Geog. (with B.Sc. at Grad. level) or any other Sci. / any discipline of Engg. with sufficient knowledge of Maths/ Stat. at high school level/ middle level resource managers and professionals from Govt., NGOs, Universities with 2-year work experience. Age limit: up to 45 yrs.
1. Total seats = 20 2. Start date: 09.01.2017 & Completion date: 03.03.2017			
14.	S-GI	Short Course on Geoinformatics (ITEC-Sponsored)	P.G. Deg./ Grad. Deg./ 5-year Diploma in Phy./ Chem./ Maths/ Botany/ Forestry/ Zool/ Wildlife Sci./ Env. Sci./ Life Sci./ Agri. Sci./ Meteorology (Agro/ Hydro), Geog. (with B.Sc. at Grad. level) or any other Sci./ any discipline of Engg. with sufficient knowledge of Maths/ Stat. at high school level/ middle level resource managers and professionals from Govt./NGOs/Universities with 2-year experience. Age limit: up to 45 yrs.
1. Total seats = 20 2. Start date: 18.09.2017 & Completion date: 10.11.2017			
ITEC Course Fee for Individual Candidate - Govt. Sponsored = Rs. 21,000, - Self-financed (Indian) = Rs. 21,000 (12,000- Fee + 9,000 - Regn.) - Candidates should Apply through Ministry of External Affairs Govt. of India (www.itecgoi.in)			
CERTIFICATE COURSE			
15.	C-RS	Short Course on Remote Sensing and Image Interpretation	Graduate in any discipline with 2 years' experience
* 1. Total seats = 05 Nos. 4. Course Fee for Individual Candidate - Govt. Sponsored = Rs. 20,000 (12,000- Fee + 8,000 - Regn.) 2. Start date: 09.01.2017, Completion date: 03.03.2017, - Self-financed (Indian) = Rs. 20,000 (12,000- Fee + 8,000 - Regn.) 3. Last date to Apply: 15.12.2016			
NNRMS-ISRO SPONSORED CERTIFICATE COURSES: FOR UNIVERSITY FACULTY ONLY			
16.	N-GI	GIS Technology and Advances	P.G. Deg. in Sci./ Engg./ Geog. / MCA
17.	N-WR	RS & GIS in Water Resources	P.G. Deg. in Civil / Agril. Engg.
18.	N-FE	RS & GIS in Forestry/ Ecology / Wildlife/ Env. Sciences	P.G. Deg.in Bot. /Ecol. /For. /Env. Sci. / Zool. / Wildlife Sci. /LifeSci. / Biosci.
19.	N-UR	RS & GIS in Urban & Regional Studies	P.G. Deg. in Plann. /Civil Engg. /Arch./Geog.
20.	N-CM	RS & GIS in Cartography and Mapping	P.G. Deg. in Sci./ Engg./ Geog.
21.	N-GG	RS & GIS in Geosciences	P.G. Deg. in Geol./Appl. Geol./ Geophy./ Geog.
22.	N-GA	RS & GIS in Soils & Land Use Planning	P.G. Deg. in Agri./Geog./ Env. Sci./Agric. Engg./Soil Cons.
23.	N-CO	RS & GIS in Coastal & Ocean Sciences	P.G. Deg.in Marine Sci./Geol./Oceanog./Appl. Geol./ Env. Sci.
1. Each discipline has 8 seats 4. Course Fee for Individual Candidate - Govt. Sponsored = Nil 2. Start date: 01.05.2017 & Completion date: 23.06.2017 - Self-financed (Indian) = Rs. 12,000 3. Last Date to Apply: 31.03.2017			

Important information:

- a) If the date of course commencement falls on a holiday, course will start from next working day.
- b) Sponsoring organizations are required to meet all expenses viz., traveling allowance, daily allowance, contingent expenses, medical expenses, etc. for their candidates. However, courses at Sl. Nos. 12, 13, 14 & 15 are paid courses for all including Govt. organizations. In case of NNRMS course, sponsored candidates admitted are paid TA/DA as per applicable ISRO/DOS rules.
- c) Govt. organizations (Central/State Government Ministries/ Departments or Autonomous Institutions and State and Central Govt.-funded Universities) can sponsor only permanent employee.
- d) Course fee and other expenditure are likely to change as per IIRS and collaborating University's/ Institute's policy.
- e) Security deposit: Self-financed candidates have to deposit security deposit one month prior to the commencement of the course @ Rs. 4000/- in respect of Certificate Courses @ Rs.6000/- in respect of P.G. Diploma Courses, and @ Rs. 10000/- in respect of M.Sc./M.Tech. courses failing which seats would be offered to the wait-listed candidates.
- f) Boarding and lodging charge at IIRS Hostel are Rs. 2500 p.m. (approx.). Local candidates will be considered for hostel accommodation only if available.
- g) Number of seats are subject to change for all courses as per facility available and the decision of Director, IIRS shall be final regarding admissions.

For further details, please contact: Dean (Academics) or Group Head, Program Planning & Evaluation Group, Indian Institute of Remote Sensing, ISRO, 4 Kalidas Road, Dehradun-248001, U.K., India. Tel: +91-135-2524105, 2524106, 2524107, Fax: +91-135-2741987, 2748041; E-mail: admissions@iirs.gov.in. Kindly visit our website-www.iirs.gov.in for details about IIRS and application form download.