



ANNUAL REPORT

2019-20

**HUMAN RESOURCE DEVELOPMENT
CENTER
INTEGRAL UNIVERSITY, LUCKNOW**

INTEGRAL UNIVERSITY, LUCKNOW
HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)
ANNUAL REPORT 2019-20

S.No.	Program Details	Page No.
1	Orientation Program on “Code of Conduct for Faculty Members” on 9 th August, 2019	6
2	IIRS ISRO Outreach Programme on “Advances in Remote Sensing and geospatial technologies for Disaster early warning, monitoring and mitigation” on 8 th July to 12 th July, 2019	7-9
3	IIRS ISRO Outreach Programme on “Digital Photogrammetry based 3D modelling” on 29 th July to 2 nd August, 2019	10-11
4	Short Term Course on “Research Oriented Project Work (ICT22)” on 5 th August to 9 th August, 2019	12-13
5	Short Term Course on “Electric Vehicle Technology (ICT23)” on 26 th August to 30 th August, 2019	14-15
6	IIRS ISRO Outreach Programme on “RS & GIS Applications” on 29 th October to 22 nd November, 2019	16-17
7	IIRS ISRO Outreach Programme on “Geo-processing and Visualization on Web Platform” on 27 th January to 7 th February, 2020	18-19
8	Short Term Course on “Affordable Housing in Disaster Prone Areas (ICT-78)” on 2 nd March to 6 th March, 2020	20-21
9	IIRS ISRO Outreach Programme on “9011- IIRS ISRO Special Course on Remote Sensing, GIS and GNSS Technology” on 13 th April to 25 th April, 2020	22-24
10	Short Term Course (STC) “Outbreak of COVID19 pandemic” on 11 th May to 26 th June, 2020	25-27
11	IIRS ISRO Outreach Programme on “Overview of Planetary Geosciences with special emphasis to the Moon and Mars” on 8 th June to 12 th June, 2020	28-29
12	Expert Lecture on “Research writing” by Dr. Thayaparan Gajendran, Research Director, School of Architecture and Built Environment, University of Newcastle, Australia on 02 nd March, 2020	30-31

S.No.	Program Details	Page No.
13	FDP on “Courseware Creation using Moodle for Outcome Based Education” on 8 th July to 5 th September, 2019	32-34
14	FDP on “Advances in Control and Its Application in Green Energy Technology” on 27 th September to 1 st October, 2019	35-36
15	Faculty Development Programme on “R Programming” on 11 th May to 15 th May, 2020	37-38
16	Faculty Development Programme on “Moodle : Learning Management System” on 16 th May to 20 th May, 2020	39-40
17	National Workshop on “Anti-Plagiarism in Research” on 3 rd August, 2019	41-44
18	National Workshop on “Developing critical thinking using Learning Management Systems (LMS) and ICT tools” on 5 th August to 9 th August, 2019	45-48
19	Symposium on “Segregated Waste Disposal and Management” on 7 th November, 2019	49-51
20	Workshop on “R Programming Language for Teachers” on 9 th November, 2019	52
21	Workshop on C and C++ on 29 th February, 2020	53-54
22	Webinar on “COVID-19 Awareness, Preparedness & Myths” on 21 st May, 2020	55
23	International Webinar on “Covid-19: Impact on economic growth of India and Ukraine” on 23 rd May, 2020	56-57

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)
ANNUAL REPORT 2019-20
HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)
INTEGRAL UNIVERSITY, LUCKNOW

Under the national policy on education (NPE) 1986, to achieve continuous knowledge up-gradation, capacity building and motivation of teachers for accepting modern day challenges, Integral University constituted an Academic Staff College (ASC) in its campus at Dasauli, Kursi Road, Lucknow on June 26, 2013, with following objectives:

- To improve the art of teaching.
- To upgrade the skill of teaching faculty.
- To achieve goals of higher education.
- To carry out the programmes of the Personality Development and Creativity in students.
- To promote Computer Literacy as well as use of ICT in teaching and learning process etc.

Later on Academic Staff College is renamed as Human Resource Development Center (HRDC) as per the new terminology introduced by Ministry of Human Resource & Development, Government of India. HRDC works continuously to achieve predefined goals as stated above. HRDC organises many expert lectures, faculty development programmes, skill enhancement workshops, seminars, short term courses etc. in association with several departments of Integral University in pursuit of the established targets. In the year 2019-20, total **One** Orientation Program, **Ten** Short Term Courses (STC), **One** Expert Lecture, **Four** Faculty Development Program (FDP) and **Eight** Workshops/Seminars were conducted by HRDC, Integral University, Lucknow.

A glimpse of HRDC activities in the year 2019-20 broadly classified under different heads is presented below:

Orientation Program			
S.No.	Title	Sponsor/Collaborator	Date
1	One Day Orientation Program on Code of Conduct for Faculty Members	Human Resource Development Center (HRDC), Integral University Lucknow	9 th August, 2019

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Short Term Courses (STC)			
S.No.	Title	Sponsor/Collaborator	Date
1	IIRS ISRO Outreach “Programme Advances in Remote Sensing and geospatial technologies for Disaster early warning, monitoring and mitigation”	HRDC, Integral University, Lucknow as a remote center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India	8 th July to 12 th July, 2019
2	IIRS ISRO Outreach Programme on "Digital Photogrammetry based 3D modelling”	HRDC, Integral University, Lucknow as a remote center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India	29 th July to 2 nd August, 2019
3	Five day ICT based Short term Course on "Research Oriented Project Work (ICT22)"	Human Resource Development Center, Integral University as a remote centre of NITTTR, Chandigarh	5 th August to 9 th August, 2019
4	One week Short Term Course on "Electric Vehicle Technology (ICT23)"	Human Resource Development Center (HRDC) & National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh	26 th August to 30 th August, 2019
5	IIRS ISRO Outreach Programme on “RS & GIS Applications”	Human Resource Development Center (HRDC), Integral University Lucknow	29 th October to 22 nd November, 2019
6	IIRS ISRO Outreach Programme on “Geo-processing and Visualization on Web Platform”	Human Resource Development Center, Integral University, Lucknow as a remote center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India	27 th January to 7 th February, 2020



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

7	Short Term Course (STC) through ICT on “Affordable Housing in Disaster Prone Areas (ICT-78)”	Human Resource Development Center (HRDC), National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh	2 nd March to 6 th March, 2020
8	IIRS ISRO Outreach Programme “Special Course on Remote Sensing, GIS and GNSS Technology”	Human Resource Development Center (HRDC), Integral University Lucknow is one of the Remote Center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India	13 th April to 25 th April, 2020
9	Short Term Course (STC) on “Outbreak of COVID19 pandemic”	Human Resource Development Center (HRDC), Integral University Lucknow	11 th May to 26 th June, 2020
10	IIRS ISRO Outreach Programme on “Overview of Planetary Geosciences with special emphasis to the Moon and Mars”	Human Resource Development Center (HRDC), Integral University Lucknow	8 th June to 12 th June, 2020
Expert Lectures			
S.No.	Title	Sponsor/Collaborator	Date
1	Expert Lecture on “Research writing” by Dr. Thayaparan Gajendran, Research Director, School of Architecture and Built Environment, University of Newcastle, Australia	School of Architecture and Built Environment, University of Newcastle, Australia, Department of Civil Engineering, Integral University, Lucknow & HRDC, Integral University, Lucknow	2 nd March, 2020
Faculty Development Program (FDP)			
S.No.	Title	Sponsor/Collaborator	Date
1	FDP (3-week FDP equivalent) on Courseware creation using Moodle for outcome based education (with CO-PO attainment as per NAAC/ NBA perspective)	Human Resource Development Center (HRDC), Integral University & IIT Bombay	8 th July to 5 th September, 2019



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

2	FDP on "Advances in Control and its Application in Green Energy Technology"	Department of Electrical Engineering, Integral University in association with Ministry of Electronics & Information Technology, Govt. of India and Department of Electrical Engineering, NIT Patna under the aegis of HRDC, Integral University	27 th September to 1 st October, 2019
3	Faculty Development Programme on "R Programming"	Department of Computer Application and Human Resource Development Center (HRDC), Integral University & Spoken Tutorial, IIT Bombay, Mumbai	11 th May to 15 th May, 2020
4	Faculty Development Programme on "Moodle: Learning Management System"	Department of Computer Application and Human Resource Development Center (HRDC), Integral University & Spoken Tutorial, IIT Bombay, Mumbai	16 th May to 20 th May, 2020
Workshops/Symposiums/Seminar			
1	Workshop on "Anti-Plagiarism in Research"	Faculty of Education under aegis of Human Resource Development Cell (HRDC), & Intellectual Property Rights Management Cell (IPRMC) Integral University, Lucknow	3 rd August, 2019
2	National Workshop on 'Developing critical thinking using Learning Management System (LMS) and ICT Tools'	Department of Electrical Engineering, Rajkiya Engineering College(REC), Ambedkar Nagar, Uttar Pradesh in association with HRDC, Integral University, Lucknow	5 th August to 9 th August, 2019
3	Workshop on "Segregated Waste Disposal and Management"	CSIR-IITR, IIT BHU & HRDC Integral University, Lucknow	7 th November, 2019
4	Workshop on "R Programming Language for Teachers on Saturday"	Teaching Learning Centre (ICT) at IIT Bombay, & HRDC Integral University, Lucknow	9 th November, 2019

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

5	Workshop on “C and C++ For Teachers”	The Teaching Learning Centre (ICT) at IIT Bombay, a scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT & HRDC Integral University, Lucknow	29 th February, 2020
6	Webinar on “COVID-19 Awareness, Preparedness & Myths”	Human Resource Development Center, Integral University Lucknow	21 st May, 2020
7	International Webinar on “Covid-19, Impact on Economic Growth of India & Ukraine”	Human Resource Development Center, Integral University Lucknow, India & Admiral Makarov National University of Shipbuilding, Kherson Branch, Ukraine and Department of Commerce & Business Management, Integral University, Lucknow	23 rd May, 2020

The HRDC is working in close coordination with various departments of Integral University, Government agencies and several other entities of national & International Repute. Aim of the HRDC is to become the centre of excellence and a proven tool in the development and upgradation of the faculty members and country thereon.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One Day Orientation Program on
“Code of Conduct for Faculty Members”**

Organized by

Human Resource Development Center, Integral University, Lucknow

09th August, 2019

To spread the Integral University’s vision on education in the teaching community, the Human Resource Development Centre in association with IQAC of the University organizes training programme for the teachers.

One of the programme which University organizes for the teaching community is a session on the code of conduct by the management team.

The orientation programme for the teaching faculty of Integral University, Lucknow was held on 09th August, 2019 at Conference Hall 1, Central Auditorium, Integral University. The programme was started at 10:00Am wherein Prof. Syed Aqeel Ahmad Director, HRDC, Integral University gave all the teachers a warm welcome and introduced about the University and the programme. Prof. T. Usmani, Proctor, Integral University, informed the faculty member about the general service rule and “does and don’ts” of the University. Mr. Ahmad Raza, Treasurer, informed the faculty members about the various taxation and compensation package.

Presentation were made by different departments that portrayed the efficiency and spirit of cooperation among the teachers. These motivational sessions were held in second half. A University visit was also organized to familiarized the faculty members with campus infrastructure. At the end Mr. Zishan Raza Khan, Dy. Director, HRDC delivered vote of thanks to all the participants and management of the University followed by group photography.





HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One Week IIRS ISRO Outreach Programme on
“Advances in Remote Sensing and geospatial technologies for
Disaster early warning, monitoring and mitigation”
(Human Resource Development Center, Integral University, Lucknow)
8th July to 12th July, 2019**

Human Resource Development Centre (HRDC), Integral University Lucknow is one of the Remote Center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India. Human Resource Development Centre, Integral University, Lucknow had successfully organized the 46-Outreach Programme on "**Advances in Remote Sensing and geospatial technologies for Disaster early warning, monitoring and mitigation**" from July 8, 2019 to July 12, 2019 for working professionals and students in association with Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Govt. of India, Dehradun.

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organization (ISRO) is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geo Informatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia.

Prime focus of 46-IIRS ISRO programme was Geological hazards: early warning, early detection and Monitoring, Global initiatives and emerging technological trends in disaster early warning and monitoring and Geo-web portals and disaster management.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



The technical sessions constituted of a wide variety of topics taken by a team of expert's viz.:

08 July 2019	Geological hazards: early warning, early detection and monitoring	Dr. P. K.Champati Ray, IIRS ISRO
09 July 2019	Forest fire: detection, monitoring and modelling for susceptibility analysis	Dr. Arijit Roy, IIRS ISRO
10 July 2019	Global initiatives and emerging technological trends in disaster early warning and monitoring	Shri. C. M. Bhatt, IIRS ISRO
11 July 2019	Role of UAVs in disaster monitoring & mitigation	Mrs. Shefali Agarwal, IIRS ISRO

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

12 July 2019	Geo-web portals and disaster management	Dr. Harish C. Karnatak, IIRS ISRO
-----------------	---	--------------------------------------

Link for IIRS ISRO Lectures

ftp://edusatdata30:EDU_46_IIRS@ftp.iirs.gov.in/Lecture_Video/02%20July%80719_Geological%20Hazards20fire%20monitoring%20and%20risk%20assessment_Dr.%20P.K.%20Champati.wmv

ftp://edusatdata46:EDU_46_IIRS@ftp.iirs.gov.in/Lecture_Video/03%20April%202019_application%20of%20remote%20sensing%20and%20global%20and%20initiatives%20managment_E.%20Arijit.wmv

ftp://edusatdata30:EDU_46_IIRS@ftp.iirs.gov.in/Lecture_Video/06%20April%202019_%20Hyper-temporal%20%20FF%20Monitoring%20using%20Geo-stationary%20Earth%20Observation%20Platform%20by%20Dr.%20C%20P%20Singh.wmv

Overall **Twenty Nine participants** from University attended the program and got benefitted from the much needed and timely **insights on geospatial technologies for Disaster early warning, monitoring and mitigation.**

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One Week IIRS ISRO Outreach Programme on
“Digital Photogrammetry based 3D modelling”
(Human Resource Development Center, Integral University, Lucknow)
29th July to 2nd August, 2019**

Human Resource Development Centre (HRDC), Integral University Lucknow is one of the Remote Center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India. Human Resource Development Centre, Integral University, Lucknow had successfully organized the 48-Outreach Programme on “**Digital Photogrammetry based 3D modeling**” from July 29 - August 2, 2019 for working professionals and students in association with Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Govt. of India, Dehradun.

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organization (ISRO) is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geo Informatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia.

Prime focus of 48-IIRS ISRO programme was Digital Photogrammetry based 3D modelling. Digital close range photogrammetry is a technique for accurately measuring objects directly from photographs or digital images captured with a camera at close range. Multiple, overlapping images taken from different perspectives, produces measurements that can be used to create accurate 3D models of objects.



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

The technical sessions constituted of a wide variety of topics taken by a team of expert's viz.:

29 July 2019	Making 3D Models with Photogrammetry	Dr. Arijit Roy, IIRS ISRO
30 July 2019	Use of Photogrammetry in 3D Modeling AND VISUALIZATION OF BUILDINGS	Dr. Arijit Roy, IIRS ISRO
31 July 2019	Digital Photogrammetry Services Aerial Photogrammetry	Dr. Harish C. Karnatak, IIRS ISRO
01 August 2019	Heritage Recording and 3D Modeling with Photogrammetry	Dr. Harish C. Karnatak, IIRS ISRO
02 August 2019	Applications of 3D Models with Photogrammetry	Mrs. Shefali Agarwal, IIRS ISRO

Link for IIRS ISRO Lectures

https://eclassems.iirs.gov.in/watch_lecture.php?id=NDgmMjkgSnVseSAyMDE5X0ludHJvZHVjaW5nIFBob3RvZ3JhbW1ldHJpYyBDb25jZXB0cyZEci4gUG9vbmFtIFMuIFRpd2FyaSY0R3VwOVFDdUwyOCYyMDE5LTA3LTI5

https://eclassems.iirs.gov.in/watch_lecture.php?id=NDgmMzAgSnVseSAyMDE5X0NvbmlcHRzIG9mIFN0ZXJlb3Bob3RvZ3JhbW1ldHJ5JkRyLiAgUG9vbmFtIFMuIFRpd2FyaSZQeVMtZTZmZS1WZyYyMDE5LTA3LTMw

https://eclassems.iirs.gov.in/watch_lecture.php?id=NDgmMzEgSnVseSAyMDE5X0RpZ2l0YWwgYW5kIFNhdGVsbGI0ZSBQaG90b2dyYW1tZXRyeSZEci4gSGluYSBQYW5kZSZwM2pyckVlaVFGcyYyMDE5LTA3LTMx

https://eclassems.iirs.gov.in/watch_lecture.php?id=NDgmMDEgQXVnIDIwMTlfQ2xvc2UgUmFuZ2UgUGhvdG9ncmFtbWV0cnkmlERyLiBIaW5hIFBhbmRlJmFubzY1RHNKdmtjJlIwMTktMDgtMDE=

https://eclassems.iirs.gov.in/watch_lecture.php?id=NDgmMDIgaXVnIDIwMTlfREVNIGFuZCBpdHMgaXZGVyaXZhdG12ZXMsIE9ydGhvaW1hZ2UgZ2VuZXJhdGlvbiZTaHJpLiBTLiBSYWdoYXZlbnRyYSZ6OFhvVjdmNkJKbyYyMDE5LTA4LTAy

Overall **Twenty Six participants** from University attended the program and got benefitted from the much needed and timely **insights on 3D Models Photogrammetry**.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**Short Term Course on
“Research Oriented Project Work (ICT22)”
(HRDC, Integral University, Lucknow, a Remote Center of NITTTR,
Chandigarh)
5th August to 9th August, 2019**

Human Resource Development Centre (HRDC) is one of the Remote Centre of Ministry of Human Resource Development, Government of India’s National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh. Being a Remote Centre, a five day Short Term Course (STC) through Information and Communication Technology (ICT) on “Research Oriented Project Work (ICT22)” was organized at HRDC, Integral University held from 05 - 09 August, 2019.

Apart from faculty members of Integral University, the STC was also attended by faculty members of other Universities. Overall Forty Six participants got benefited from this STC.



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

The technical sessions constituted of a wide variety of topics taken by a team of experts viz.:

- Research Project Concepts and Tool by Dr. Rajesh Mehra, Professor & Head CDC, NITTTR Chandigarh.
- Research Project Design Flow by Dr. Rajesh Mehra, Professor & Head CDC, NITTTR Chandigarh.
- Industry expectations from Students by Dr. A B Gupta, Professor, CDC, NITTTR, Chandigarh
- Role of Industries , Institutes and students in research project work by Dr. S K Gupta , Associate professor, CDC, NITTTR, Chandigarh
- Case Study: Computer Engineering by Dr. K G Srinivas, Professor, IMCO, NITTTR, Chandigarh.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

One Week Short Term Courseon

"Electric Vehicle Technology (ICT23)"

(HRDC, Integral University, Lucknow, a Remote Centre of NITTTR, Chandigarh)

26th August to 30th August, 2019

Human Resource Development Centre (HRDC) is one of the Remote Centre of Ministry of Human Resource Development, Government of India's National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh. Being a Remote Centre, a five day Short Term Course (STC) through Information and Communication Technology (ICT) on "Electric Vehicle Technology (ICT23)" was organized at HRDC, Integral University held from 26 - 30 August, 2019.

The technical sessions constituted of a wide variety of topics taken by a team of experts viz.:

- Overview of Electric Vehicle Technology by Dr. Lini Mathew, Professor, Electrical Engineering Department, NITTTR, Chandigarh
- Introduction to Electric Vehicle Technology and Role of EV in Smart Grid by Dr. Mukhtiar Singh, Professor, Electrical Engineering Department, DTU, Delhi.
- Hybrid Electric Vehicle Technology by Er. Kuldeep Singh, Research Scholar, Electrical Engineering Department, NITTTR.
- Interactive Session on Standards and Regulations and Various Initiatives of the Government in Integration of Electric Vehicles by Er. Bubblepreet Singh, BeeGee Consultants, Panchkula.
- AC/DC Micro-grid Power Flow Management and Control using FPGA by Er. Yuva Raj, Application Engineer, V Instruments, Madurai.
- Real Time Simulation and Testing of Electric Vehicles and Battery Management System by Er. Bhardwaj Rangachar, Field Application Engineer, Opal-RT, Bangalore.
- Energy Sources and Different Converters for Charging by Dr. Irfan Khan, Associate Professor, Electrical Engineering Deptt., CCET, Chandigarh.
- Isolated Vehicle Battery Charger with Power Conditioning Feature by Dr. ChittiBabu, Associate Professor, Electrical Engg. Deptt., IIITDM, Kanchipuram.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



Overall Twenty Seven participants got benefited from this STC. The program was very well coordinated by Ms. Sheeba Parveen, Mr. Mohammad Zunnun Khan (Department of Computer Science & Engineering), and Ms. Shara Khursheed (Department of Mechanical Engineering).

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**54- IIRS ISRO Outreach Programme on
“RS & GIS Applications”
(Human Resource Development Center, Integral University, Lucknow)
29th October to 22nd November, 2019**

Human Resource Development Centre (HRDC), Integral University Lucknow is one of the Remote Center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India. Human Resource Development Centre, Integral University, Lucknow had successfully organized the 54- IIRS ISRO Outreach Programme on “RS & GIS Applications” from October 29–November 22, 2019 for working professionals and students in association with Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Govt. of India, Dehradun.

Indian Institute of Remote Sensing (IIRS) a constituent unit of under Indian Space Research Organization (ISRO) is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geo Informatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia.

Following very informative topics were covered during the outreach program by various subject experts.

Date_Topic	Resource Person	Date	Link
01 Nov 2019_RS and GIS for Coastal Zone Management	Dr. D. Mitra	11/01/2019	download
04 Nov 2019_Engineering Geology with emphasis on landslide studies	Dr. Shovan Chatteraj	11/04/2019	download
05 Nov 2019_Lecture on Geology and Geomorphology	Dr. R. S. Chatterjee	11/05/2019	download
07 Nov 2019_Space-enabled Products and Services for Disaster Management	Dr. P. K. Champati Ray	11/07/2019	download
08 Nov 2019_RS and GIS Application in Urban and Regional Planning	Shri. Pramod Kumar	11/08/2019	download
13 Nov 2019_Remote Sensing Application to Atmospheric and Marine Environment by Dr. A.K Mishra	A. K Mishra	11/13/2019	download
14 Nov 2019_RS and GIS Applications in Forestry and Ecology	Dr. HitendraPadalia	11/14/2019	download

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

18 Nov 2019_RS & GIS Applications to Water Resources Management	Dr. Praveen Kumar Thakur	11/18/2019	download
19 Nov 2019_Geospatial Technology for climate change studies	Dr. Arijit Roy	11/19/2019	download

Overall sixty seven participants including faculty and students participated in the program. It was very information program and well appreciated by participants.

Institute, Coordinator and Participant Certificate by ISRO:

 सत्यमेव जयते	<p>भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA</p>	
<p>बहिः परिसर संकेत/ विस्तार कार्यक्रम प्रमाण पत्र OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME</p>		COR546422020
<p>संस्थान की सहभागिता का प्रमाण पत्र CERTIFICATE OF PARTICIPATION OF INSTITUTE</p>		
<p>यह प्रमाणित किया जाता है कि इंटेग्रल यूनिवर्सिटी, लखनऊ ने भारतीय सुदूर संवेदन संस्थान, इसरो देहारादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम रिमोट सेंसिंग और जीआईएस एप्लीकेशन में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 29 अक्टूबर, 2019 से 22 नवंबर, 2019 तक किया गया।</p>		
<p>This is to certify that INTEGRAL UNIVERSITY,LUCKNOW, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on RS & GIS Applications. This online programme was conducted during October 29, 2019 to November 22, 2019</p>		
<p>दिनांक/ Date: 27-02-2020 देहारादून/ Dehradun</p>	<p> प्रमुख, विधिवेब सलिसिध, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग Head, Geoweb Services, IT & Distance Learning Department, IIRS</p>	<p> समूह प्रमुख, भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह Group Head, Geospatial Technologies & Outreach Programme Group, IIRS</p>

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**57- IIRS ISRO Outreach Programme on
“Geo-processing and Visualization on Web Platform”
(Human Resource Development Center, Integral University, Lucknow)
27th January to 7th February, 2020**

Human Resource Development Centre (HRDC), Integral University Lucknow is one of the Remote Center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India. Human Resource Development Centre, Integral University, Lucknow had successfully organized the 57- IIRS ISRO Outreach Programme on “**Geo-processing and Visualization on Web Platform**” on 27 January– 07 February, 2020 for working professionals and students in association with Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Govt. of India, Dehradun.

Indian Institute of Remote Sensing (IIRS) a constituent unit of under Indian Space Research Organization (ISRO) is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geo Informatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia.

The technical sessions constituted of a wide variety of topics taken by a team of expert’s viz.:

- Overview of GIS and different geospatial data types
- Overview to Python programming using
- Introduction anaconda and Jupyter notebook
- Raster data processing, resampling, and analysis
- Vector data processing and analysis
- Geo-spatial data visualization on web
- Familiarization to various open-source geospatial data processing libraries e.g. GDAL, Geopandas etc

Overall, **Thirty Four Participants** attended the program and got benefitted. The program was well appreciated by faculty members and students.



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Institute, Coordinator and Participant Certificate by ISRO:

 <p>सत्यमेव जयते</p>	<p>भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA</p>	
	<p>बहिः परिसर तंत्रक/ विस्तार कार्यक्रम प्रमाण पत्र OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME</p>	<p>COR576422020</p>
	<p>संस्थान की सहभागिता का प्रमाण पत्र CERTIFICATE OF PARTICIPATION OF INSTITUTE</p>	
<p>यह प्रमाणित किया जाता है कि इंटेग्रल यूनिवर्सिटी, लखनऊ ने भारतीय सुदूर संवेदन संस्थान, इसरो देहारादन द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम वेब प्लेटफॉर्म पर भू-प्रसंस्करण और विजुअलाइजेशन में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 27 जनवरी, 2020 से 07 फरवरी, 2020 तक किया गया।</p>		
<p>This is to certify that INTEGRAL UNIVERSITY,LUCKNOW, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on Geo-processing and Visualization on Web Platform. This online programme was conducted during January 27, 2020 to February 07, 2020</p>		
<p>दिनांक/ Date: 06-07-2020 देहरादून/ Dehradun</p>	<p> प्रमुख, नियोक्ता सविसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग Head, Geoweb Services, IT & Distance Learning Department, IIRS</p>	<p> समूह प्रमुख, भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह Group Head, Geospatial Technologies & Outreach Programme Group, IIRS</p>

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One Week Short Term Course on
"Affordable Housing in Disaster Prone Areas (ICT-78)"
(HRDC, Integral University, Lucknow, a Remote Centre of NITTTR,
Chandigarh)
2nd March to 6th March, 2020**

Human Resource Development Centre (HRDC), is one of the Remote Centre of Ministry of Human Resource Development, Government of India's National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh. Being a Remote Centre, a five day Short Term Course (STC) through Information and Communication Technology (ICT) on "Affordable Housing in Disaster Prone Areas (ICT-78)" was organized at HRDC, Integral University held from 2nd March – 6th March, 2020.

The technical sessions constituted of a wide variety of topics taken by a team of experts viz.:

- Overview of Disasters and Its Mitigation by Dr. Amit Goyal, professor , NITTTR, Chandigarh
- Construction Practices in Disaster Prone Areas- Issues and Challenges by Dr. Hemant Vinayak, professor, NITTTR, Chandigarh
- Bio-mimicry- A new thought of research by Dr. Amit Goyal, professor , NITTTR, Chandigarh
- Green and Sustainable Construction Practices by Er. Himmi Gupta, professor , NITTTR, Chandigarh
- Building Foundations on Difficult Soils by Dr S. Ganesh kumar , CBRI
- Use of Solar Technologies in affordable houses by Dr Poonam Syal, NITTTR, Chandigarh
- Bamboo Construction Practices in Disaster Prone Areas by Dr Rakesh Bhandari, FRI, Dehradun
- Application of Rebar coupler in RCC members by Dr. Siva Chidambaram, CBRI, Roorkee
- Interlinked Block Masonry Construction-An affordable Housing Technique by Dr. Amit Goyal
- Modern Practices in Mud Construction by Ar. Savneet Kaur, Director ,Imarat Foundation
- Landslide & Protection Measures by Dr S. Sarkar, CBRI
- Fire and its Safety in Buildings by Dr Suvir Singh, CBRI
- USGBC LEED rating on greener, sustainable cities by Ar Ashu, GRIHA, Delhi

Overall nineteen participants benefited from this STC. The program was very well coordinated by Ms. Sheeba Praveen & Ms. Nida Khan (Department of Computer Science & Engineering).

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**IIRS ISRO Outreach Programme on
“9011- IIRS ISRO Special Course on Remote Sensing, GIS and GNSS
Technology”
(Human Resource Development Center, Integral University, Lucknow)
13th April to 25th April, 2020**

Human Resource Development Centre (HRDC), Integral University Lucknow is one of the Remote Center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India. HRDC has successfully organized the 9011- IIRS ISRO Outreach Programme “**Special Course on Remote Sensing, GIS and GNSS Technology**” from April 13, 2020 to April 25, 2020 for working professionals and students in association with Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Govt. of India, Dehradun.

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organization (ISRO) is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geo Informatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo- interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia.

Prime focus of 9011- IIRS ISRO Outreach Programme was Basic Principles of Remote Sensing, Earth Observation Sensors and Platforms, Spectral Signatures of Different Land Cover Features & Visual Image Interpretation, Digital Image Processing - Basic concepts, Demonstration of QGIS, Concept of Online GIS –An Introduction to Geoweb Services and Geo-web portals and disaster management.

The technical sessions constituted of a wide variety of topics taken by a team of expert’s as mentioned below:

S.N.	Date	Topic	Resource Person	Link of material
1.	13 April 2020_Session1	Basic Principles of Remote Sensing	Dr. Manu Mehta	https://drive.google.com/file/d/1wpC2ynWv_aFng3ETDx5RUTihDTf4VT_RMM/view
2.	13 April 2020_Session 2	Earth Observation Sensors and Platforms	Shri Vinay Kuamr	https://drive.google.com/file/d/180RcqcZPJ_yodUaWir8FZpWqpNGXrAtsq/view

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

3.	14 April 2020_Session 1	Spectral Signatures Of Different Land Cover Features & Visual Image Interpretation	Dr. Hina Pande	https://drive.google.com/file/d/1FRozxwasENPQ4aTh0alVupj7squDU4v8/view
4.	14 April 2020_Session 2	Digital Image Processsing - Basic concepts	Mrs Minikashi Kumar	https://drive.google.com/file/d/1RGxDs1bYoMF9aO0DX68ATW3zskH7RwO8/view
5.	15 April 2020_Session1	Digital Image Enhancement	Mrs Minikashi Kumar	https://drive.google.com/file/d/1ScU8pwCBcq5wNyuvuC8rJloffv1NArMh/view
6.	15 April 2020_Session 2	Digital Image Classification	Dr. Poonam S Tiwari	https://drive.google.com/file/d/14v31MBDs_nJe0F0FB0M3N9S9aBOce8giM/view
7.	16 April 2020_Session1	Classification Accuracy Assesment and Change detection	Dr. Poonam S Tiwari	https://drive.google.com/file/d/1iQ2SIa9kHA3Dw6BQUTIT5z0xYrt10nu-/view
8.	20 April 2020	Mobile GIS – An overview	Dr. Harish C. Karnatak	https://drive.google.com/file/d/1t7_axOCX1Nf6tbba1kXrSrDIDf5jcHOB/view
9.	21 April 2020_Session1	Data Inputting Editing	Shri. Shiva Reddy	https://drive.google.com/file/d/1VRLwB2BEaQYJ3aQtyULA32Q4Xd8FsZdw/view
10.	21 April 2020_ Session2	Geographic Phenomena - Concepts and Examples	Prasun Kumar Gupta	https://drive.google.com/file/d/1v16dDJcigDe8NJ7fa2sfL4poxzoqmP1o/view
11.	23 April 2020_Session1	Spatial Analysis – Introductory Concept and Overview	Shri. Prabhakar Alok Verma	https://drive.google.com/file/u/1/d/1yU3mNBWwnWBve2gs5FfMDjwAh2yyPeF-/view

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

12.	23 April 2020_ Session2	Spatial Analysis- Functionality and Tools	Shri. Kapil Oberai	https://drive.google.com/file/d/1odPqsS-1918TMK_2GR31bUJGvR7daKyb/view
13.	24 April 2020_ Session1	Data Quality & Policies OGC, NSDI &GSDI Initiatives	Dr. Harish C. Karnatak	https://drive.google.com/file/d/1nF71NqmP_3-iQKcyFrf6YBjjJVEbk8ype/view
14.	24 April 2020_ Session2	Demonstration of QGIS	Shri. Prasun Kumar Gupta	https://drive.google.com/file/d/1JICBtgqd-d3YK5CF2wFCrsgMEPOYC4y/view
15.	25 April 2020	Concept of Online GIS –An Introduction to Geoweb Services	Dr. Harish C. Karnatak	https://drive.google.com/file/u/1/d/1_3QqSVMFjWU8i8yACmkaB11bFDNP7tY-/view

Overall **Forty eight participants** from University attended the program and got benefited from the much needed and timely insights on Basic Principles of Remote Sensing, Digital Image Processing - Basic concepts and Mobile GIS – An overview.

Participants are evaluated on the basis of an online examination of 1 hour during a fixed time slot on June 4, 2020 with a minimum passing criterion of 40% for certification by ISRO.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**Short Term Course (STC) on
“Outbreak of COVID19 pandemic”
11th May to 26th June, 2020**

The outbreak of COVID19 pandemic throughout the globe has caused extreme distress to the students/faculty members and is a setback to academic activities. In this moment of crisis, Ministry of Human Resource Development, Government of India’s National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh have endeavored to leverage digital access for continuation of the academic activities by online mechanisms. **Human Resource Development Centre (HRDC)**, Integral University, being one of the Remote Centre of Ministry of Human Resource Development, Government of India’s National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh has taken this outbreak as an opportunity to create an online platform for the faculty members to enhance their knowledge while staying safe at their homes. During this COVID-19 outbreak, NITTTR Chandigarh has imparted training online through various digital mode like Google Meet/Google Classroom/CISCO WebEx etc. HRDC, Integral University had communicated the information on 7th May 2020, regarding courses offered by NITTTR Chandigarh. Participant were registered through the website <http://14.139.60.236/stconline1/index.php> by paying Rs. 100/- for the current financial year. The technical sessions constituted of a wide variety of topics taken by a team of expert’s as mentioned below:

Department	Date	Name of Courses	Resource Person	ICTO NO.
CDC	11th May to 15th May 2020	Research Oriented project Work	Dr. rajesh Mehra I	ICTO-34
CSE	11th May to 15th May 2020	Data science Using R	Shano Solanki	ICTO-35
CSE	11th May to 15th May 2020	Big Data Analytics	Dr. Mala Kalra and Shano Solanki	ICTO-36
ME	11th May to 15th May 2020	Waste Management	Prof Rupinder Sing and S SDhami	ICTO 29

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Department	Date	Name of Courses	Resource Person	ICTO NO.
Applied Science	11th May to 15th May 2020	Nano material's and Devices	Dr. ashok Kumar & Dr. Pankaj Sharma	ICTO-38
Applied Science	15th May 2020	Quantum and Energy Materials: Potential & Applications	Dr. Pankaj Sharma & Dr. Ashok Kumar	ICTO-45
CSE	18th May to 22nd May 2020	Data Analytics using Python	Er. Amit Degar	ICTO-39
CSE	18th May to 22nd May 2020	Big Data Analytics	Dr. Mala Kalra and Shano Solanki	ICTO-36
ME	18th May to 22nd May 2020	Modeling and Simulation using MATLAB	DR. S SDhami	ICTO-40
EMGT	18th May to 22nd May 2020	Communication and Presentation Skills	Prof. P K singh	ICTO-41
CSE	18th May to 22nd May 2020	Open Source Cyber Security tools	Dr. Maitreyee Dutta and Mrabh Kaushalr. Sa	ICTO-43
ECE	18th May to 22nd May 2020	Technological Interventions using Wireless Communication	Dr. B S Dhaliwal/Mrs. Garima Saini	ICTO-53
EE	18th May to 22nd May 2020	Leadership and Team Work for performance Excellence	Dr. Piyush Verma	ICTO-50
Rural Development Deptt	18th May to 22nd May 2020	Environment and Sustainable Development	Dr. Poonam Syal	ICTO 44

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Department	Date	Name of Courses	Resource Person	ICTO NO.
Rural Development Deptt	18th May to 22nd May 2020	Role of Teachers and Educational Institutes in Unnat Bharat Abhiyan (UBA)		ICTO-59
EMGT	25th May to 29th May 2020	Evaluation & setting of question papers	Dr. Sunil Dutt and Amandeep Kaur	ICTO-46
Applied Science	25th May to 29th May 2020	Nano material's and Devices	Dr. Ashok Kumar	ICTO-49
Civil Engg	25th May to 29th May 2020	Smart Sustainable Cities	Dr. Himmi Gupta	ICTO-60
ECE	25th May to 29th May 2020	Research Trends in VLSI Design	Dr. S S Gill, Dr. Balwinder Raj	ICTO-54
CSE	16 June 20	Application of IoT	Dr. K. G. Srinivasa Dr. Padmalaya Nayak, GRIET 0	ICTO-86
CSE	22nd June to 26th June 2020	Data Analytics with Python	Er. Amit Degar	ICTO-91

Overall 28 participants got benefited from Integral University and more than 10,000 participants across the globe participated and benefited. Participants are evaluated on the basis of online examination/Assignments for certification by NITTTR Chandigarh. Certificates have been issued online. The online STC was very well coordinated and managed by Ms. Sheeba Praveen.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**59- IIRS ISRO Outreach Programme on
“Overview of Planetary Geosciences with special emphasis to the Moon and
Mars”**

(Human Resource Development Center, Integral University, Lucknow)

8th June to 12th June, 2020

Human Resource Development Centre (HRDC), Integral University Lucknow is one of the Remote Center of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organization (ISRO), Department of Space, Govt. of India, Dehradun, India. Human Resource Development Centre, Integral University, Lucknow had successfully organized the 59, 1 Week Outreach Programme on **“Overview of Planetary Geosciences with special emphasis to the Moon and Mars”** from June 8-12, 2020 for working professionals and students in association with Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Govt. of India, Dehradun.

Indian Institute of Remote Sensing (IIRS) a constituent unit of under Indian Space Research Organization (ISRO) is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geo Informatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia.

Following technical sessions of a wide variety of topics were taken by a team of expert’s viz.:

S. No.	Date	Topic	Resource Person	Link of material
1.	08 June 2020	Planetary Geoscience: Issues and Challenges	Dr. Prakash Chauhan, Director IIRS (ISRO)	https://eclasscms.iirs.gov.in/past_course#
2.	09 June 2020	Geology of the Moon	Dr. S. L. Chatteraj	https://eclasscms.iirs.gov.in/past_course#
3.	10 June 2020	Remote Sensing of the Moon: Techniques and Findings	Dr. P. K. Champati Ray	https://eclasscms.iirs.gov.in/past_course#
4.	11 June 2020	Geology of Mars	Dr. Mamta Chauhan	https://eclasscms.iirs.gov.in/past_course#

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

5.	12 June 2020	Microwave remote sensing with emphasis on Indian Moon Missions	Dr. R.S. Chatterjee	https://eclasscms.iirs.gov.in/past_course#
6.	12 June 2020	Remote Sensing of Mars	Dr. Mamta Chauhan	https://eclasscms.iirs.gov.in/past_course#

Overall, **Twelve Participants** attended the program and got benefitted from the much needed and timely insights on Satellite based Navigation. The participants appreciated program and shown desire to attend such other program.

Institute, Coordinator and Participant Certificate by ISRO:

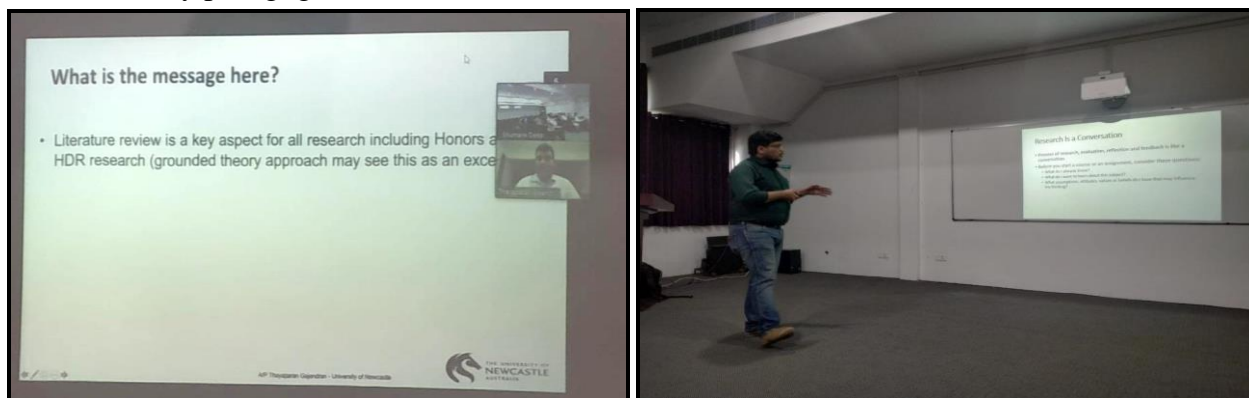
 सत्यमेव जयते	भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA	 इसरो ISRO
बहिः परिसर संपर्क/ विस्तार कार्यक्रम प्रमाण पत्र OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME		COR596422020
संस्थान की सहभागिता का प्रमाण पत्र CERTIFICATE OF PARTICIPATION OF INSTITUTE		
<p>यह प्रमाणित किया जाता है कि इंटेग्रल यूनिवर्सिटी, लखनऊ ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम ग्रहीय भूविज्ञान का अवलोकन : विशेषतः चन्द्रमा और मंगल ग्रह के सन्दर्भ में में भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 08 जून, 2020 से 12 जून, 2020 तक किया गया।</p>		
<p>This is to certify that INTEGRAL UNIVERSITY,LUCKNOW, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehradun on Overview of Planetary Geosciences with special emphasis to the Moon and Mars. This online programme was conducted during June 08, 2020 to June 12, 2020</p>		
दिनांक/ Date: 29-07-2020 देहरादून/ Dehradun	 प्रमुख, जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग Head, Geoweb Services, IT & Distance Learning Department, IIRS	 समूह प्रमुख, भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह Group Head, Geospatial Technologies & Outreach Programme Group, IIRS

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**Expert Lecture on
“Research Writing”
02nd March, 2020**

Human Resource Development Centre (HRDC), Integral University Lucknow in collaboration with the **School of Architecture and Built Environment, University of Newcastle, Australia** successfully coordinated an expert lecture on **“Research Writing”** to discern the primary objective of an academic research paper writing and ways to get started with the writing process.

This event was held online on Monday 02nd March 2020, at 11:00 am using the Google Meet Platform wherein faculty members of the Integral University participated. Mr. Shumank Srivastava, Assistant Professor, Department of Civil Engineering, Integral University (on study leave) who is also a research scholar in University of New Castle, Australia hosted the event. Prof. Syed Aqeel Ahmad, Director HRDC & Head of the Department of Civil Engineering, Integral University welcomed the guest speaker **Dr. Thayaparan Gajendran** with his brief introduction. The speaker **Dr. Thayaparan Gajendran**, who is the Research Director, School of Architecture and Built Environment, University of Newcastle, Australia commenced the expert lecture with a very engaging and fascinating presentation conveying the consequences of research writing skills in academics and the professional field. All the faculty members found this event very pedagogic.



The beginning part of the expert lecture threw light on how to conduct the research, collect data, organize data, analyse and reflect the same in an individual’s comfortable form of expression. It briefly instigated the types of research writing like research paper, report writing, book writing, article writing, etc. and also hands out the draft structure of each form of writing. The expert also shared certain tips on writing research. He suggested the ways in which authentic sources should be given credits and how citations within the text should be included. The expert lecture concluded with the general remarks on research writing skills and certain recommendations to

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

improvise the same. Faculty members discussed in details about various aspect of research writing with Dr. Thayaparan Gajendran. This session definitely proved quite enlightening for the faculty members. At the end a University members was given to Dr. Thayaparan Gajendran, which was received by Mr. Shumank on his behalf.



Glimpses of Expert Lecture on “**Research Writing**”

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

FDP on

“Courseware Creation using Moodle for Outcome Based Education”

08th July to 05th September, 2019

The Department of ECE under the aegis of Human Resource Development Centre (HRDC), Integral University, had successfully organized first MooC FDP on “**Courseware Creation using Moodle for Outcome Based Education**”. The 8-week online MooC (equivalent to three week full time FDP) FDP was organized from July 8, 2019 to September 05, 2019 (extended up to September 22, 2019) for Faculties of Higher education institutes. The FDP was self paced, and required approximately 10-16 hours of active engagement per week.

FDP covered courseware creation for online learning pedagogy along with active learning strategies which can be used on institutional LMS, while incorporating OBE components (key components in quality assessments of NAAC/ NBA) in it. Platform used for courseware creation was Gnomio: a free cloud based Moodle platform having anywhere any time access with unlimited users, and number of plug-ins which allows customization as per requirement.

FDP comprised of two modules: Module A (first 5 weeks) which covered “Courseware Creation in Moodle” while Module B (last 3 weeks) covered incorporation of Outcome based Education in Courseware: Blooms taxonomy (BT), CO-PO, CO-PO-BT mapping of questions and CO-PO attainment.

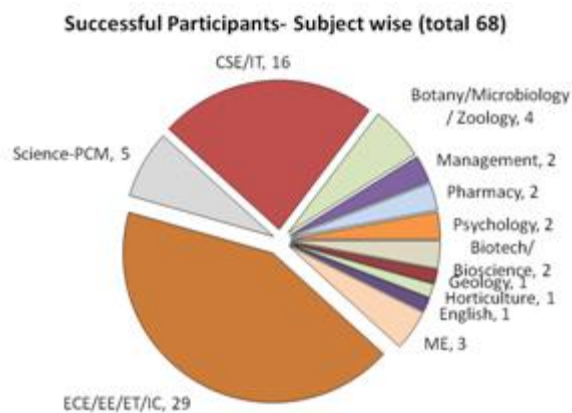
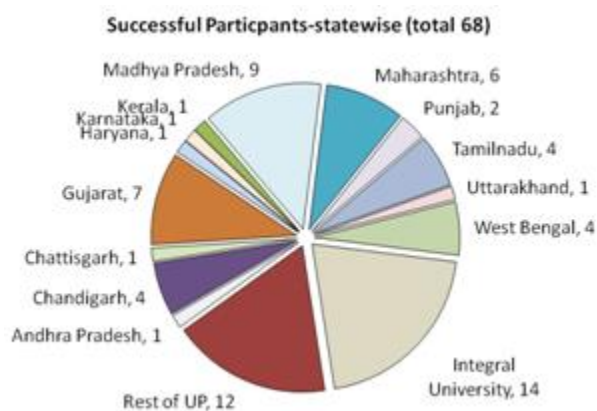
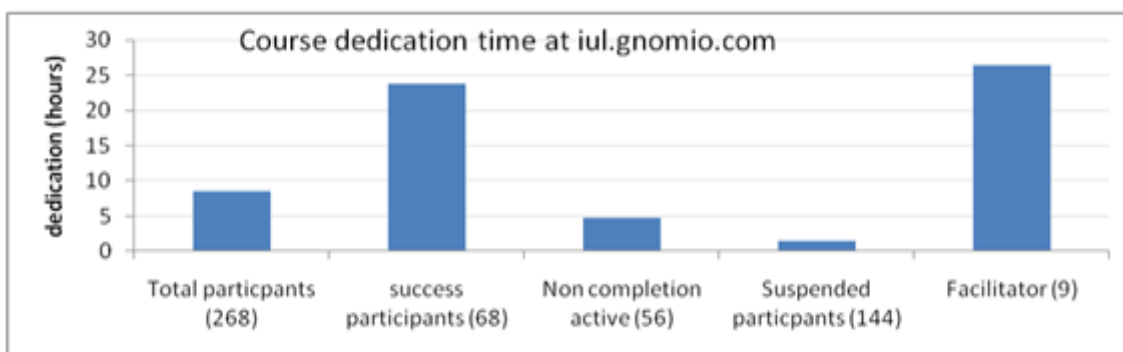
Highlights of FDP

Platform: Integral University online LMS <https://iul.gnomio.com/course/view.php?id=3>

- 267 participants from 94 cities of 22 states of India and one from UAE and one from Nepal has registered for the FDP
- 43 faculty of Integral University has registered for FDP out of which 14 has successfully completed
- Overall 68 Participants belonging to 40 colleges/ universities across 35 cities of 14 states completed the FDP successfully

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Registered Participants	: 267
Suspended for Inactivity (More than 6 weeks)	: 144
Participants successfully got Certificate	: 68
Participants certified -8 weeks certificate	: 62
Participants certified -5 weeks certificate	: 6
Hardcopy certificate issued with Fee of Rs 300/ (8 weeks/ 5 weeks)	: 45
List of successful participants and copy of hardcopy certificate available on https://eciul.wordpress.com/fdp-obc/	

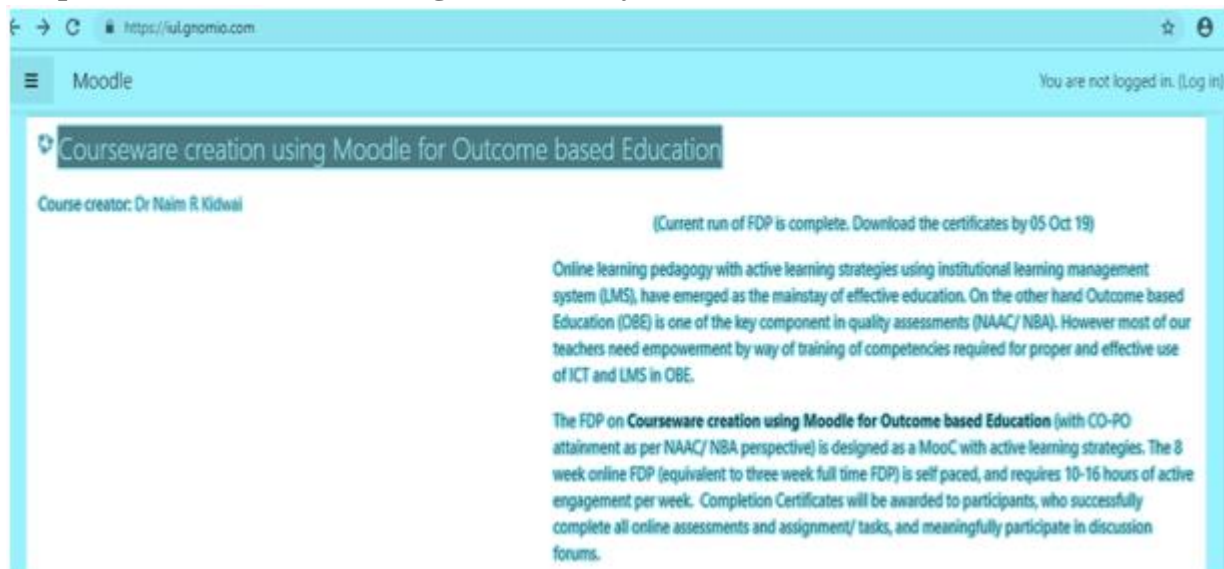


HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Resource Persons/ Facilitators

<i>Name</i>	<i>College/ University</i>	<i>Role</i>
Dr Naim R Kidwai	Integral University	Course Creator, Facilitator, Resource Person
Dr S Hasan Saeed	Integral University	Facilitator, Resource Person
Dr Anup K Sirbaiya	Integral University	Facilitator, Resource Person
Mr Ranjan Kumar	Integral University	Facilitator, Resource Person
Dr S P Singh	City College of Pharmacy, Barabanki	Facilitator, Resource Person
Dr A K Mishra	JIT, Barabanki	Facilitator, Resource Person
Mr Abhimanyu Mishra	JIT, Barabanki	Facilitator, Resource Person
Dr M K Mishra	S V Polytechnic, Bhopal	Facilitator, Resource Person
Mr Pankaj Gupta	SMSIT, Lucknow	Facilitator, Resource Person
Dr Monauwer Alam	Integral University	Resource Person
Dr Imranullah Khan	Integral University	Resource Person
Dr Shailendra Kumar	Integral University	Resource Person

Snapshot of FDP course at Integral University online LMS



https://iulgnomip.com

Moodle You are not logged in. (Log in)

Courseware creation using Moodle for Outcome based Education

Course creator: Dr Naim R Kidwai

(Current run of FDP is complete. Download the certificates by 05 Oct 19)

Online learning pedagogy with active learning strategies using institutional learning management system (LMS), have emerged as the mainstay of effective education. On the other hand Outcome based Education (OBE) is one of the key component in quality assessments (NAAC/ NBA). However most of our teachers need empowerment by way of training of competencies required for proper and effective use of ICT and LMS in OBE.

The FDP on **Courseware creation using Moodle for Outcome based Education** (with CO-PO attainment as per NAAC/ NBA perspective) is designed as a Mooc with active learning strategies. The 8 week online FDP (equivalent to three week full time FDP) is self paced, and requires 10-16 hours of active engagement per week. Completion Certificates will be awarded to participants, who successfully complete all online assessments and assignment/ tasks, and meaningfully participate in discussion forums.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**FDP on
“Advances in Control and Its Application in Green Energy Technology”
27th September to 1st October, 2019**

Department of Electrical Engineering Integral University Lucknow organized a faculty development program (FDP) on “Advances in Control and Its Application in Green Energy Technology” in collaboration with NIT Patna under the aegis of Electronics & ICT Academy, Government of India & HRDC, Integral University.

The FDP was conducted from 27th Sep to 01st Oct 2019, a five day program which covered the key aspects of control system & its application in green energy technology. Internationally acclaimed eminent faculty members from premier institutions like IIT Ropar, IIT Patna, NIT Patna, AMU Aligarh conducted interactive lectures. At the end of each day, there were couple of hand-on session also. There were 42 participants from all over the country who were faculties, research scholar and PG students.

Inaugural Session

The FDP session on day one started with a warm inaugural address by Dr. M. Alam (Head of Department, Electrical Engineering) who remarked upon impetus and motive of the event and warmly introduced esteemed Chief Guests for the occasion Prof Imtiaz Ashraf (Head EED AMU) and welcomed President of the event Prof.Aqil Ahmad and Guest of Honor Dr. N.R.Kidwai

Keynote lectures and Hands on Session

The participants were exposed to the latest topics like Model free control of converters, Challenges and trends in electric vehicle application, Design and control of drives for electric vehicle, Maximum power point tacking of solar cell and many more latest topics. There were also hands-on sessions of simulating its example model on MATLAB software. This certainly made the session a lot more helpful and skill-enhancing. There was also a solar gallery visit at our campus which the participant’s found very helpful and interesting. Our experts were Prof Imtiaz Ashraf (Chairman AMU), Dr. Ahmed Ali (Head EED IIT Patna), Dr. Ravi Teja (IIT Ropar), Dr. Saifullah Payami (IIT Ropar), Dr. Vimlesh Verma (NIT Patna), Dr. Nishat Anwar (NIT Patna), Prof M.A. Mallick (Integral University)

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



Valedictory Session

The closing ceremony started by a warm welcome of the chief guest Prof. T. Usmani (Director Solar, Integral University) and the guests of honor Dr. Haris Siddiqui (Director IAST, Integral University)

Few participants also shared their memorable experience and gave a positive feedback regarding the entire FDP session.

Lastly, Dr. Mohammed Asim(Coordinator FDP, Integral University) concluded the program by giving the vote of thanks to all the people whose contribution have made this FDP a successful one.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One Week Faculty Development Program on
“R Programming”
(Human Resource Development Center, Integral University, Lucknow)
11th May to 15th May, 2020**

The outbreak of COVID19 pandemic throughout the globe has caused extreme distress to the students/faculty members and is a setback to academic activities. In this moment of crisis, UGC, AICTE and MHRD have endeavored to leverage digital access for continuation of the academic activities by online mechanisms. **Human Resource Development Centre (HRDC)** and Department of Computer Application, Integral University has taken this outbreak as an opportunity to create an online platform for the faculty members to enhance their knowledge while staying safe at their homes. A One week online Faculty Development Programme on “**R Programming**”, in association with **Spoken Tutorial, IIT Bombay**, Mumbai, was organized from 11th May to 15th May 2020 during this COVID-19 outbreak.

Spoken Tutorial is an initiative of IIT Bombay under Pandit Madan Mohan Malviya National Mission on Education through ICT by the Ministry of Human Resource Development, Government of India to promote IT literacy through Open Source Software. The FDP was self paced, and required approximately 4-6 hours of active engagement per day. **R** is an open source software - a well-organized and sophisticated package - that facilitates data analysis, modeling, inferential testing and forecasting. It is user friendly software which allows creating new function commands to solve statistical problems. It runs on a variety of UNIX platforms (and similar systems such as LINUX), Windows and Mac OS. The participants learned the basics of R Language and its implementation in data analysis and forecasting.

Key Highlights of FDP

- Total **262 participants** across the globe participated and benefited.
- Faculty members from academic institutions of **Iran, Afghanistan, Nigeria, Oman, Dubai and Saudi Arabia** registered themselves for the FDP and got benefitted.
- From India, participants from various reputed academic institutions like **Aligarh Muslim University, Integral University, IIIT Ongle, VIT Vellore, University of Mumbai, IIT Roorkee, Deccan School of Pharmacy-Hyderabad, KLG Gogte Institute of Technology Bangalore, University of Allahabad, BBAU-Lucknow, Indira Gandhi National Tribe University-Madhya Pradesh** registered and successfully completed the one week faculty development program.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

This Faculty Development Programme (FDP) fulfilled its prime objective to bring the faculties of different engineering, science and allied subjects onto one platform and to provide hands-on practice sessions on **R**. The online FDP was very well coordinated and managed by Mentor, Dr Mohammad Faisal and Coordinators Dr. Tasneem Ahmed, Mrs. Halima Sadia and Ms Nashra Javed.

Human Resource Development Centre, Integral University is committed to provide a learning platform for active learners during this pandemic and even after. The next FDP is scheduled from 16-20 May 2020 on ‘**Moodle Learning Management System**’ in association with Spoken Tutorial-IIT Bombay.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One Week Faculty Development Programme on
“Moodle : Learning Management System”
16th May to 20th May, 2020**

The crisis is always paired with opportunities. And it's time to appreciate the full potential of technology to ensure continuity of learning by staying safe at home. Open-source digital learning solutions and Learning Management Software are the best platform for increasing the quality of teaching and learning. With the aim of equipping faculty members with required pedagogical skills and knowledge, **Human Resource Development Centre (HRDC)** and **Department of Computer Application**, Integral University organized a One week online Faculty Development Programme on “**Moodle : Learning Management System**”, in association with **Spoken Tutorial, IIT Bombay**, Mumbai, from 16 May - 20 May 2020 during this COVID-19 outbreak.

Spoken Tutorial is an initiative of **IIT Bombay** under **Pandit Madan Mohan Malviya National Mission on Education through ICT** by the Ministry of Human Resource Development, Government of India to promote IT literacy through Open Source Software. The FDP was self paced, and required approximately 4-6 hours of active engagement per day. Moodle is the world's most popular learning management system designed to be modular, and allows teachers to build their curriculum that they can display on their private website. Its highly customizable interface gives teachers or admins more freedom to design their websites according to their brand.

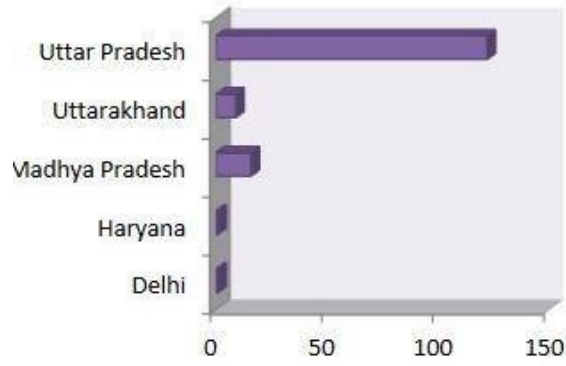
The FDP successfully enlightened the participants and encouraged discussion leading to a better understanding on the development of smart content and virtual content to develop personalized learning.

FDP Spotlights

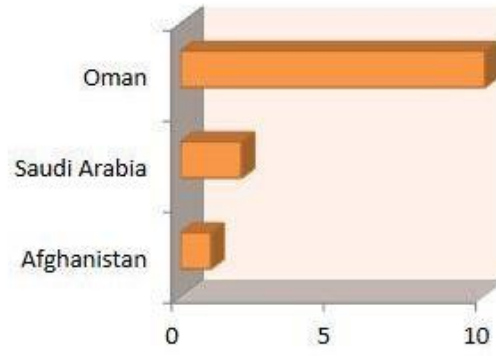
- Total **310 participants** around the globe participated.
- Total number of participants from Integral University : **125**

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

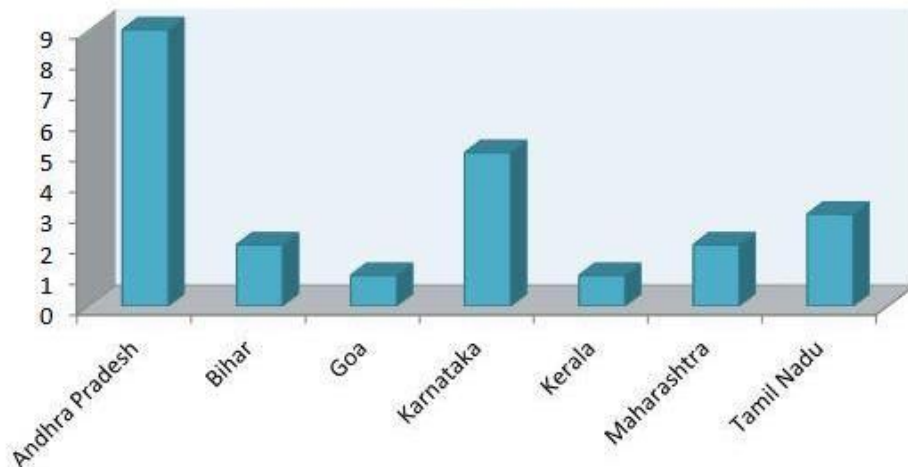
Participants from North India



Participants from other Countries



Participants from other State in India



This Faculty Development Programme (FDP) was skillfully coordinated and managed by Mentor, **Dr. Mohammad Faisal** and Coordinators, **Dr. Tasneem Ahmed, Mrs. Halima Sadia and Mrs. Nashra Javed**. And it has fulfilled its prime objective to bring the faculties of different engineering, science and allied subjects onto one platform to provide hands-on practice sessions on **Moodle (LMS)**.

Human Resource Development Centre, Integral University is committed to provide a learning platform for active learners during this pandemic and even after.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**National Workshop
on
“Anti-Plagiarism in Research”
3rd August, 2019**

A one day National Workshop on “Anti-Plagiarism in Research” was organised at Integral University Lucknow on 3rd August 2019 by Human Resource Development Center (HRDC) in joint collaboration with the Faculty of Education and Intellectual Property Rights Management Cell.

Mr. Vinod Kumar Kanvaria, Assistant Professor, Department of Education, Delhi University was the Resource Person.

The anchoring of the Programme was done by Dr Asma Farooqui, Associate Professor, Department of Commerce and Business Management.

The Programme started with the Welcome speech given by **Dr. A.K. Lodi, Head**, Department of Education, Integral University followed by the enlightening lecture by Mr. Vinod Kumar Kanvaria.

Total 333 Participants attended the workshop 288 Participants were from different colleges and universities of Lucknow and 45 Participants were from universities outside Lucknow like A.M.U, B.H.U, Kanpur University, Bundelkhand University, M.J.P Rohilkhand University, Bhipendra Narayan Mandel University (Bihar) etc.

The Resource Person **Mr. Vinod Kumar Kanvaria** discussed the importance of Academic Writing for Professional Growth. He further explained Plagiarism in Research Writing as academic misconduct or academic fraud. He explained the Gazette prescribed by UGC for keeping a check on Plagiarism. He also explained common misconceptions about Plagiarism, How to avoid Plagiarism, Citation and Referencing, Framework for Research Paper, Plagiarism’s software etc.

After a short tea break, the second phase of workshop started with interactive sessions and hands on experience with the free Plagiarism’s software available on internet.

This was very useful motivating, informative and interactive session where everyone gained a lot of information and enhanced their knowledge.

After the second session **Dean, Education, Prof T. Usmani** thanked the Resource Person **Mr. Vinod Kumar Kanvaria** and as a token of remembrance, a Memento was presented to him by the Dean and Head of the Department of Education followed by Group Photograph.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)





HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One week National Workshop on
“Developing critical thinking using Learning Management Systems
(LMS) and ICT tools”**

5th August to 9th August, 2019

One week National Workshop was organized by Department of Electrical Engineering, Rajkiya Engineering College (REC), Ambedkar Nagar, Uttar Pradesh in association with HRDC, Integral University, Lucknow on ‘Developing critical thinking using Learning Management System (LMS) and ICT tools’ from August 05-09, 2019. Program was funded by MHRD, Govt. of India for Implementation of World Bank Assisted Projects in Technical Education memento under TEQIP-3 scheme. REC Ambedkar Nagar, offered the infrastructure facilities and HRDC, Integral University provided academic support for the programme.

The programme started with Lightening of Lamp on 5th August 2019 during inaugural session.



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Prof. Syed Aqeel Ahmad, Director HRDC, Integral University was given the floral welcome as the chief guest by Dr. A K Mishra, Director, REC Ambedkar Nagar, followed by welcome of Guest of Honour, Dr S.P. Singh, Director, City College of Pharmacy, Barabanki, Dr. Anup K Sirbaiya and Mr. Ranjan Kumar, Faculty of Pharmacy, Integral University. This was followed by welcome address by Dr. A K Mishra. Memento was presented to the dignitaries followed by vote of thanks by Dr. Yudhistir Pandey, coordinator from REC Ambedkar Nagar.

The sessions started with expert lecture by Prof. Syed Aqeel Ahmad, on 'Role of technology in today's education system', followed by 'Different types of LMS available' and 'Different Active learning strategies (15 min talk + hands on)' by Dr. Satya Prakash Singh, 'G Suite as LMS' and 'Hands-on on G-suite' by Dr. Anup Kumar Sirbaiya, 'Smartphone as a tool (15 min talk + hands on)' and 'Website and online portfolio creation (10 min talk + hands on)' and 'Integrating ICT in the flipped classroom scenario' by Mr. Ranjan Kumar.

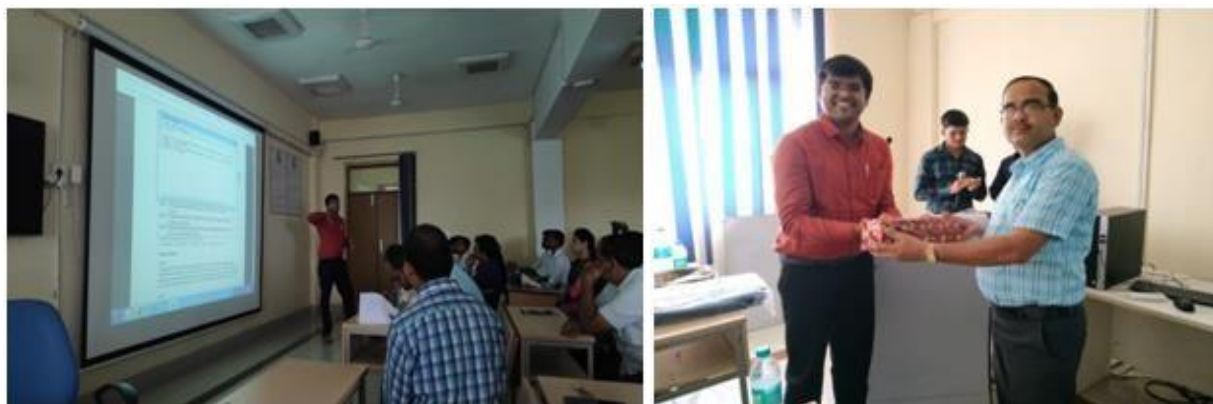


Day two had sessions 'About MOOCs' by Dr. Anup Kumar Sirbaiya, 'Moodle as LMS' by Dr. Satya Prakash Singh and 'Different Features of Moodle' by Mr. Ranjan Kumar. This was followed by Hands-on sessions on moodle course creation in workshop mode, mentored by the three trainers.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

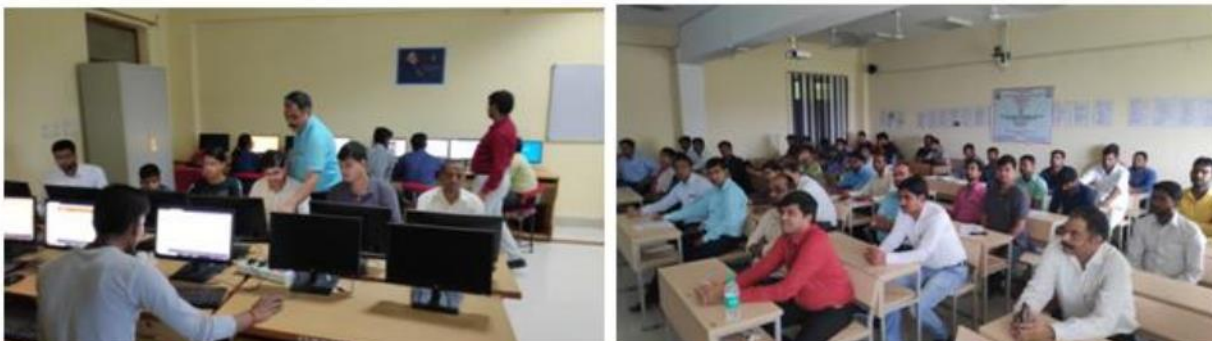


Day three started with welcome of **Dr. Jaykrishnan Madathil Warriem, Senior Scientist, NPTEL, IIT Madras, Chennai**, who delivered expert lectures on ‘Revised Bloom's taxonomy’ ‘TPACK module’ and ‘How NPTEL can be best utilized by Faculty and Students’. Later on, the hands-on sessions on moodle course creation in workshop mode continued till the end of the day, mentored by all the four trainers.



On fourth day, the sessions delivered were ‘How to use available online videos effectively’ and ‘Spoken tutorial creation / video creation of own lectures’ by Ranjan Kumar, ‘Storing content-Repositories’ by Dr Anup K Sirbaiya and ‘Creative commons licensing’ by Dr. S P Singh. Later in the day, hands-on workshop was continued on moodle features.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



Day five started with moodle features on workshop mode, followed by creation of own moodle course by participants which they presented after lunch. There was a session on ‘Enabler and Blockers’ taken by all the three trainers. Day five and the programme ended with valedictory session, in which the chief guest Prof Dr. V.S. Sapkal, Ex Vice Chancellor, Rashtra Sant Tukadoji Maharaj Nagpur University, Nagpur appreciated the efforts put in by TEQIP-3, AKTU, Lucknow, REC Ambedkar Nagar and HRDC Integral University, Lucknow, various resource persons and the participants. Participants shared their feedback with the audience, and after momento presentation, program ended with vote of thanks presented by Dr Arif Iqbal, EED, REC Ambedkar Nagar, convenor of the program.



The workshop was successfully coordinated on behalf of Integral University by Dr. Anup K Sirbaiya and Mr. Ranjan Kumar, Faculty of Pharmacy, under patronage of Prof. Syed Aqeel Ahmad, Director HRDC, Integral University.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**Symposium on
“Segregated Waste Disposal and Management”
Jointly organised by HRDC & Faculty of Pharmacy
07th November, 2019**

A Symposium was organised jointly by HRDC and Faculty of Pharmacy, Integral University on November 7, 2019 on the topic “**Segregated Waste Disposal and Management**”. The Symposium was intended to apprise the audience about one of the important task for handling waste materials, from the time it is formed to its disposal. Managing what we waste in our Institutions can equate to handling lost opportunities and also curtail the hazards that it poses to the environment which surfaces as a huge challenge to health.

Inaugural Session: The symposium started with opening remarks by Prof. S.M. Hasan, Dean, Faculty of Pharmacy, where he welcomed the Guest Speakers and highlighted the importance of Waste management. It was followed by the address by Prof. Syed Aqeel Ahmad, Director, HRDC, I.U., where he laid stress on the measures to be taken in this direction. Followed by his speech, Prof. Abdurrahman Khan, Dean, Faculty of Applied Science, expressed his thoughts over the topic and its relevance in current times. Dr. Tarique Mahmood, Head, Faculty of Pharmacy, was also present in the programme.

Scientific Session : First Speaker of the session, Prof. V.P. Sharma, Principal Scientist, IITR, Lucknow, outlined the importance of the discussion in his talk on “*Waste management with particular relevance to Strategies in modern changing scenario*”. He highlighted the importance of considering the different types of waste and then adopting different strategies for its disposal. He emphasized on the three R’s of waste management i.e. Reduce, Reuse and recycle.

The second speaker of the session Prof. R.P. Singh, Dean, Academic Affairs, BBAU, Lucknow, delivered his address on the topic “*Potentials and challenges of using Microbes and Plants in Waste management*” where he spoke about the the grave situation and then presented an extensive review over utilization of Plants in waste management supported by evidences of his own work in this field.

The programme was concluded with vote of thanks given by the convenors, Dr. Shazia Usmani and Dr. Poonam Kushwaha.

The Faculty of Pharmacy and HRDC, Integral University, strive to implement the suggestions forwarded by the Invited Guest speakers and contribute to the protection of the environment and hence the health of the community.

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One Day Workshop on
“R Programming Language for Teachers”
9th November, 2019**

Human Resource Development Centre (HRDC), Integral University one of the Remote Centre of IIT Bombay organised a one day workshop on **R Programming Language for Teachers** on Nov 9, 2019, for faculty members of Integral University and institutes around the surrounding areas of the University.

The participants were invited for registration on NMEICT website (<https://www.it.iitb.ac.in/nmeict/>) by circulation of messages and notice. The workshop received warm response and was conducted in hybrid mode with synchronous live interaction from experts at IIT Bombay, followed by demonstration and hands on session by workshop coordinator Mr. Ranjan Kumar, who was previously trained by IIT Bombay for the workshop.

The workshop started with welcome of participants by Remote Center Coordinator Dr. Anup K Sirbaiya, followed by live interactive session with experts from IIT Bombay, **Prof. Radhendushka Srivastava, Prof. Kannan M. Moudgalya**, FOSSEE and Spoken Tutorial Teams, IIT Bombay Indian Institute of Technology Bombay. This was followed by post lunch session with hands on workshop where participants learnt about various topics related to R programming and application like Introduction to basics of R, data frames in R, RStudio, R script , Working Directories in RStudio, Indexing and Slicing Data Frames, Creating Matrices using Data Frames, Operations on Matrices and Data Frames, Merging and Importing Data, Data Types and Factors, Lists and its R Operations , Plotting Histograms and Pie Chart , Plotting Bar Charts and Scatter Plot, Introduction to ggplot2, Aesthetic Mapping in ggplot2, Data Manipulation using dplyr Package, More functions in the dplyr Package, Pipe Operator, Conditional Statements, Functions in R etc.

Workshop had total 13 registered participants from within and outside Integral University and institutes around the surrounding areas of the University, of which 9 completed the workshop after passing the required activities and assignments.

To keep the participants actively engaged and post workshop followup, a whatsapp group was created for all the participants and coordinators.

The details of the workshop can be found at:

<https://www.it.iitb.ac.in/nmeict/workshopContent.html?workshopid=Z7PLmVRto9HRdFsg5ld8Rw&category=UubpVTjA3FS-DQx8uW4r1A>

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**One Day Workshop on
C and C++
29th February, 2020**

Human Resource Development Center (HRDC), Integral University one of the Remote Centre of IIT Bombay organised a one day workshop on C and C++ on February 29, 2020, for faculty members of Integral University and institutes around the surrounding areas of the University.

The participants were invited for registration on NMEICT website (<https://www.it.iitb.ac.in/nmeict/>) by circulation of messages and notice. The workshop received warm response and was conducted in hybrid mode with synchronous live interaction from experts at IIT Bombay, followed by demonstration and hands on session by workshop coordinator Ms. Sonali Yadav.

The workshop started with welcome of participants by Remote center Coordinator Dr anup K Sirbaiya, followed by live interactive session with experts from IIT Bombay, **Prof. Bhaskaran Raman, Prof. Kameswari Chebrolu** and **Prof. Varsha Apte**, FOSSEE and Spoken Tutorial Teams, Indian Institute of Technology, Bombay. This was followed by post lunch session with hands on workshop using side-by-side method, where participants learnt about various topics related to C and C++, like First C Program, First C++ Program, Tokens in C and C++, Functions in C and C++, Scope of Variables in C and C++, If And Else If statement in C and C++, Nested if and switch statement in C and C++, Increment and Decrement Operators in C and C++, Arithmetic Operators in C and C++, Relational Operators in C and C++, Logical Operators in C and C++, Loops in C and C++, Arrays in C and C++, Working with 2-D Arrays in C and C++, Strings in C and C++, String Library Functions in C and C++, Working with Structures in C and C++, Understanding Pointers in C and C++, Function call in C and C++ and File Handling in C. Workshop had total 15 registered participants from within and outside Integral University and institutes around the surrounding areas of the University, of which all 15 completed the workshop after passing the required activities and assignments.

To keep the participants actively engaged and post workshop followup, a whatsapp group was created for all the participants and coordinators.

The details pertaining to the workshop can be found at following links:

1. Brochure: https://www.it.iitb.ac.in/nmeict/pdfs/brouchure_800016.pdf
2. Resources: https://spoken-tutorial.org/tutorial/search/?search_foss=C+and+Cpp&search_language=English
3. Coordinators: https://www.it.iitb.ac.in/nmeict/coordinatorList.html?workshopid=c5s7mrn-aY1De-N5FG_6_A&callFrom=2
4. Participants completed: <https://www.it.iitb.ac.in/nmeict/participantList.html?workshopid=c5s7mrn-aY1De->

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

[N5FG_6_A&status=wZFlr-khrFxEMgeJzFwgvg&rcid=wZFlr-khrFxEMgeJzFwgvg&callFrom=2](#)

5. Slides: https://drive.google.com/file/d/13GaFnR5rrdBEsU89Z_J_1mBD1A2kOv8Q/view

6. Videos:

Session 1-

https://www.youtube.com/watch?v=6wtby3xghQ8&list=PL_uaeekrhGzIfWY7FQpAYUk5aPglPOh8k&index=3

Session 2

https://www.youtube.com/watch?v=9z_SsD2hWNo&list=PL_uaeekrhGzIfWY7FQpAYUk5aPglPOh8k&index=4

Session 3:

https://www.youtube.com/watch?v=cCRd26QSs7g&list=PL_uaeekrhGzIfWY7FQpAYUk5aPglPOh8k&index=5

1. Screenshot link:

<https://docs.google.com/spreadsheets/d/1xjqW2kOtlfq1PrxzTw96xdqyQV1nal5PD4qGWbMmkk/edit#gid=0>

2. Feedback form:

<https://www.it.iitb.ac.in/nmeict/viewSurveyFormPreview.html?sid=icmeUoC3RvoXAGL6VrUX9A>

3. Feedback form Summary:

<https://www.it.iitb.ac.in/nmeict/surveyReportCount.html?sid=icmeUoC3RvoXAGL6VrUX9A>

4. <https://docs.google.com/spreadsheets/d/1fom70mhidfcDh65eYn4033DSU4r0b2osNGxCQkKcSWA/edit#gid=2110629669>

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**Webinar on
“COVID-19 Awareness, Preparedness & Myths”
21st May, 2020**

In view of the global pandemic of Covid-19, staying safe from getting infected and curbing the spread of the infection is of utmost importance. Especially in the area of academics, it became quite a sensitive issue that how not to get infected and protect students from the same, while ensuring an effective learning environment wherein in-person attention to students is a must. The burning question is ‘How to do that?’.

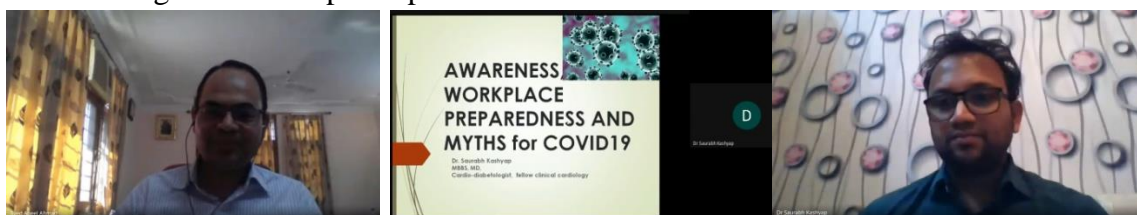
In order to address the question and spread awareness, Human Resource Development Centre (HRDC), Integral University, Lucknow organized a Webinar on “**COVID-19 Awareness, Preparedness & Myths**” on May 21, 2020, at 3:15 PM IST giving special attention to workplace preparedness in post lockdown scenario wherein participants from various departments of Integral University had participated. The webinar was organized using the Google Meet platform hosted by directorhrdc@iul.ac.in (Link: <https://meet.google.com/gff-vgqh-miu>). The learned resource person of the program was Dr Saurabh Kashyap, Associate Professor, Department of Community Medicine, IIMS&R, Integral University, Lucknow.

The program started with a welcome address by Prof. Syed Aqeel Ahmad, Director, HRDC, wherein he clearly stated the need of the hour. Dr Saurabh Kashyap, emphasizes the following topics:

1. Brief awareness about the COVID-19 disease, mode of transmission and its origination.
2. Preparedness of the workplace before the lockdown gets over.
3. Myths related to COVID-19 disease.

A total of 55 Participants joined the program and enthusiastically asked several important questions about the issue under discussion, while replying to one of the questions; Dr Saurabh Kashyap explained the simple procedure of testing the integrity & effectiveness of the face mask. He suggested blowout a candle placed nearby owing out air from the mouth while putting on the mask, if the candle remained lit, the mask may be considered safe for use.

The webinar concluded with a vote of thanks proposed by Mr Zishan Raza Khan, Dy. Director, HRDC to the dignitaries and participants.



Screenshots of the event showing the address by Prof. Syed Aqeel Ahmad and Dr Saurabh Kashyap

HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

**International Webinar on
“Covid-19: Impact on economic growth of India and Ukraineheld”
23rd May, 2020**

Human Resource Development Center (HRDC), Integral University, Lucknow (India) in association with Kherson Branch of the National University of Shipbuilding named after Admiral Makarov and Department of Commerce & Business Management, Integral University organized an international webinar on **“Covid-19: Impact on Economic Growth of India and Ukraine ”** on May 23, 2020.

Around hundred participants from six countries including India, Ukraine, Thailand, Indonesia, Liberia, Vietnam participated in the webinar. These countries were represented by academicians and scholars.

The webinar was started with the welcome by Prof. Syed Aqeel Ahmad, Director, HRDC-Integral University followed by Prof. A.V. Lominisov, Director, Admiral Markarov National University of Shipbuilding, Kherson Branch Ukraine who discussed the challenges faced by Ukraine during COVID-19, and their plans to solve the problem. Thereafter, Dr. Amit Kumar, Assistant Professor, Department of Commerce & Business Management, Integral University delivered a lecture on the webinar topic. Dr. Irina Nadtocii, Deputy Director of educational and methodological and scientific work of Kherson branch of NUK was the moderator of the webinar.

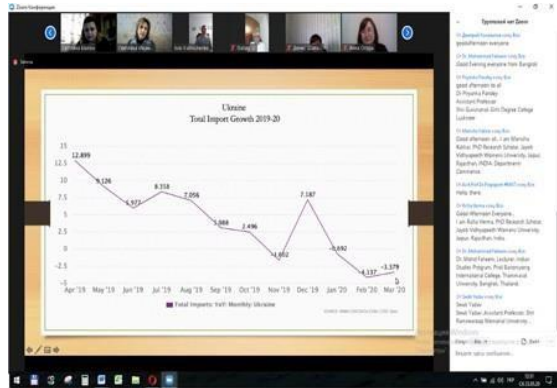
Dr. Amit Kumar in his lecture tried to compare the economic condition of India and Ukraine during COVID-19 pandemic. It affected different areas of society, people's health, external and domestic economic situation of countries, transport, business, education and many others. During his lecture he tried to make the participants aware about the present situation of both the countries and discussed the ways and means to overcome this situation.

This webinar helped in making scientific cooperation of Integral University India with many academicians of NUK Ukraine, Indonesia, Vietnam, Thailand, and Liberia.

YouTube video link: <https://youtu.be/8GLsL9ywJ20>



HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



LIVE
INTERNATIONAL WEBINAR 2020

Organized by
Human Resource Development Center, Integral University,
India, Admiral Makarov National University of Shipbuilding,
Kherson Branch, Ukraine & Department of Commerce &
Business Management, Integral University, India

**Covid 19,
Impact on Economic
Growth of India and
Ukraine**

SATURDAY 23 MAY 2020 - 2:30 PM (IST) / 12 NOON (KIEV TIME)

Dr. Iryna Nadtochiï
Moderator

Dr. Amit K. Goel
Keynote Speaker -1

Prof. Lomonosov Anatoly Vadymovych
Keynote Speaker -2

2019-20

HRDC

Please Contact:

Integral University

Kursi Road, Lucknow-226026 (U.P.) INDIA

directorhrdc@iul.ac.in

Website: <https://iul.ac.in/HRDC/Default.aspx>