

2021-22



# ANNUAL REPORT

HUMAN RESOURCE DEVELOPMENT  
CENTER  
INTEGRAL UNIVERSITY, LUCKNOW

**INTEGRAL UNIVERSITY, LUCKNOW**  
**HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC)**  
**ANNUAL REPORT 2021-22**

S. No.	Program Details	Page No.
1	Live interactive session on <b>Body language</b> on 18 <sup>th</sup> September 2021	5
2	Invited Talk on <b>Personalized Medicine (PM) Genetics &amp; Cancer</b> on 07 <sup>th</sup> October 2021	6-7
3	Guest Lecture on <b>“India-Thailand Relations: An economic Prospective”</b> on 07 <sup>th</sup> May, 2022	8-9
4	Report a Guest lecture on ‘Advanced Nanomaterials for various intensive applications to solve global energy challenges’ 6 <sup>th</sup> July, 2022	10-11
5	Refresher Course on <b>Machine Learning with R (CU21)</b> on 30 <sup>th</sup> May to 10 <sup>th</sup> June, 2022	12-13
6	Induction Training Programme <b>Phase - I (PS13)</b> on 30 <sup>th</sup> May to 10 <sup>th</sup> June, 2022	14-15
7	Report on Two weeks Refresher Course in "Mechanical Engineering (ICT-90)" 4 <sup>th</sup> July to 15 <sup>th</sup> July, 2022	16-18
8	IIRS ISRO Outreach Programme on <b>“Basics of Geographical Information System”</b> on 27 <sup>th</sup> September to 22 <sup>nd</sup> October 2021	19-21
9	IIRS ISRO Outreach Programme on <b>“Hyperspectral and Microwave Remote Sensing Techniques for Geological Studies”</b> on 07 <sup>th</sup> March to 17 <sup>th</sup> March 2022	22-24
10	STC on <b>“Free Software and Resources for Technical Education (ICT-175)”</b> on 21 <sup>st</sup> March to 25 <sup>th</sup> March, 2022	25-28
11	IIRS ISRO Outreach Programme on <b>“New Advanced Geospatial Technologies for Disaster Risk Reduction (DRR)”</b> on 18 <sup>th</sup> to 29 <sup>th</sup> April 2022	29-32
12	Blended Faculty Development Programme on <b>“Next-Gen Computing Technologies”</b> on 10 <sup>th</sup> to 25 <sup>th</sup> November 2021	33-37
13	Professional Development Program on <b>“Laboratory Management System and Internal Audit”</b> as per ISO/IEC:17025-2017 from 21 <sup>st</sup> June to 06 <sup>th</sup> July 2022.	38-40
14	Workshop on <b>"Plagiarism and Code of Conduct"</b> 2 <sup>nd</sup> March & 3 <sup>rd</sup> March, 2022	41-42
15	Seminar on <b>“Structural Reforms in Higher Education Proposed in the NEP 2020”</b> on 24 <sup>th</sup> August 2021	43-45

<b>S. No.</b>	<b>Program Details</b>	<b>Page No.</b>
16	<b>Cyber Security Awareness Month</b> on 30 <sup>th</sup> October 2021	46-48
17	<b>Fulbright</b> Outreach Program on 11 <sup>th</sup> April 2022	49-50
18	Three Days workshop on “ <b>Modern Air Pollution Control Technologies</b> ” on 17 <sup>th</sup> May to 19 <sup>th</sup> May, 2022	51-52

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**ANNUAL REPORT 2021-22**  
**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**  
**INTEGRAL UNIVERSITY, LUCKNOW**



**Director HRDC (Left) along with experts of the United States-India Educational Foundation (USIEF), the Fulbright Commission in India**

To implement the National Education Policy (NEP) – 2020, HRDC strives toward enriching human resource of the Integral University in particular and serving the academic fraternity as a whole.

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.

### HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Later, Academic Staff College is renamed as Human Resource Development Center (HRDC) as per the new terminology introduced by the 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. HRDC integral university also playing a pivotal role in the implementation of National Education Policy 2020 (NEP-2020) by organising various programme to develop understanding among the academic fraternity. **Three** Guest Lecture/Expert Talk, **Two** Refresher Course/Induction Program, **Four** Short Term Course (STC), **One** Faculty Development Program, **Five** Workshop Seminar/Outreach Program were organised/coordinated by HRDC, Integral University, Lucknow in the year 2021-22.

A glimpse of HRDC activities in the year 2021-22 are presented below:

<b>Guest Lecture/Expert Talk</b>			
<b>S.No.</b>	<b>Title</b>	<b>Sponsor/Collaborator</b>	<b>Date</b>
1	Live interactive session on Body language	HRDC, Integral University, Faculty of Pharmacy Integral University in collaboration with Pedatrix Global Solutions, Lucknow	18 <sup>th</sup> September, 2021
2	Personalized Medicine (PM), Genetics & Cancer	HRDC, Integral University, Lucknow	7 <sup>th</sup> October, 2021
3	Guest Lecture on India-Thailand Relations: An economic Prospective	HRDC, Integral University, Lucknow	7 <sup>th</sup> May, 2022
4	Advanced Nanomaterials for various intensive applications to solve global energy challenges	HRDC, Integral University, Lucknow	06 <sup>th</sup> July, 2022
<b>Refresher Course/Induction Program</b>			
<b>S.No.</b>	<b>Title</b>	<b>Sponsor/Collaborator</b>	<b>Date</b>
1	Refresher Course on "Machine Learning with R (CU21)"	HRDC, Integral University, Lucknow, & NITTTR, Kolkata	30 <sup>th</sup> May to 10 <sup>th</sup> June, 2022
2	Induction Training programme Phase - I (PS13)	HRDC, Integral University, Lucknow, & NITTTR, Kolkata	30 <sup>th</sup> May to 10 <sup>th</sup> June, 2022
3	Two weeks Refresher Course in "Mechanical	HRDC, Integral University, Lucknow, a Remote Center of	4 <sup>th</sup> July to 15 <sup>th</sup> July, 2022

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	Engineering (ICT-90)”	NITTTR, Chandigarh	
<b>Short Term Course (STC)</b>			
<b>S.No.</b>	<b>Title</b>	<b>Sponsor/Collaborator</b>	<b>Date</b>
1	Outreach Programme on “Basics of Geographical Information System”	Human Resource Development Center (HRDC), Integral University Lucknow	27 <sup>th</sup> September to 22 <sup>nd</sup> October, 2021
2	Outreach Programme on “Hyperspectral and Microwave Remote Sensing Techniques for Geological Studies”	Human Resource Development Center (HRDC), Integral University Lucknow	7 <sup>th</sup> March to 17 <sup>th</sup> March, 2022
3	STC on “Free Software and Resources for Technical Education (ICT-175)”	HRDC, Integral University, Lucknow, a Remote Center of NITTTR, Chandigarh HRDC Integral University coordinated with NITTTR for the event.	21 <sup>st</sup> March to 25 <sup>th</sup> March, 2022
4	Outreach Programme on “New Advanced Geospatial Technologies for Disaster Risk Reduction (DRR)”	Human Resource Development Center (HRDC), Integral University Lucknow	18 <sup>th</sup> April to 29 <sup>th</sup> April, 2022
<b>Faculty Development Program</b>			
<b>S.No.</b>	<b>Title</b>	<b>Sponsor/Collaborator</b>	<b>Date</b>
1	Faculty Development Program on “Next-Gen Computing Technologies”	Department of Computer Application Under the aegis of Human Resource Development Center (HRDC) Integral University, Lucknow	10 <sup>th</sup> November to 25 <sup>th</sup> November, 2021
2	Professional development program on “Laboratory Management System and Internal Audit” as per ISO/IEC:17025-2017	Department of Civil Engineering, Integral University, Lucknow Under the aegis of Human Resource Development Centre	21 <sup>st</sup> June to 06 <sup>th</sup> July 2022
<b>Workshop Seminar/ Outreach Program</b>			
<b>S.No.</b>	<b>Title</b>	<b>Sponsor/Collaborator</b>	<b>Date</b>
1	Workshop on “Plagiarism and Code of Conduct”	HRDC, Integral University Lucknow	2 <sup>nd</sup> March & 3 <sup>rd</sup> March, 2022
2	Seminar on “Structural Reforms in Higher	HRDC, Integral University Lucknow	24 <sup>th</sup> August, 2021

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	Education Proposed in the NEP 2020”		
3	Cyber Security Awareness Month	Department of Computer Application Under the aegis of Internal Quality Assurance Cell (IQAC) and Human Resource Development Center (HRDC) Integral University, Lucknow	30 <sup>th</sup> October, 2021
4	Fulbright Outreach program	HRDC, Integral University Lucknow & United States-India Educational Foundation (USIEF), the Fulbright Commission in India	11 <sup>th</sup> April, 2022
5	Three Days workshop on “Modern Air Pollution Control Technologies”	HRDC, Integral University Lucknow and University Polytechnic, Integral University, Lucknow	17 <sup>th</sup> May to 19 <sup>th</sup> May, 2022

The HRDC is working in close coordination with various agencies of the Government of India and The States, different universities across the globe, different departments of Integral University and several other entities of national & International Repute. The most highlighted events of the HRDC are, Fulbright Outreach program organised in coordination with **United States-India Educational Foundation (USIEF), the Fulbright Commission in India** and National Seminar on “Structural Reforms in Higher Education Proposed in the NEP 2020” wherein Chief Guest of the seminar was **Dr. Dinesh Sharma Ji Hon’ble Deputy Chief Minister, Govt. of UP**, Special Guest was **Prof. G.C. Tripathi Chairman, UP Higher Education Council, Govt. of UP**. The guest of honor of the seminar was **Mr. Shamim Ahmad Khan, IAS, Secretary, Higher Education Department, Govt. of UP & Mr. Abdul Samad, IAS, Special Secretary, Higher Education, Govt. of UP**.

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**‘Live interactive session on Body language’**

**18<sup>th</sup> September, 2021**

A ‘Live interactive session on Body language’ was organized by ‘Faculty of Pharmacy’ under the aegis of ‘Human Resource Development Centre (HRDC)’, Integral University, Lucknow in collaboration with Pedatrix Global Solutions, Lucknow on **September 18, 2021 at 03:00 PM**.

The session started with introduction of the speaker by moderator **Mr. Ranjan Kumar**, Faculty of Pharmacy, followed by a very interactive session delivered by **Miss Monika Khatwani, Trainer, Pedatrix Global Solutions**, Lucknow. Miss Monika described body language and its basics, the role of body language in various scenarios like interviews, classrooms, group discussions family and sales jobs with pictorial representations and live demonstrations during the session. The session was flooded with questions by students and all the questions were responded well by the speaker. The session was extended by 10 minutes to accommodate all the queries. The event was organized on zoom platform in online mode, was well received by audience and total 279 participants registered for the session. The faculty members and students were appreciative of the capabilities and knowledge of the speaker and expect more such sessions to be organized in the University.

Session concluded with vote of thanks presented by **Dr. Tarique Mahmood**, Head, Faculty of Pharmacy, Integral University, who congratulated speaker for the wonderful session, thanked collaborator Pedatrix Global Solutions for co-organizing the session and expressed desire to have more such sessions in the future. He also thanked **Prof. Syed Aqeel Ahmad**, Director, Human Resource Development Centre, Integral University for providing this opportunity and congratulated Faculty coordinator **Dr. Anup Kumar Sirbaiya**, Associate Professor, Faculty of Pharmacy for organizing such a fruitful session.

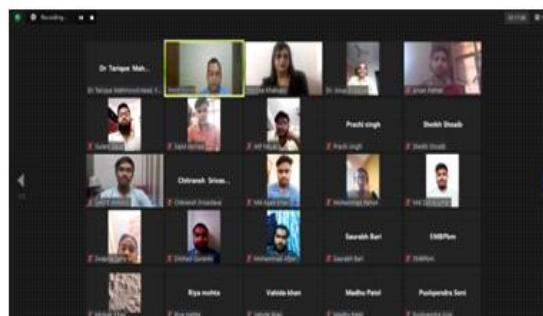
Link for the zoom

meeting: <https://zoom.us/j/97591632934?pwd=OG04S20xR0x5ZGZjK0h4dCtWeFBqdz09>

Link for the Google form: <https://forms.gle/GRvGS5CVPiDDyJps7>



**Live interactive session**  
**on**  
**Body language**  
**Ms Monika Khatwani**  
Trainer  
**Pedatrix Global Solutions**  
Organised by: Faculty of Pharmacy, Integral University  
under the aegis of  
Human Resource Development Centre (HRDC) Integral University, Lucknow  
in collaboration with  
Pedatrix Global Solutions, Lucknow





**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Invited Talk on Personalized Medicine (PM), Genetics & Cancer**

**7<sup>th</sup> October, 2021**

An Invited Talk was delivered by **Prof. Sher Ali**, Distinguished Professor, Department of Life Sciences, Sharda University, Greater Noida & Former Head, Molecular Genetics Division, National Institute of Immunology, New Delhi on **Personalized Medicine (PM), Genetics & Cancer**. The talk was organized by Departments of Bioengineering, Biosciences and Pharmacy under the aegis of HRDC, Integral University in the Central Auditorium on 7<sup>th</sup> October, 2021. The talk was attended by Honourable Pro-Chancellor Dr. S. Nadeem Akhtar, Honourable Vice-Chancellor, Prof. Javed Mussarat, Registrar Integral University Prof. Shahid Ali Khan, Deans, HoDs, faculty members and students. The event was attended by 265 participants in all.

Prof. Syed Aqeel Ahmad, Director, HRDC Integral University delivered the welcome address and apprised the audience about scientific achievements of the esteemed speaker.

**Prof. Sher Ali's** talk was full of insightful inputs in the field of personalized medicine that gave the audience a glimpse of how molecular medicine is going to change the landscape of clinical practice. He elaborated on the status of personalized medicine, and mentioned that genetic variability is the main reason for differences observed in effectiveness of drugs on different individuals which can be a major hindrance in therapeutic outcome. He enthralled the audience through illustrative examples and stressed upon the need to study the role of interactome and gut –brain crosstalk which can be associated with some major diseases and their therapy. He also highlighted the impediments that have hindered the success of personalized medicine.

The talk was followed by a Q/A session moderated by Dr. Snober Mir, Associate Professor, Department of Bioengineering. The session attracted a lot of queries from faculty and inquisitive students which were answered by the speaker in a unique style blended with guidance for future research.

The session closed with the presentation of Memento to the Guest speaker by the Honourable Pro-Chancellor and Vice chancellor, the Pro-Chancellor appreciated the esteemed speaker and urged the faculty to learn from his skills and teaching pedagogy. The Vice chancellor extended gratitude towards the speaker for sparing valuable time and expressed his wish for future collaborations.

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Guest Lecture on**

**“India-Thailand Relations: An economic Prospective”**

**Organized by Human Resource Development Centre (HRDC)**

**07<sup>th</sup> May, 2022**

Human Resource Development Centre (HRDC), Integral University, Lucknow organized an Guest Lecture on the topic “**India-Thailand Relations: An economic Prospective**” on May 07<sup>th</sup>, 2022 in Hall-1, Central Auditorium. The Guest Speaker was Dr. Mohd. Faheem, Head, Indian Studies, Thammasat University Bangkok, Thailand.

The Guest Lecture commenced with the Welcome Address of Prof. Syed Aqeel Ahmad Director, Human Resource Development Centre (HRDC), who welcomed the Guest Dr. Faheem and explained the importance of the India Thailand relationship.

The Guest Speaker Dr. Mohd. Faheem began his talk with history (Origin of Thailand) and brief about the culture, heritage and background of Thailand. In the later part of his presentation he also covered India- Thailand Relations under Act East Policy, and emphasised on **3 C’s model - Culture, Connectivity and Commerce**. Dr. Faheem also explain the bi-lateral trade between India and Thailand, and scope of investment between both the countries in term of trade and avenues of promotion of future business relations, which includes export and import as well as technology transfer between India and Thailand

The lecture was followed by the Question-Answer session where Prof. A. K. Saxena, Dean, Faculty of commerce & Management, Prof. M. A. Khalid Dean Student Welfare, and Mr. Banerjee faculty of civil Engineering discussed business trade relations issues between these two countries with Dr. Faheem. Few students also asked questions about the scope of India-Thailand student Exchange Program.

After the lecture the vote of thanks was proposed by Mr. Zishan Raza Khan, Dy. Director, Human Resource Development Centre.



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Report a Guest lecture on  
'Advanced Nanomaterials for various intensive applications to solve global energy challenges'  
6<sup>th</sup> July, 2022**

HRDC, Integral University organized a guest lecture on 'Advanced Nanomaterials for various intensive applications to solve global energy challenges' on 06 July 2022 in Hall 1, Central Auditorium Building from 2:00 PM to 3:30 PM. The resource person for the guest lecture was **Mr. Tabish Ahmad, an Australian Prime Minister's Youngest Distinguished Global Talent Awardee** in the field of energy and manufacturing technologies.

In the lecture, Mr. Tabish discussed fundamental concepts of Nano-materials, their current application, and future potential in the field of material science, especially aiming toward sustainable development of energy storage and achievement of the United Nations Sustainable Development Goals (SDG).

Mr. Tabish Ahmad also visited the Central Library, state-of-the-art laboratories, and Central Instrumentation Facility of Integral University and assured to explore the possible area where Integral University and Global Innovative Center for Advanced Nanomaterials (GICAN), The University of Newcastle, Australia can collaborate.



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Refresher Course on “Machine Learning with R (CU21)”  
(HRDC, Integral University, Lucknow, & NITTTR, Kolkata)  
30<sup>th</sup> May to 10<sup>th</sup> June, 2022**

National Institute of Technical Teachers’ Training and Research (NITTTR), an Autonomous Institute of Ministry of education, Govt. of India offers Various kinds of program specially for the total development of teachers / supporting staff of technical institutions so that they can play multiple role such as effective teaching, curriculum development, instructional material development, infrastructure development, student evaluation, guidance and counselling, community interaction and consultancy. HRDC Integral University regularly communicates and coordinates various courses offered by NITTTR Chandigarh, Bhopal, Chennai, and Kolkata to benefit from these courses and train the teaching and support staff.

HRDC, Integral University has communicated Two weeks **Refresher Course on Machine Learning with R (CU21) in ICT mode from 30<sup>th</sup> May to 10<sup>th</sup> June, 2022** for Faculty members of Engineering & Science, Allied disciplines.

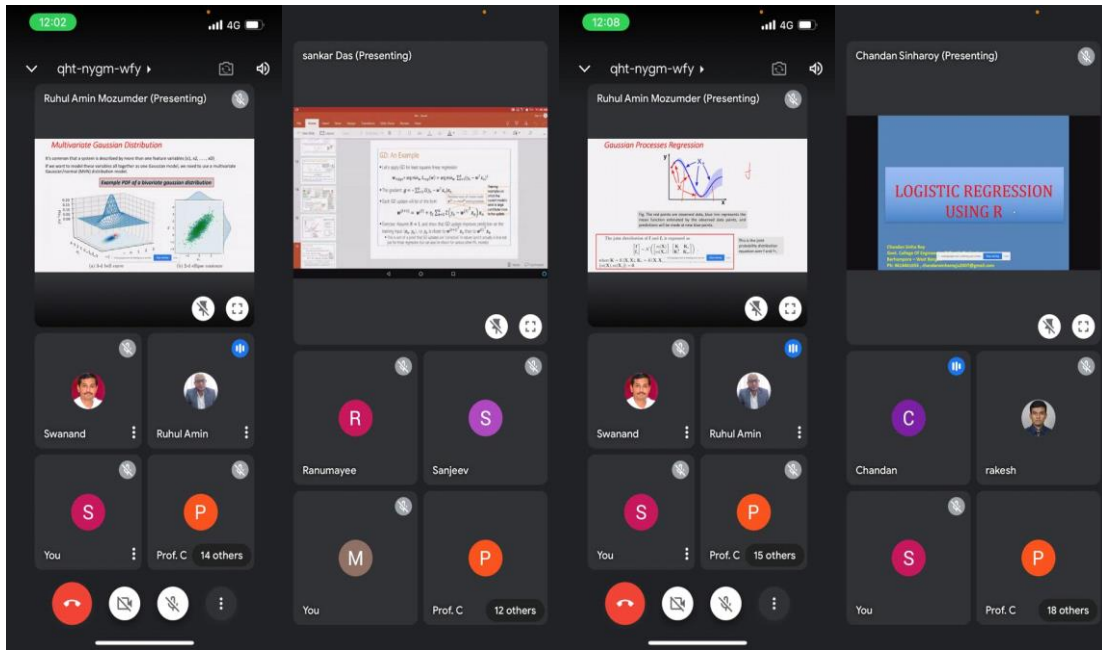
The Coordinator of this course was **Dr. Chandan Chakraborty, Professor, Computer Science and Engineering, NITTTR, Kolkata**. In this Course participants have developed knowledge and understanding of the most common types of machine learning problems for engineering applications, Explored the overview and learning skill with R Studio, Exposed with the design and development of Supervised Machine Learning Algorithms with R programming, also developed Unsupervised machine learning models with R programming, Deployed ML algorithms for engineering problem solutions through project based learning.

Overall Thirty Six participants benefited from various states in India. Out of Thirty six, Nine participants were from Integral University, Lucknow got selected for participation and benefited from this course. The program was coordinated by **Dr. Sheeba Praveen**, Assistant professor Department of CSE and member of HRDC, Integral University, Lucknow.



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Glimpses of the event:**



NITTR/ICT/2022-23/0213

*Certificate of Participation*

*Dr. Sheeba Praveen*

has completed Two Week

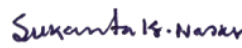
Short Term Training Programme through ICT Mode on

***Refresher Course on Machine Learning with R***

organised by this Institute

from 30th May to 10th June, 2022 successfully.

  
Dr. Chandan Chakraborty  
Programme Coordinator(s)

  
Dr. Sukanta Kr. Naskar  
Faculty-in-Charge, Training Cell

  
Prof. Debi Prasad Mishra  
Director



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**"Induction Training Programme Phase - I (PS13)"  
(HRDC, Integral University, Lucknow, & NITTTR, Kolkata)  
30<sup>th</sup> May to 10<sup>th</sup> June, 2022**

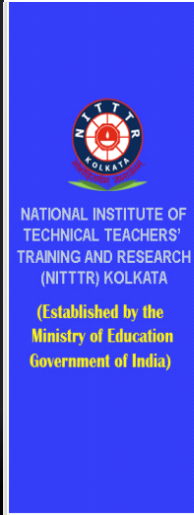
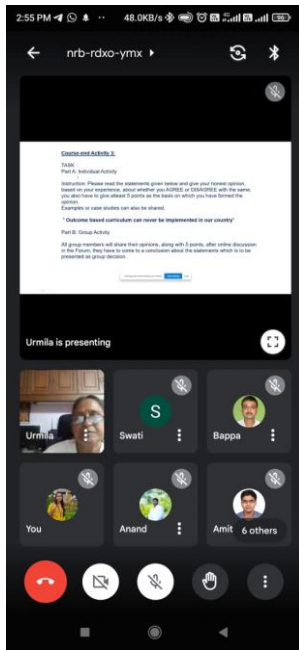
National Institute of Technical Teachers' Training and Research (NITTTR), an Autonomous Institute of Ministry of education, Govt. of India offers Various kinds of program specially for the total development of teachers / supporting staff of technical institutions so that they can play multiple role such as effective teaching, curriculum development, instructional material development, infrastructure development, student evaluation, guidance and counselling, community interaction and consultancy. HRDC Integral University regularly communicates and coordinates various courses offered by NITTTR Chandigarh, Bhopal, Chennai, and Kolkata to benefit from these courses and train the teaching and support staff.

HRDC, Integral University has communicated **Two weeks Induction Training programme Phase - I (PS13)** from **30<sup>th</sup> May to 10<sup>th</sup> June, 2022** for the Faculty members, Teaching Supporting Staffs and Technicians from all Technical Institutes/Universities. The coordinator of this program was **Dr. Urmila Kar, Professor, Education and Management, NITTTR, Kolkata**. Outcome of this course is to participants can explain the quality issues in Technical Education and Role of Teachers, Illustrate the process involved in Curriculum Development, Implementation and Reforms, Decide learning outcomes of specific course, Identify teaching strategy, methods and skills, Plan instruction, Assess performance of learners.

Overall Twenty Two participants benefited from various states in India. Out of Twenty Two, Eight participants from Integral University, Lucknow got selected for participation and benefited from this course. The program was coordinated by **Dr. Sheeba Praveen**, Assistant professor Department of CSE and member of HRDC, Integral University, Lucknow.

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Glimpses of the event:**



NITTRK/ICT/2022-23/0256

*Certificate of Participation*

*Dr. Shom Prakash Kushwaha*

has completed Two Week


Short Term Training Programme through ICT Mode on

***Induction Training Programme Phase - I***

organised by this Institute

from 30th May to 10th June, 2022 successfully.

  
Dr. Urmila Kar  
Programme Coordinator(s)

  
Dr. Sukanta Kr. Naskar  
Faculty-in-Charge, Training Cell

  
Prof. Debi Prasad Mishra  
Director

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Report on Two weeks Refresher Course in  
"Mechanical Engineering (ICT-90)"**

(HRDC, Integral University, Lucknow, a Remote Center of NITTTR, Chandigarh)  
**4<sup>th</sup> July to 15<sup>th</sup> July, 2022**

The Human Resource Development Centre, Integral University as a remote center of NITTTR, Chandigarh has conducted **Two weeks Refresher Course in "Mechanical Engineering (ICT-90)" from 4<sup>th</sup> July to 15<sup>th</sup> July, 2022** at CSE Lab-6, Integral University, Lucknow. This Course was organized by the Ministry of Education, Government of India's National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh.



Total Thirty technical sessions were constituted from wide variety of topics and each session was led by a team of experts viz.:

Day 1:

- Overview of Refresher Course and Industrial Automation by Dr. Sukhdeep S. Dhami, NITTTR Chandigarh.
- Solid State Welding Processes by Dr. G.S.Brar, NIT, Uttarakhand.
- CNC Programming by Dr. B S Pabla, NITTTR Chandigarh.

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Day 2:

- 2D and 3D CAD by Er. Hirdaypal Singh Sidhu, Parametric CadTech, Mohali.
- HVAC Systems by Dr. IPS Ahuja Punjabi University, Patiala.
- Engineering Graphics by Dr. Sanjeev Kumar, PEC Chandigarh.

Day 3:

- Quality in Manufacturing by Dr. Sandeep Grover, JCBUST, YMCA, Faridabad.
- Finite Element Modelling & Analysis by Er. Hirdaypal Singh Sidhu, Parametric CadTech, Mohali.
- Assignment 1 was given by Dr. Sukhdeep S. Dhami, NITTTR Chandigarh

Day 4:

- Machine Design by Dr. Rajesh Kanda, PEC Chandigarh.
- 5S- A quality improvement tool for sustainable performance by Dr. IPS Ahuja, Punjabi University, Patiala.
- Heat Treatment and Physical Metallurgy by Dr. Sanjeev Kumar, PEC Chandigarh.

Day 5:

- Modelling and Simulation Dr. Sukhdeep S. Dhami , NITTTR Chandigarh.
- Ergonomics by Dr. S.S. Banwait, NITTTR Chandigarh.
- Hot Corrosion, Dr. Niraj Bala, NITTTR Chandigarh.

Day 6:

- Additive Manufacturing by Dr. Rupinder Singh, NITTTR Chandigarh.
- Process Optimization using MCDM by Dr. Harwinder Singh, GNDEC Ludhiana.
- Fundamentals of Material Characterization Dr. Sanjeev Kumar, PEC Chandigarh.

Day 7:

- Industrial Robotics Dr. Sukhdeep S. Dhami , NITTTR Chandigarh.
- Visual Factory Management – An effective tool for Waste Elimination by Dr. IPS Ahuja, Punjabi University, Patiala.
- Design of Experiments by Dr. Sanjeev Kumar, PEC Chandigarh.

Day 8:

- NEP-2020: An Overview by Dr. Sandeep Grover, JCBUST, YMCA, Faridabad.
- TQM & TPM for Manufacturing Performance Enhancement by Dr. IPS Ahuja, Punjabi University, Patiala.
- Waste Management by Dr. Rupinder Singh, NITTTR Chandigarh.

Day 9:

- Mathematical Tools for Optimization-I by Dr. K.C.Lachhwani, NITTTR, Chandigarh.
- Mathematical Tools for Optimization-II by Dr. K.C.Lachhwani , NITTTR ,Chandigarh.
- Assignment 2 were given by Dr. Rupinder Singh, NITTTR Chandigarh.

Day 10:

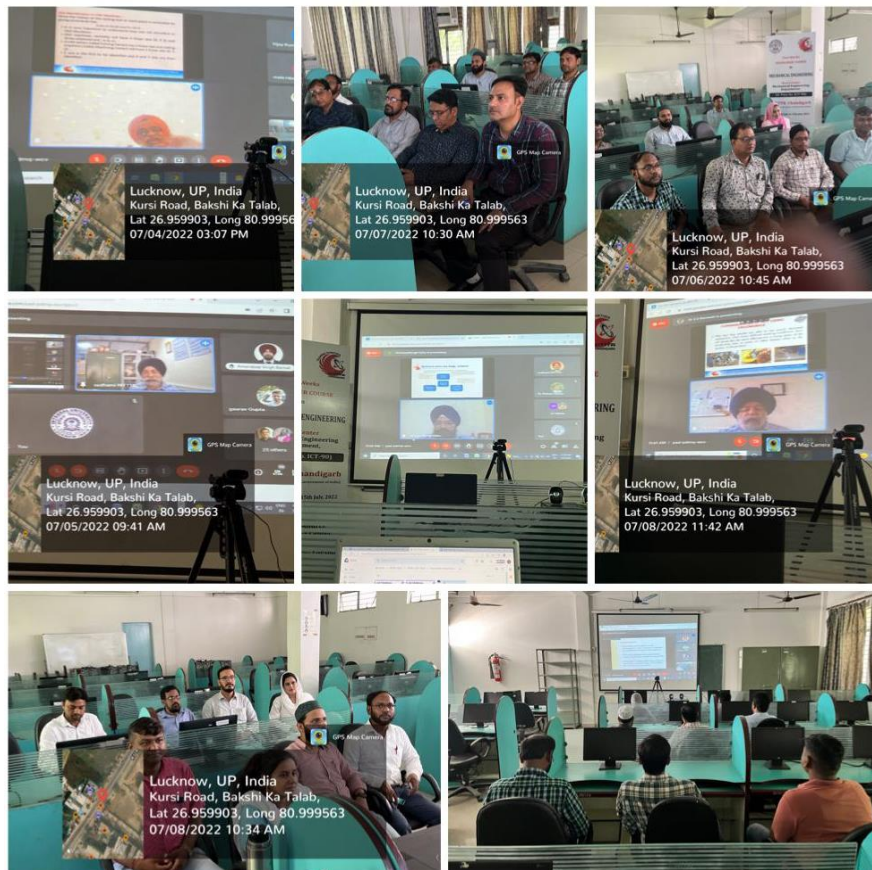
- 4D Printing by Dr. Rupinder Singh, NITTTR Chandigarh.

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

- Industrial IoT by Mr. Tarikdeep Singh, Tech. Mahindara, Chandigarh.
- Feedback and valediction by Dr. Sukhdeep S. Dhami and Dr. Rupinder Singh, Program Coordinator NITTTR Chandigarh.

Overall Twenty participants benefited from this Refresher Course. This program was very unique as Integral University remote center was very much appreciated for active participation and interaction by NITTTR, Chandigarh. The program was coordinated by Dr. Sheeba Praveen as Remote Center Coordinator, and Mr. Mohd Arif Ali Usmani as Technical supporting staff from Department of Computer Science and Engineering.

### Glimpses of the Event:



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**88- IIRS ISRO Outreach Programme on  
“Basics of Geographical Information System”  
(Human Resource Development Center, Integral University, Lucknow)  
27<sup>th</sup> September to 22<sup>nd</sup> October, 2021**

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 88- IIRS ISRO Outreach Programme on “**Basics of Geographical Information System**” from September 27, 2021 to October 22, 2021 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 88-IIRS ISRO Outreach Programme was Introduction to Basics of Geographical Information System. Important Topics included in programme are:

**1. Fundamentals of Geographical Information System**

We are presently positioned at the beginning of the twenty first century with the fast growing trends in computer technology information systems and virtual world to obtain data about the physical and cultural worlds, and to use these data to do research or to solve practical problems. The current digital and analog electronic devices facilitate the inventory of resources and the rapid execution of arithmetic or logical operations. These Information Systems are undergoing much improvement and they are able to create, manipulate, store and use spatial data much faster and at a rapid rate as compared to conventional methods.

**2. Maps**

A map is a two dimensional representation of earth surface which uses graphics to convey geographical information. It describes the geographical location of features and the relationship between them. Maps are fundamental to society. Cartography refers to the art and science of map preparation. Though, the earliest of the maps were technically not as impressive as they are today

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

but they certainly highlighted their role in communicating information about the location and spatial characteristics of the natural world and of society and culture.

### 3. Map Scales

Scale is important for correct representation of geographical features and phenomenon. Different features require different scales for their display. For example preparation of a cadastral map of a village and the soil map of a state would use different scale for representing the information. According to scale, maps can be classified as follows:

- a. Cadastral : These maps register the ownership of land property. They are prepared by government to realize tax and revenue. A village map is an example of cadastral map which is drawn on a scale of 16 inches to the mile or 32 inches to the mile.
- b. Topographical: Topographical maps are prepared on fairly large scale and are based on precise survey. They don't reveal land parcels but show topographic forms such as relief, drainage, forest, village, towns etc. The scale of these maps varied conventionally from 1/4 inch to the mile to one inch to the mile. The topographical maps of different countries have varying scales. Topographical survey map of British Ordnance Survey are one inch maps.

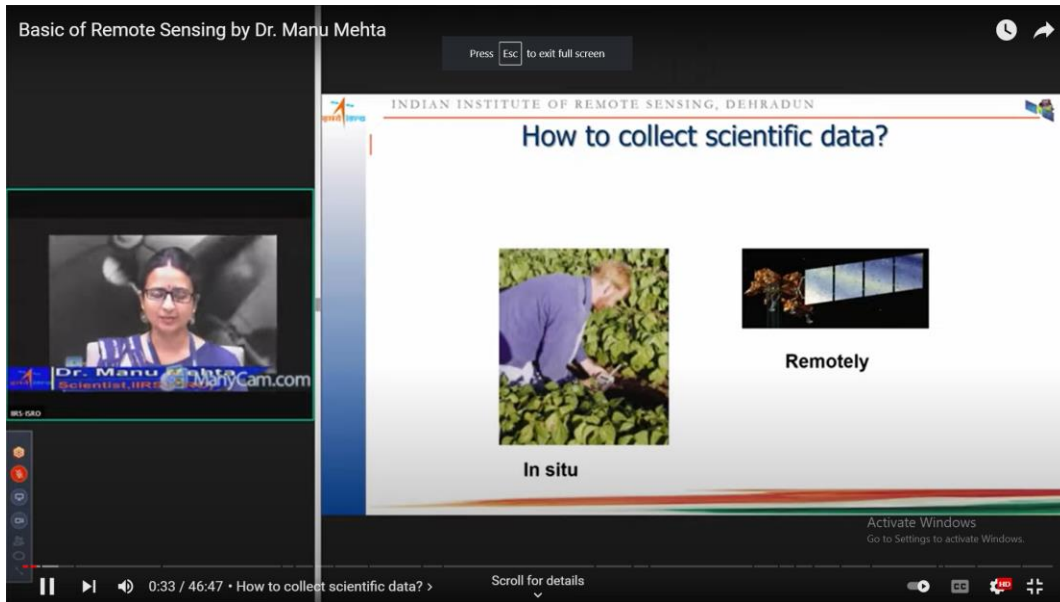
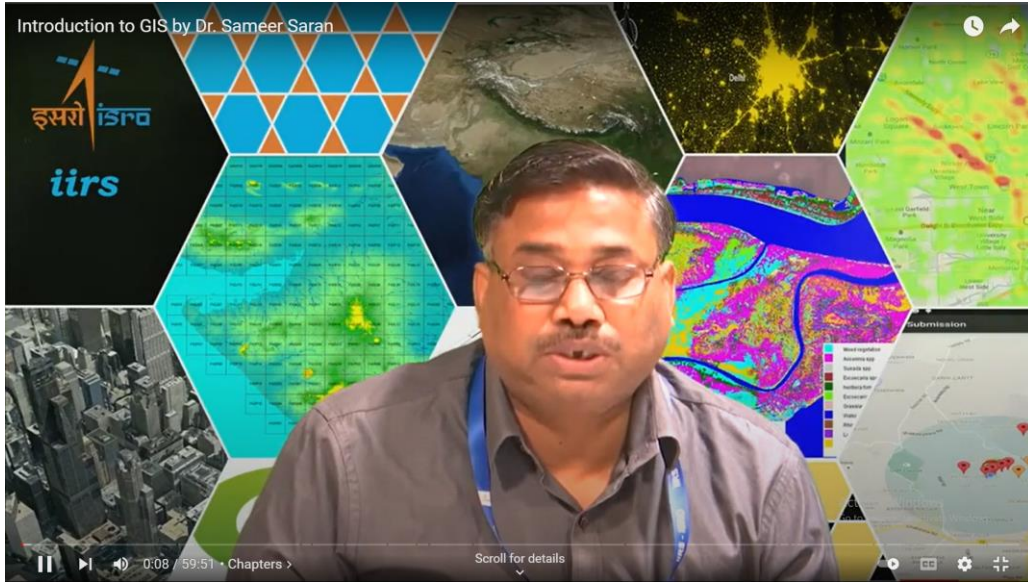
### 4. Representative fraction

It is expressed in fraction. If the scale is 1:50000, it means that 1 unit of measurement on map represents 50,000 units on ground. It is also known as numerical scale. The distance on map and the distance on the ground must be in the same units of length. The advantage of this scale is that- it can be read into different units of length. For example the map with a scale 1:50,000 would mean that a distance of 1 cm on ground represents 50,000 cm on the ground or it can also be said that a distance of 1 feet on ground represents 50,000 feet on ground.

The technical sessions constituted of a wide variety of topics taken by a team of expert's viz.: Overall **Twenty participants** attended the program and got benefitted from the much needed and timely insights on GNSS.



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**96- IIRS ISRO Outreach Programme on  
 “Hyperspectral and Microwave Remote Sensing Techniques for Geological  
 Studies”  
 7<sup>th</sup> March to 17<sup>th</sup> March, 2022**

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 96- IIRS ISRO Outreach Programme on “**Hyperspectral and Microwave Remote Sensing Techniques for Geological Studies**” from March 07-17, 2022 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.

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

S. No.	Date	Topic	Resource Person	Link of material
1.	07 March 22	Overview of Hyperspectral Remote Sensing for Geographical Applications.	Shri Kamal Pandey	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmU2F0ZWxsaXRlcyBiYXNlZCBldWdtZW50YXRpb24gc3lzdGVtcyAgR1BTIEFpZGVkIGFuZCBHRU8gQXVnbWVudGVkIE5hdmlnYXRpb24gKEdBR0FOKSYgRHIuIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBSaG5kSThnJjIwMjAtMDktMTc=">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmU2F0ZWxsaXRlcyBiYXNlZCBldWdtZW50YXRpb24gc3lzdGVtcyAgR1BTIEFpZGVkIGFuZCBHRU8gQXVnbWVudGVkIE5hdmlnYXRpb24gKEdBR0FOKSYgRHIuIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBSaG5kSThnJjIwMjAtMDktMTc=</a>
2.	08 March 22	Hyperspectral Data Processing Techniques (Air/Spaceborne): Data Reduction, Mapping Methods with Emphasis on Geological Studies.	Dr. Ashutosh	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHJlY2VpdmVycywgHJlY2Vzc2luZyBtZXRob2RzLCBlcnJvcnMgYW5kIGFjY3VyYWN5JkRyLiBBc2h1dG9zaCBCaGFyZlhdhaiZqZFRDNHJtOU92WSYyMDIwLTA5LTE1">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHJlY2VpdmVycywgHJlY2Vzc2luZyBtZXRob2RzLCBlcnJvcnMgYW5kIGFjY3VyYWN5JkRyLiBBc2h1dG9zaCBCaGFyZlhdhaiZqZFRDNHJtOU92WSYyMDIwLTA5LTE1</a>
3.	09 March 22	Spectroscopy of Major Rocks and Minerals.	Mr. Vinay Kumar	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmU2F0ZWxsaXRlcyBiYXNlZCBldWdtZW50YXRpb24gc3lzdGVtcyAgR1BTIEFpZGVkIGFuZCBHRU8gQXVnbWVudGVkIE5hdmlnYXRpb24gKEdBR0FOKSYgRHIuIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBSaG5kSThnJjIwMjAtMDktMTc=">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmU2F0ZWxsaXRlcyBiYXNlZCBldWdtZW50YXRpb24gc3lzdGVtcyAgR1BTIEFpZGVkIGFuZCBHRU8gQXVnbWVudGVkIE5hdmlnYXRpb24gKEdBR0FOKSYgRHIuIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBSaG5kSThnJjIwMjAtMDktMTc=</a>

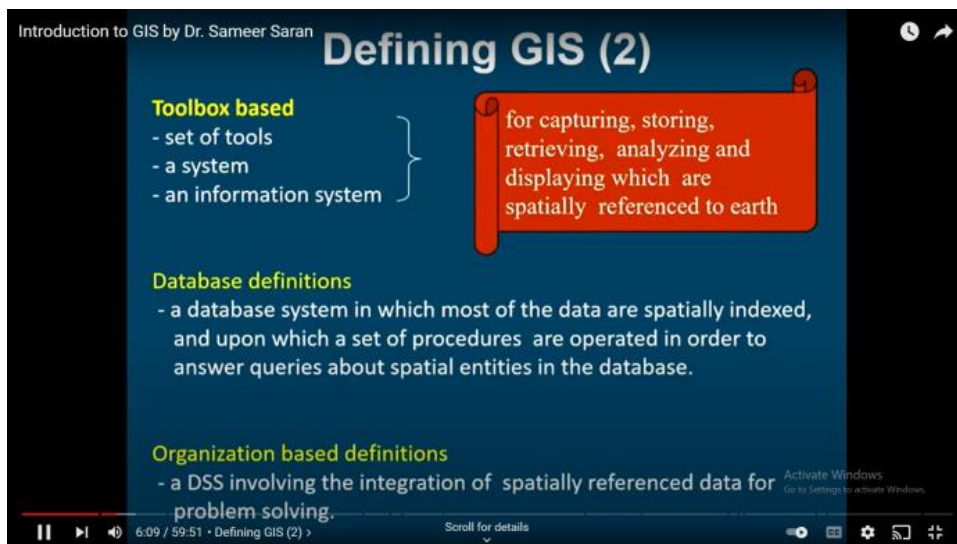
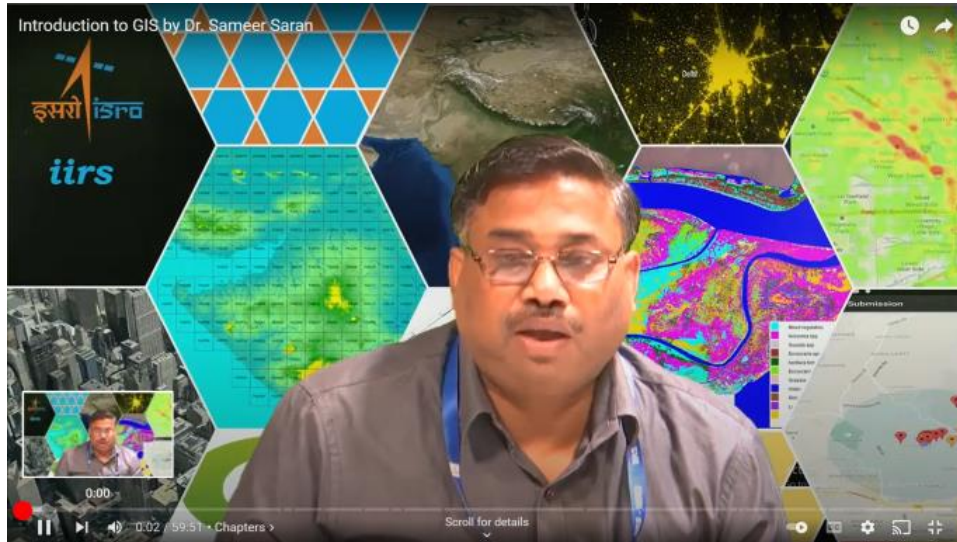


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				<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHnpZ25hbCBjaGFyYWN0ZXJpc3RpY3MsIERhdGEgZm9ybWF0cyAoYnJvYWRjYXN0LCBwcmVjaXNlIGVwaGVtZXJpcykmRHlueIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBzSaG5kSThnJjIwMjAtMDktMTc=">RHlueIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBzSaG5kSThnJjIwMjAtMDktMTc=</a>
4.	10 March 22	Compositional Analysis of Lunar and Martin Crust using Hyperspectral Sensors.	Dr. Ashutosh Bhardwaj	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHnpZ25hbCBjaGFyYWN0ZXJpc3RpY3MsIERhdGEgZm9ybWF0cyAoYnJvYWRjYXN0LCBwcmVjaXNlIGVwaGVtZXJpcykmRHlueIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBzSaG5kSThnJjIwMjAtMDktMTc=">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHnpZ25hbCBjaGFyYWN0ZXJpc3RpY3MsIERhdGEgZm9ybWF0cyAoYnJvYWRjYXN0LCBwcmVjaXNlIGVwaGVtZXJpcykmRHlueIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBzSaG5kSThnJjIwMjAtMDktMTc=</a> ==
5.	11 March 22	Hyperspectral Remote Sensing for Geographical Applications.	Shri Ashish Joshi	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1</a>
6.	14 March 22	Overview of Microwave Remote Sensing for Geographical Applications.	Dr. Sameer Saran	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1</a>
7.	15 March 22	Microwave Remote Sensing Techniques with Emphasis on Polarimetric SAR & Interferometric SAR.	Mr. Vinay Kumar	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI0">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI0</a>
8.	16 March 22	Microwave Remote Sensing for Glacier Dynamics Studies.	Shri Kamal Pandey	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjIjU2VwIDlwMjBfREdQUyBkZW1vbnN0cmF0aW9uIChQcmUtemVjb3JkZWQgZm9sbG93ZWQgYnkgbGl2ZSBxdWVyeSBzZXNzaW9uKSZEci4gQXNodXRvc2ggQmhhcmR3YWomclpZSVA4WFJzbzQmMjAyMC0wOS0yMg==">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjIjU2VwIDlwMjBfREdQUyBkZW1vbnN0cmF0aW9uIChQcmUtemVjb3JkZWQgZm9sbG93ZWQgYnkgbGl2ZSBxdWVyeSBzZXNzaW9uKSZEci4gQXNodXRvc2ggQmhhcmR3YWomclpZSVA4WFJzbzQmMjAyMC0wOS0yMg==</a>
9.	17 March 22	Differentiation Interferometric AR, Advanced Differential Interferometric SAR and Geological Applications.	Shri Kamal Pandey	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjEgU2VwIDlwMjBfSW5kaWFuIFJlZ2lvdmluIE5hdmluYXRpb24gU2F0ZUxsaXRlIFN5c3RlbSAoSVJOU1MpJkRyLiBBc2h1dG9zaCBhbmQgU2hyaS4gS2FtYWwmMlcyOHd6ZFRES3cmMjAyMC0wOS0yMQ==">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjEgU2VwIDlwMjBfSW5kaWFuIFJlZ2lvdmluIE5hdmluYXRpb24gU2F0ZUxsaXRlIFN5c3RlbSAoSVJOU1MpJkRyLiBBc2h1dG9zaCBhbmQgU2hyaS4gS2FtYWwmMlcyOHd6ZFRES3cmMjAyMC0wOS0yMQ==</a>

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Overall, **Ten Participants** from Integral University attended the program and got benefitted from the much needed and timely insights on Hyperspectral Data Processing and Remote Sensing.



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**STC on**

**“Free Software and Resources for Technical Education (ICT-175)”**

**Through ICT**

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

**21<sup>st</sup> March to 25<sup>th</sup> March, 2022**

The Human Resource Development Centre, Integral University is a remote center of the Ministry of Education, Government of India's National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh. Being a Remote Centre, a five day Short term Course/FDP through Information and Communication Technology (ICT) on "Free Software and Resources for Technical Education (ICT-175)" was jointly organized by Human Resource Development Centre and Department of Computer Science & Engineering, Integral University, Lucknow from 21st to 25th March, 2022 at Hall No. 3, Central auditorium. This program was very unique as our remote centre was very much appreciated by NITTTR, Chandigarh for active participation and interaction.



Since 2012, NITTTR started offering training programmes through ICT, to enable the teachers from technical institutions to benefit from these programmes without travelling to NITTTR, Chandigarh. The training programmes through ICT are conducted at NITTTR, Chandigarh by experts in the relevant area and are streamed to remote centers connected to NITTTR,

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

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

- Free Resources and Software for Technical Education by Amit Doegar – Course Coordinator, Department of CSE, NITTTR, Chandigarh.
- Free Tools for Data Analysis by Er. Sumit Rohilla, Project Associate, CDAC Mohali.
- Free Data Plotting and Visualization Tools by Er. Sumit Rohilla, Project Associate, CDAC Mohali.
- Free System and Application Software by Amit Doegar – Course Coordinator, Department of CSE, NITTTR, Chandigarh
- Free Computing and Skill Learning Software by Amit Doegar – Course Coordinator, Department of CSE, NITTTR, Chandigarh
- Free Research Software and Demonstration by Dr. Mohammad Ahsan Chishti, Dean, School of Engineering & Technology, Central University of Kashmir, Kashmir
- Free Automated Machine Learning Tools by Upendra Kumar, Data Scientist, Synergistic CompuSoft Pvt. Ltd., Ghaziabad
- Free Technical Writing Tools and Demonstration by Dr. Paramdeep Singh, IISER, Mohali.
- Open source Institutional Repository Software by Dr. Neeraj Kumar Singh, Deputy Librarian, Panjab University, Chandigarh
- Free Plagiarism Detection and Reference Management Software by Dr. Neeraj Kumar Singh, Deputy Librarian, Panjab University, Chandigarh
- Free Advance Libraries for Machine Learning and Applications by Dr. Ashok Kumar, Center for System biology & Bioinformatics, Panjab University Chandigarh
- Free Bioinformatics Data Analytic Tools for non-biologists by Dr. Ashok Kumar, Center for System biology & Bioinformatics, Panjab University Chandigarh
- Free Tools for Artificial Intelligence and Deep Learning by Dr. N Sambyal, Department of CSE, Thapar Institute of Engineering & Technology, (Deemed to be University), Patiala
- Case Study using Free Software and Online Quiz by Amit Doegar – Course Coordinator, Department of CSE, NITTTR, Chandigarh.

Overall Fifty Three participants benefited from this workshop. This STC provided the much needed and timely insights on Free Software and Resources for Technical Education. The program was very well coordinated by Dr. Sheeba Parveen from Department of CSE, Dr. Imran Ullah Khan from Department of ECE and Mr. Mohd Arif Ali Usmani from Department of CSE. All the course material is provided by the NITTTR, Chandigarh on the given link <https://filebin.net/s682ygrizkps4fel>.

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Glimpse of the Event:**



## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



**INTEGRAL UNIVERSITY**  
LUCKNOW (INDIA)

SHORT TERM COURSE ON  
**FREE SOFTWARE AND RESOURCES FOR TECHNICAL EDUCATION**  
(ICT-175)

Organized by  
National Institute of Technical Teachers Training & Research -NITTR, CHANDIGARH  
Ministry of Education, Govt. of India

Conducted by  
Human Resource Development Centre (Remote Centre)  
Collaboration with Department of Computer science & Engineering  
Integral University , Lucknow

**9:00 AM to 4:00 PM (IST)**  
21<sup>st</sup> to 25<sup>th</sup> March, 2022

**Eligibility**  
Faculty/Technical staff from universities ,  
Engineering Colleges and Polytechnics.

**Registration Link**  
<https://forms.gle/MwSRmSRETJ641QLS9>

Scan the QR to Register

<p><b>Convener</b> Dr. Syed Aqeel Ahmad Director Director Human Resource Development Centre (HRDC) Integral University</p>	<p><b>Co-Convener</b> Ms. Kavita Agarwal Head Computer Science &amp; Engineering Integral University</p>	<p><b>Host center Coordinator</b> Amit Doegar Associate Professor, Computer science &amp; engineering NITTR, Chandigarh</p>	<p><b>Remote center Coordinator</b> Dr. Sheeba Praveen Assistant Professor Computer Science &amp; Engineering Integral University (contact No. 8365520483)</p>
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**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**97- IIRS ISRO Outreach Programme on  
 “New Advanced Geospatial Technologies for Disaster Risk Reduction (DRR)”  
 (Human Resource Development Center, Integral University, Lucknow)  
 18<sup>th</sup> April to 29<sup>th</sup> April, 2022**

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 97- IIRS ISRO Outreach Programme on “New Advanced Geospatial Technologies for Disaster Risk Reduction (DRR)” from April 18-29, 2022 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.

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

S. No.	Date	Topic	Resource Person	Link of material
1.	18April 22	Overview of Remote Sensing sensors and platforms.	Ms.	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmU2F0ZWxsaXRlcYBiYXNlZCBBdWdtZW50YXRpb24gc3lzdGVtcyAgR1BTIEFpZGVkIE5hdmlnYXRpb24gKEdBROF0KSYSgRHluIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBSaG5kSThnJiIwMjAtMDktMTc=">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmU2F0ZWxsaXRlcYBiYXNlZCBBdWdtZW50YXRpb24gc3lzdGVtcyAgR1BTIEFpZGVkIE5hdmlnYXRpb24gKEdBROF0KSYSgRHluIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBSaG5kSThnJiIwMjAtMDktMTc=</a>
2.	19April 22	Applications of UAV in disaster response.	Dr. Ashutosh	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHJlY2VpdmVycywgCHJvY2Vzc2luZyBtZXRob2RzLlCBlnJvcnMgYW5kIGFjY3VyYWN5JkRyLiBBc2hldG9zaCBCaGFyZhdhaTZqZFRDNHJtOU92WSYyMDIwLTA5LTEL">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHJlY2VpdmVycywgCHJvY2Vzc2luZyBtZXRob2RzLlCBlnJvcnMgYW5kIGFjY3VyYWN5JkRyLiBBc2hldG9zaCBCaGFyZhdhaTZqZFRDNHJtOU92WSYyMDIwLTA5LTEL</a>
3.	09March 22	Spectroscopy of Major Rocks and Minerals.	Mr. Vinay Kumar	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmU2F0ZWxsaXRlcYBiYXNlZCBBdWdtZW50YXRpb24gc3lzdGVtcyAgR1BTIEFpZGVkIE5hdmlnYXRpb24gQXVnbWVudGvkiE5hdmlnY">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmU2F0ZWxsaXRlcYBiYXNlZCBBdWdtZW50YXRpb24gc3lzdGVtcyAgR1BTIEFpZGVkIE5hdmlnYXRpb24gQXVnbWVudGvkiE5hdmlnY</a>





**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

				<a href="https://www.youtube.com/watch?v=P51p977PIAo">XRpb24gKEdBR0FOKSYgRHuIEFzaHV0b3NoIEJoYXJkd2FqJmRSVFBSaG5kSThnJjIwMjAtMDktMTC=</a>
4.	10March 22	Compositional Analysis of Lunar and Martin Crust using Hyperspectral Sensors.	Dr. Ashutosh Bhardwaj	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHnpZ25hbCBjaGFyYWN0ZXJpc3RpY3MsIERhdGEgZm9ybWF0cyAoYnJvYWVjYXN0LCBwcmVjaXNIIGVwaGVtZXJpcyk mRHuIEFzaHV0b3NoIEJoYXJkd2FqICYgU2hyaSBBC2hpc2ggSm9zaGkmY3FabWlyb2k4SWsmMjAyMC0wOS0xOA==">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmR1BTIHnpZ25hbCBjaGFyYWN0ZXJpc3RpY3MsIERhdGEgZm9ybWF0cyAoYnJvYWVjYXN0LCBwcmVjaXNIIGVwaGVtZXJpcyk mRHuIEFzaHV0b3NoIEJoYXJkd2FqICYgU2hyaSBBC2hpc2ggSm9zaGkmY3FabWlyb2k4SWsmMjAyMC0wOS0xOA==</a>
5.	11March 22	Hyperspectral Remote Sensing for Geographical Applications.	Shri Ashish Joshi	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1</a>
6.	20April 22	Geocomputation, Online GIS and Geo web services for DRR .	Mr. Vinay Kumar	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1</a>
7.	21April 22	Role of machine learning techniques for disaster management.	Dr. Ashutosh Bhardwaj	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSV9VQ29fMFp4cyYyMDIwLTA5LTI1</a>
8.	22April 22	Role of GPS and GNSS in disaster management.	Dr. Ashutosh Bhardwaj	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjIjU2VwIDIwMjBfREdQUyBkZW1vbnN0cmF0aW9uIC hQcmUtemVjb3JkZWQgZm9sbG93Z WQgYnkGbG12ZSBxdWVyeSBzZXNz aW9uKSZEci4gQXNodXRvc2ggQm hcmR3YWomclpzSVA4WFJzbzQmMj AyMC0wOS0yMg==">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjIjU2VwIDIwMjBfREdQUyBkZW1vbnN0cmF0aW9uIC hQcmUtemVjb3JkZWQgZm9sbG93Z WQgYnkGbG12ZSBxdWVyeSBzZXNz aW9uKSZEci4gQXNodXRvc2ggQm hcmR3YWomclpzSVA4WFJzbzQmMj AyMC0wOS0yMg==</a>
9.	25April 22	Advanced Geoinformatic tools for forest fire management.	Shri Kamal Pandey	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjEgU2VwIDIwMjBfSW5kaWFuIFJlZ2lvdmluIE5hdmln YXRpb24gU2F0ZWxsaXRIIFN5c3Rl bSAoSVJOU1MpJkRyLiBBc2hldG9za CBhbmQgU2hyaS4gS2FtYWwmMlcy OHd6ZFRES3cmMjAyMC0wOS0yM Q==">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjEgU2VwIDIwMjBfSW5kaWFuIFJlZ2lvdmluIE5hdmln YXRpb24gU2F0ZWxsaXRIIFN5c3Rl bSAoSVJOU1MpJkRyLiBBc2hldG9za CBhbmQgU2hyaS4gS2FtYWwmMlcy OHd6ZFRES3cmMjAyMC0wOS0yM Q==</a>
10.	26April 22	Application of DinSAR for disaster management.	Shri Kamal Pandey	<a href="https://www.youtube.com/watch?v=P51p977PIAo">https://www.youtube.com/watch?v=P51p977PIAo</a>
11.	27April 22	Application of advanced Geospatial tools for urban Hazards.	Mr. Vinay Kumar	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjIjU2VwIDIwMjBfREdQUyBkZW1vbnN0cmF0aW9uIC hQcmUtemVjb3JkZWQgZm9sbG93Z WQgYnkGbG12ZSBxdWVyeSBzZXNz aW9uKSZEci4gQXNodXRvc2ggQm h">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmMjIjU2VwIDIwMjBfREdQUyBkZW1vbnN0cmF0aW9uIC hQcmUtemVjb3JkZWQgZm9sbG93Z WQgYnkGbG12ZSBxdWVyeSBzZXNz aW9uKSZEci4gQXNodXRvc2ggQm h</a>

### HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

				<a href="https://www.youtube.com/watch?v=hcmR3YWomclpzSVA4WFJzbxQmMjAyMC0wOS0yMg==">hcmR3YWomclpzSVA4WFJzbxQmMjAyMC0wOS0yMg==</a>
12.	28April 22	Advanced Geoinformatic tools for Urban Hazards.	Shri Kamal Pandey	<a href="https://www.youtube.com/watch?v=V3F4WzLSgrY">https://www.youtube.com/watch?v=V3F4WzLSgrY</a>
13.	29April 22	Advanced Geoinformatic tools for GLOF Hazards.	Shri Kamal Pandey	<a href="https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSjV9VQ29fMFp4cyYyMDIwLTA5LTI0">https://eclasscms.iirs.gov.in/watch_lecture.php?id=NjYmQWR2YW5jZSBHTINTIHByb2Nlc3NpbmcmU2hyaSBTdXJlc2ggS2FubmF1aml5YSZlSjV9VQ29fMFp4cyYyMDIwLTA5LTI0</a>

Overall, Nine Participants attended the program and got benefitted from the much needed and timely insights on DRR. Program was very well coordinated by Dr. Imran Ullah Khan, Nodal Centre Coordinator under the guidance of Convener Prof. Syed Aqeel Ahmad, Director, HRDC, Integral University, Lucknow.





## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



New Advanced Geospatial Technologies for Disaster Risk Reduction (D ×



### Geographical Information System

- Geographical information system can be defined as a system of hardware and software for measuring, storing, retrieving, mapping, monitoring, modeling, and analyzing a variety of data types related to geographic and natural phenomena.

**GIS DATA LAYERS**

Many different types of data can be integrated into a GIS and represented as a map layer.

Examples can include: streets, parcels, zoning, flood zones, client locations, competition, shopping centers, office parks, demographics, etc.

When these layers are drawn on top of one another, undetected spatial trends and relationships often emerge. This allows us to gain insight about relevant characteristics of a location.

<http://goftesolutions.com/wp-content/uploads/2015/05/gisdata.jp>

#RemoteSensing #GIS

Application of Science and Technology- Remote Sensing, GIS and GPS in Disaster Management

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

### Two-Weeks Blended Faculty Development Programme on “Next-Gen Computing Technologies” 10<sup>th</sup> November to 25<sup>th</sup> November, 2021

Having discovered the advantages of the blended learning approach, it only makes sense to spread its accessibility to educators all over. Hence to bridge the awareness gap, **Faculty Development Programme (FDP)** is designed to discover, experiment and adapt this technique with much ease. Last year, we conducted three e-FDPs on the most trending technologies with a vision to transform the teaching-learning experience and restructure the learning curve of academicians.

With this aim, the **Advanced Computing Research Lab, Department of Computer Application** under the aegis of **Human Resource Development Centre (HRDC)**, Integral University, organized a *Two-Week Blended Faculty Development Programme* on “*Next-Gen Computing Technologies, NGCT-2021*” from **10<sup>th</sup>-25<sup>th</sup> November, 2021**. The entire FDP was productively delivered via *ILI Learning Management System*. Through this platform, speakers from reputed institutes/companies exchanged their views on recent technological trends with faculty/research scholars spanning across India.

#### **FDP Highlights:**

- Registered Participants: **78**
- **80+ hours** of online active engagement through content-based learning, assignments & quizzes on **ILI**.
- Participants were from **10 different states** across India.
- A "**Certificate of Completion**" was given to the participants after completing all activities of ten modules.

SESSIONS OF THE FDP		
Date	Topic	Speaker
10-11-2021	Topic: Handling Statistical Data using R Programming	<b>Dr. Ajay Pratap</b> Amity University, Lucknow
13-11-2021	Topic: Data Analytics for Legacy and Modern data platform	<b>Mr. Sandeep Pandit</b> YARA International
15-11-2021	Topic: Cloud Technology	<b>Mr. Khalid Jamal</b> i-Nurture Education Solutions Pvt. Ltd
17-11-2021	Topic: Internet of Things	<b>Mr. Mohd. Siddique</b> Majan University, Oman
18-11-2021	Topic: Ethical Hacking	<b>Mr. Ankit Kumar</b> Hanu Software Solutions, Greater Noida
20-11-2021	Topic: Programming with PL/SQL	<b>Mr. Farooq Ahmad</b> Integral University, Lucknow

### HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

22-11-2021	<b>Topic:</b> Microsoft Azure	<b>Mr. Nayyar Ali Usmani</b> Hanu Software Solutions, Greater Noida
23-11-2021	<b>Topic:</b> Data Analytics	<b>Dr. Mohd. Shahid Hussain</b> University of Technology and Applied Sciences, CAS-Ibri campus, Oman
24-11-2021	<b>Topic:</b> Security Governance	<b>Dr. Suhel Ahmad Khan</b> IGNTU, Amarkantak
25-11-2021	<b>Topic:</b> Blockchain Technology	<b>Dr. Amrendra Singh Yadav</b> i-Nurture Education Solutions Pvt. Ltd

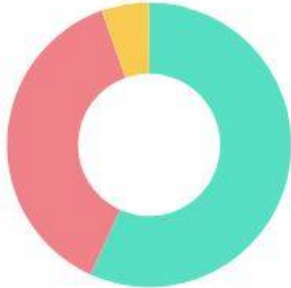
This sixteen-day-long FDP couldn't be possible without the constant support and motivation from **Prof. (Dr.) Syed Aqeel Ahmad**, Director, Human Resource Development Centre and **Prof. (Dr.) Naim R. Kidwai**, Deputy Director IQAC. All the FDP related activities like e-content, quizzes, and assignments were effectively well-coordinated by the *Organizing Committee Members*: **Dr. Mohd. Waris Khan, Mr. Malik Shahzad Ahmad, Dr. Ausaf Ahmad, Mr. Dr. Asif Khan and Mohd. Faizan.**

Overall, FDP management was artfully administered by *FDP Coordinators*: **Dr. Sandeep Kumar Nayak, Dr. Tasneem Ahmed, Ms. Nashra Javed, and Mr. Farooq Ahmad**, who arranged for quality speakers for this FDP and walked the extra mile to bridge the participants with the speakers. Also, they were instrumental in ensuring the punctuality of the program. All the participants were enthusiastic and responsive throughout the event. FDP concluded with excellent feedback and positive response from all participants as they found the sessions to be insightful, informative, inspiring, and enriching.

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

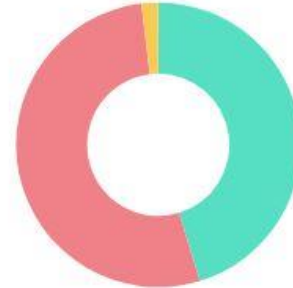
*Feedback analysis of participants:*

Quality of learning material/demonstration given



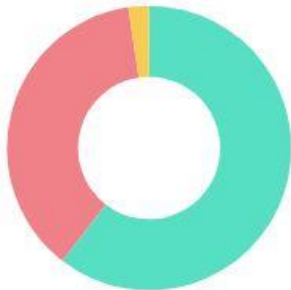
Excellently (56.76%) Very Good (37.84%) Satisfactory (5.41%)

Quality of learning support provided by FDP Team



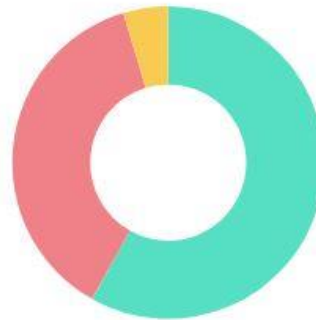
Excellently (45.28%) Very Good (52.83%) Satisfactory (1.89%)

Learning from the FDP program shall improve effectiveness in your work & research



Strongly Agree (60.47%) Agree (37.21%) Neutral (2.33%)

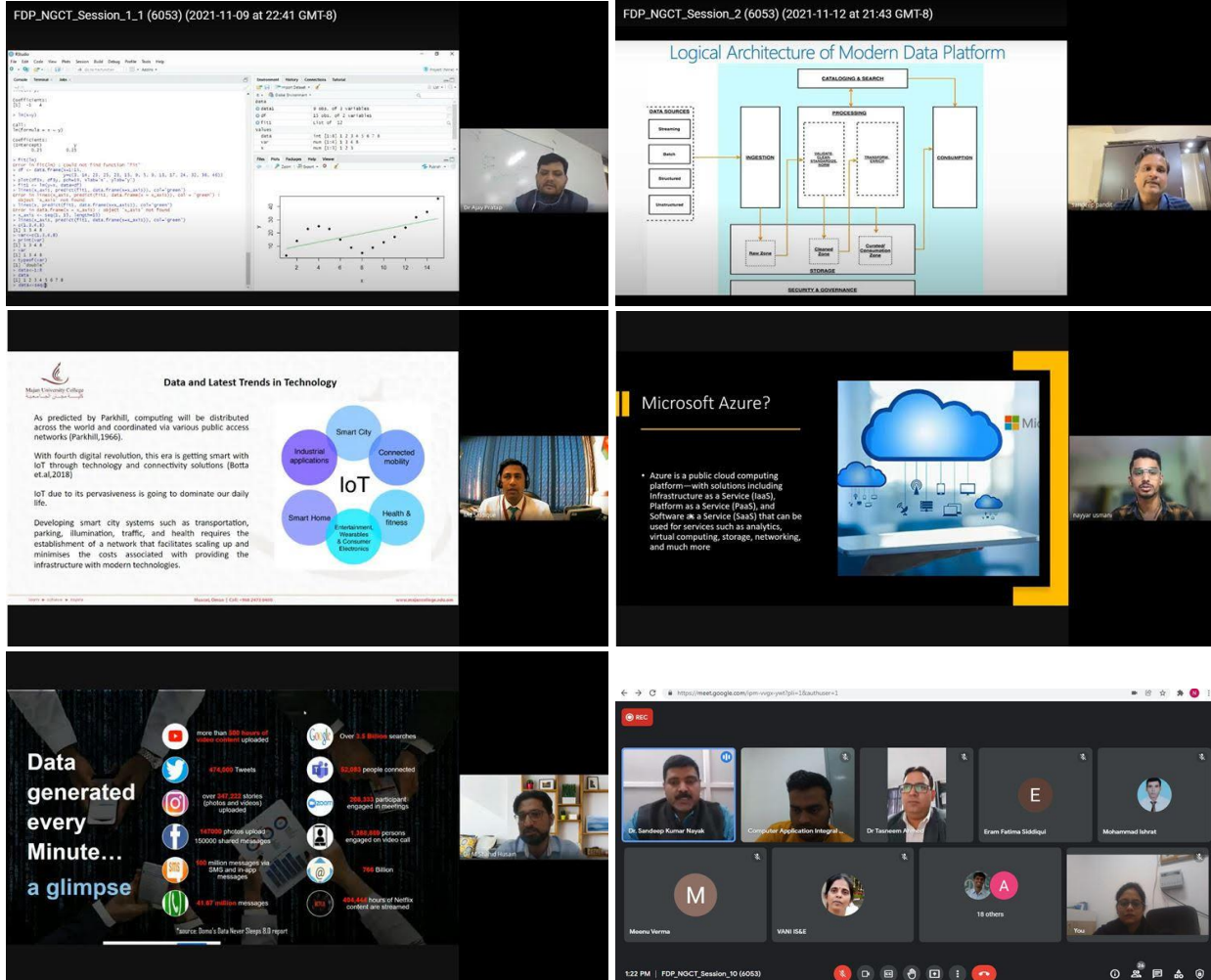
Overall learning experience



Excellently (58.14%) Very Good (37.21%) Satisfactory (4.65%)

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

### FDP sessions at glance:



**FDP\_NGCT\_Session\_1\_1 (6053) (2021-11-09 at 22:41 GMT-8)**

**FDP\_NGCT\_Session\_2 (6053) (2021-11-12 at 21:43 GMT-8)**

**Logical Architecture of Modern Data Platform**

**Data and Latest Trends in Technology**

**Microsoft Azure?**

**Data generated every Minute... a glimpse**

1:22 PM | FDP\_NGCT\_Session\_30 (6053)



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

*FDP completion certificate:*



**INTEGRAL UNIVERSITY**  
LUCKNOW (INDIA)







**CERTIFICATE OF COMPLETION**

This is to certify that **XXXXXX XXXXXX** (Registration ID: NGCTXXXX)  
**XXXXXXXX, XXXXXXXXXXXXXXXXXX**  
 has successfully completed Two-weeks blended Faculty Development Programme on

**Next-Gen Computing Technologies**

Organized by Department of Computer Application under the aegis of Human Resource Development Centre (HRDC),  
 Integral University, Lucknow, from 10-11-2021 to 25-11-2021

[10-days face to face session (One week equivalent) and 80+ hours of online active engagement (One week equivalent)]

Issue date: 1 December 2021



**Dr. Mohammad Faisal**  
Head, Dept. of Computer Application  
Integral University, Lucknow



**Prof. (Dr.) T Usmani**  
Dean, Computer Application  
Integral University, Lucknow



**Prof. (Dr.) Syed Aqeel Ahmad**  
Director, HRDC  
Integral University, Lucknow

Certificate Number: XXX-XXXX-XXXX



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Professional Development Program on “Laboratory Management System and Internal Audit” as per ISO/IEC:17025-2017 organized by Department of Civil Engineering, Integral University, Lucknow Under the Aegis of Human Resource Development Centre, NEP Task force & IQAC from 21<sup>st</sup> June to 06<sup>th</sup> July 2022**

ISO/IEC:17025 is useful for any organization that performs testing, sampling or calibration and requires reliable results. This includes all types of laboratories, whether they be owned and operated by government, industry or, in fact, any other organization. The standard is also useful to universities, research centres, governments, regulators, inspection bodies, product certification organizations and other conformity assessment bodies with the need to do testing, sampling or calibration.

To make faculty members abreast with the latest developments, the Department of Civil Engineering Integral University, Lucknow, Under the Aegis of Human Resource Development Centre, offered a Professional Development Program (PDP) on “Laboratory Quality Management System and Internal Audit” as per ISO/IEC:17025-2017 from 21.06.2022 to 06.07.2022. It was developed with the objective of promoting confidence in the operation of laboratories. This document provided guidance/requirements for laboratories to enable them to demonstrate that they operate competently, and are able to generate valid results. This PDP aimed to facilitate the establishment of a laboratory system with global standards by enhancing the capability and competence of our human resources.

Total 32 faculty members and laboratory instructors registered in the program. Following were the resource persons and coordinators of the Professional Development Program:

- Mr. Zishan Raza Khan, Associate Professor, Department of Civil Engineering, Integral University, Lucknow. Certified Internal Auditor by Bureau of Indian Standards.
- Tabish Izhar, Assistant Professor, Department of Civil Engineering, Integral University, Lucknow. Certified Internal Auditor by Bureau of Indian Standards.

Mr. Zishan Raza Khan initiated the professional development program with the importance and history of ISO/IEC:17025-2017. Mr. Zishan Raza Khan in his talk discussed the general requirements of ISO/IEC 17025:2017 and stressed on the importance of impartiality and confidentiality. Mr. Tabish Izhar elaborated the structural requirement, resource requirement and process requirement of ISO/IEC: 17025:2017. Mr. Tabish Izhar discussed the organizational chart and how to remove conflict of interest. Further he described the competence of personal, environmental conditions and equipment required for a world class laboratory. Mr. Tabish Izhar also elaborated the detailed process requirement ranging from tenders to the generation of reports

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

with retaining records. Mr. Zishan Raza Khan carried the PDP forward with the discussion of management system requirements where he discussed the role and responsibility of the management system. At last he demonstrated the procedure of conducting internal audits systematically and hands on practice to find fact not fault.

Total 17 participants successfully completed the course.

**Registration link:** <https://forms.gle/KBYcVG7cscUW7EJBA>

**Course Link:** [Course: Professional Development Program- Laboratory Quality Management System and Internal Audit” as per ISO/IEC: 17025-2017 \(ilizone.in\)](#)



Mr. Zishan Raza Khan and Mr. Tabish Izhar, Department of Civil Engineering, Integral University, Lucknow Delivering the Talk

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**



Participants, Department of Civil Engineering, Integral University, Lucknow Attending the PDP



Certificate Distribution

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Workshop on  
"Plagiarism and Code of Conduct"  
2<sup>nd</sup> March & 3<sup>rd</sup> March, 2022**



**Dignitaries with participants of the workshop on Plagiarism and Code of Conduct**

To create an awareness about Plagiarism and the Code of conduct in Research Writing, the Human Resource Development Centre (HRDC), Integral University organized a two days Workshop on **“Plagiarism and Code of Conduct”** for Faculty members and Research Scholar on 2<sup>nd</sup> and 3<sup>rd</sup> March 2022 at central Auditorium, Integral University, Lucknow wherein total 164 faculty members, administrative staff and research scholars had participated.

The workshop started with a welcome address by Prof. Syed Aqeel Ahmad, Director HRDC and Convener of the workshop. Prof. Aqeel encouraged the participants to maintain academic integrity. He also emphasized upon adopting a righteous path which is the essential element for the civilized world.

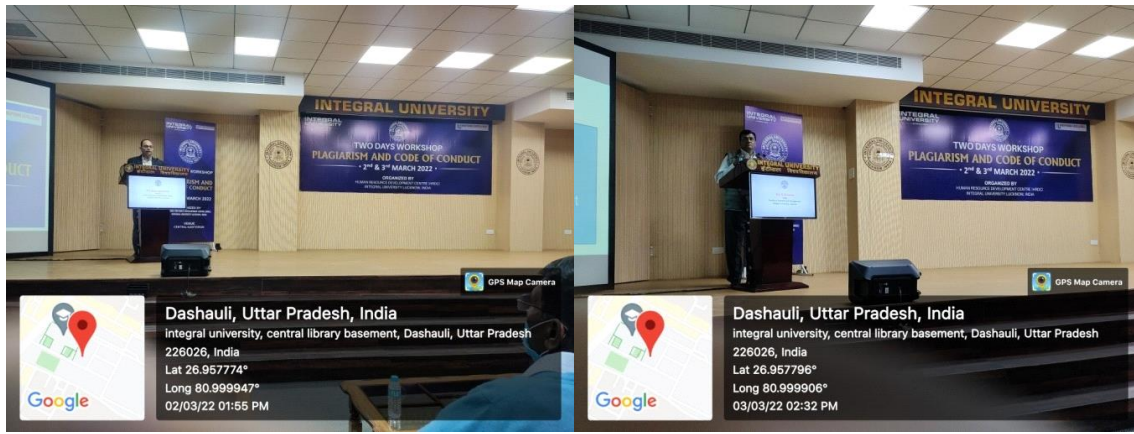
In the first session Dr. Snober S. Mir, Assistant Director IIRC and Associate Professor, Bioengineering elaborated about University Grants Commission (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018. Dr. Mir also conducted hands-on to make participants sensitized about the nitty-gritties of the issue.

In the subsequent session, Prof. Abdul Majid Baba, Dean cum University Librarian talked about different classes of plagiarism and the current global prospective of it. He elaborated the standard procedures for citation of research work including, text, figures etc.

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

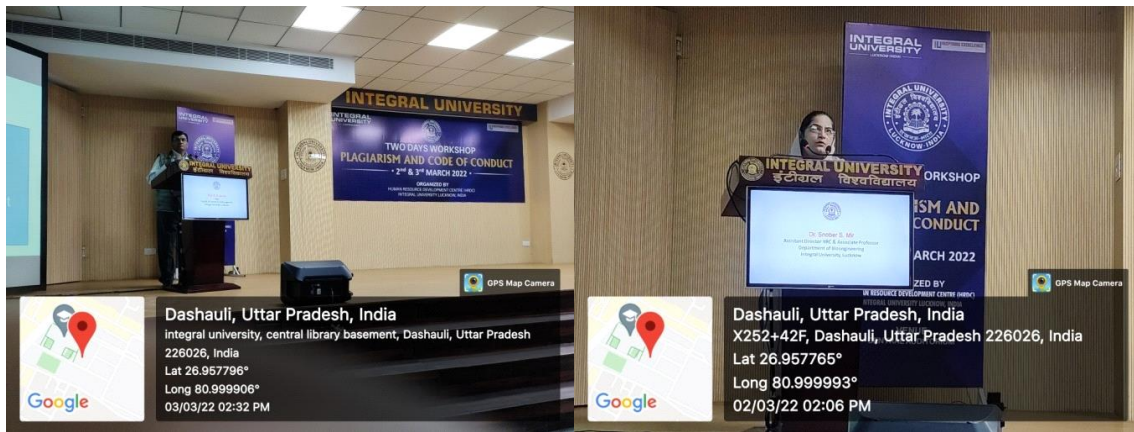
On second day of the workshop, Prof. A K Saxena, Dean Faculty of Commerce and Management talked about Professional Ethics. Prof. Saxena explains that all code of conduct is derived from professional ethics.

The workshop concluded with an on-line quiz, discussion and feedback session followed by memento felicitation ceremony to all the resource persons by director HRDC. A vote of thanks was delivered by Mr. Zishan Raza Khan, Dy. Director, HRDC and Co-Convener of the workshop. The workshop was coordinated by Mr. Amit Kumar Goel, Assistant Professor, Faculty of Commerce and Management, Integral University, Lucknow.



(a)

(b)



(c)

(d)

(a) Prof. Syed Aqeel Ahmad, (b) Prof. A.K. Saxena, (c) Prof. Abdul Majid Baba and (d) Dr. Snober S. Mir, addressing the audience of the workshop on Plagiarism and Code of Conduct

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**National Seminar on  
“Structural Reforms in Higher Education Proposed in the NEP 2020”  
24<sup>th</sup> August, 2021**

To realize the dream of transforming the education system and making it truly relevant for the challenges of 21st century, National Education Policy (NEP) 2020 was approved by the Govt. of India on 29th July 2020.

In accordance with the Government directives, Task Force for Implementation of NEP-2020 & Human Resource Development Centre (HRDC), Integral University, Lucknow had organized a National Seminar on "Structural Reforms in Higher Education Proposed in the NEP 2020" on Tuesday, August 24, 2021, wherein total 360 participants have registered across the globe.

The event started under the patronage of Prof. Syed Waseem Akhtar, Honorable Founder & Chancellor, and Dr. Syed Nadeem Akhtar, Pro-Chancellor of Integral University, Lucknow. The event observed the gracious presence of a Keynote Speaker Dr. Furqan Qamar, Professor, Centre for Management Studies Jamia Millia Islamia, former Secretary-General, Association of Indian Universities (AIU) former Vice Chancellor of University of Rajasthan and Central University of Himachal Pradesh. Prof. Javed Musarrat, Vice-Chancellor, Integral University, Lucknow emblazed the seminar as the patron of the event.

The Chief Guest of the seminar was Dr. Dinesh Sharma Ji Hon'ble Deputy Chief Minister, Govt. of UP, Special Guest was Prof. G.C. Tripathi Chairman, UP Higher Education Council, Govt. of UP. The guest of honor of the seminar was Mr. Shamim Ahmad Khan, IAS, Secretary, Higher Education Department, Govt. of UP & Mr. Abdul Samad, IAS, Special Secretary, Higher Education, Govt. of UP.

At the outset Prof. Syed Aqeel Ahmad, Director HRDC, Integral University, Lucknow welcomed all the esteemed guests & participants. He emphasized that the NEP-2020 will help in realizing the vision of Integral University.

Dr. Furqan Qamar addressed the august assembly with excellent clarity and in-depth knowledge. On the basis of his par excellence and experience, he emphasised that higher education in India needs to be facilitated by the policy makers in terms of quality and excellence. He said that to improve the higher education system we need to focus on three things that includes seeking funds, increase in faculty count and freedom to execute what universities are made for in terms of imparting quality and excellence in higher education. He also mentioned that in order to formulate the vision of NEP 2020 the universities must need to build a multi-dimension education system to provide meaningful skillset among the learners.

Prof. G.C Tripathi highlighted the importance of a holistic and integrated education system. He conveyed the primary, secondary and higher education systems complement each other in many ways, and hence there is a need to transform the institutional infrastructure and education system



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

in terms of dissipating quality education among all. He mentioned that education does not only reside in minds but also in hearts.

**INTEGRAL UNIVERSITY**  
LUCKNOW - INDIA

INSPIRING EXCELLENCE

**NATIONAL SEMINAR** >

ON

**STRUCTURAL REFORMS IN HIGHER EDUCATION PROPOSED IN THE NEP - 2020**

CHIEF-PATRON		CHIEF GUEST	
 <b>Prof. S.W. AKHTAR</b> <small>FOUNDER &amp; CHANCELLOR Integral University, Lucknow</small>		 <b>Dr. DINESH SHARMA</b> <small>DEPUTY CHIEF MINISTER OF UTTAR PRADESH</small>	
PATRON			
 <b>Dr. SYED NADEEM AKHTAR</b> <small>PRO-CHANCELLOR Integral University, Lucknow</small>		 <b>Prof. JAVED MUSARRAT</b> <small>VICE-CHANCELLOR Integral University, Lucknow</small>	
KEYNOTE SPEAKER	SPECIAL GUEST	GUEST OF HONOUR	
 <b>Dr. Furqan Qamar</b> <small>Professor Centre for Management Studies Jamia Millia Islamia Former Secretary General, AIU</small>	 <b>Prof. G.C. Tripathi</b> <small>Chairman UP Higher Education Council Government of UP</small>	 <b>Mr. Shamim Ahmad Khan</b> <small>Secretary Higher Education Department Government of UP</small>	
GUEST OF HONOUR		CONVENER	CONVENER
 <b>Mr Abdul Samad, IAS</b> <small>Special Secretary Higher Education Government of UP</small>		 <b>Prof. Syed Aqeel Ahmad</b> <small>Director, HRDC Integral University, Lucknow</small>	 <b>Prof. AK Saxena</b> <small>Dean Faculty of Commerce &amp; Management Integral University, Lucknow</small>

**2:00 pm to -03:30 pm (IST)**  
**Tuesday, August 24<sup>th</sup>, 2021**

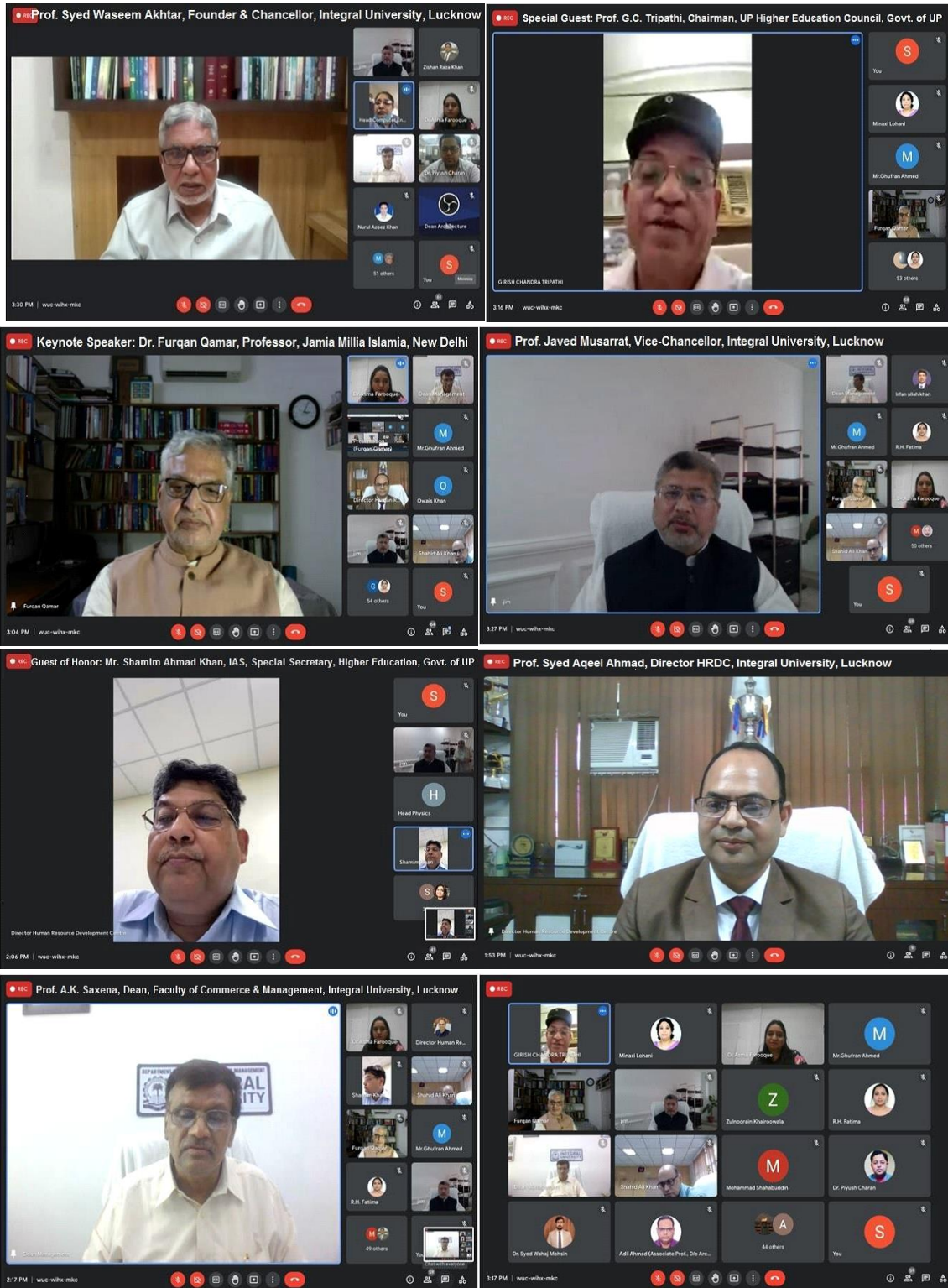
**GOOGLE MEET JOINING INFO**

<https://meet.google.com/wuc-wlhx-mkc>

Registration Form Link : <https://forms.gle/U9FGHGKFTQ7YBsJz8>

**ORGANIZED BY :**  
**Task Force on Implementation of NEP-2020  
 & HRDC, Integral University, Lucknow**

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)



The collage consists of eight screenshots from a Zoom meeting, arranged in a 4x2 grid. Each screenshot shows a different participant in a video call window, with a list of other participants visible in a smaller window on the right. The participants and their titles are:

- Top Left:** Prof. Syed Waseem Akhtar, Founder & Chancellor, Integral University, Lucknow. Time: 3:30 PM.
- Top Right:** Special Guest: Prof. G.C. Tripathi, Chairman, UP Higher Education Council, Govt. of UP. Time: 3:15 PM.
- Second Row Left:** Keynote Speaker: Dr. Furqan Qamar, Professor, Jamia Millia Islamia, New Delhi. Time: 3:04 PM.
- Second Row Right:** Prof. Javed Musarrat, Vice-Chancellor, Integral University, Lucknow. Time: 3:27 PM.
- Third Row Left:** Guest of Honor: Mr. Shamim Ahmad Khan, IAS, Special Secretary, Higher Education, Govt. of UP. Time: 2:06 PM.
- Third Row Right:** Prof. Syed Aqeel Ahmad, Director HRDC, Integral University, Lucknow. Time: 1:52 PM.
- Bottom Left:** Prof. A.K. Saxena, Dean, Faculty of Commerce & Management, Integral University, Lucknow. Time: 2:17 PM.
- Bottom Right:** A screenshot showing a grid of participants, including Prof. G.C. Tripathi, Prof. Javed Musarrat, and Prof. A.K. Saxena. Time: 3:17 PM.



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**“Cyber Security Awareness Month”  
30<sup>th</sup> October 2021**

The month of October is globally observed as the **National Cyber Security Awareness Month** to educate the public and private sector to increase cyber security awareness among the general public as recommended by the **National Security Council Secretariat (NSCS)**, Government of India, an initiative to put conscious efforts towards ensuring better cyber security hygiene and incorporating better security measures. In continuation of the initiative of the Government of India, the **Department of Computer Application** under the aegis of **Internal Quality Assurance Cell (IQAC)** and **Human Resource Development Centre (HRDC)**, Integral University, Lucknow has observed the month of October as the National Cyber Security Awareness Month.

A national seminar on "**Cyber Swachhta Abhiyan**" was organized on 30<sup>th</sup> October 2021, in the central auditorium of the university, under the chairmanship of Hon'ble Pro-Vice-Chancellor, **Prof. (Dr.) Aqil Ahmad** showered his blessings to the audience with his words of wisdom and emphasized to main distance from unknown users on different social media platforms.

On this auspicious occasion, **Prof.(Dr.) Syed Aqeel Ahmad**, Director, Human Resource and Development Centre (HRDC), delivered the welcome address and discussed the need for Cyber Security awareness in the current scenario. He also briefed about all the initiatives and events organized for cyber security awareness in the University Campus.

The Chief Guest of the event was one of the renowned IPS officers, **Prof. (Dr.) Triveni Singh, Superintendent of Police, Cyber Crime, Uttar Pradesh**, and **Dr. Pramod Dixit**, Director, Ostrian Infotech LLP, Former Dy. Director, PNBIIT as Technical Expert.

**Prof.(Dr.) Triveni Singh** delivered a comprehensive talk on cyber security by discussing different case studies. He has shared some valuable information with the audience on how one can report cybercrime, for instance, a web portal (<https://cybercrime.gov.in/>) for reporting cybercrimes or contacting on national helpline number **155260** or dial **112**. He has encouraged the students to stay safe while they surf the internet and be cautious about the authenticity of the people they connect with on social media. Prof. Triveni motivated everyone to observe "**Cyber Vrat**" (Cyber Fasting) by staying disconnected from social media for better mental health and social well-being.

**Dr. Pramod Dixit** has taken a technical session on various ATM frauds and educated the audience to take necessary precautions while using ATMs and doing online transactions.

The department has organized an e-Quiz on cyber security awareness "**Cybernetics**" on 26<sup>th</sup> October 2021. In total, **313** students took part and **Mr. Moazzam Ahmad Khan** from **BCA Second Year** was the winner for the same.

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Furthermore, the department has also organized the "**Cyber Security Slogan Writing Competition**" on 28-29<sup>th</sup> October 2021 to give students a platform to showcase their cyber wit for cyber security awareness through Slogans, Mottos, Taglines, Catchphrases. The total number of participants in this competition was **135** from different courses. **Mr. Tribhuwan Raj** from **MCA Second Year** was the winner with his most unique slogan: "*Click with your eyes instead of the mouse, whenever you are at a Cyber house.*"

All the faculty members and students of Integral University were also encouraged to take the Cyber Security pledge as per the directives of the Government of India and received their e-certificates from Information Security Education and Awareness (<https://www.infosecawareness.in/>) portal. In continuation to this, the faculty members and students were invited to participate in the "**Cyber Swachhta Quiz**" and subsequently received an e-Certificate from the department. More than 1000 participants took **Cyber Security Pledge** and more than **500** participants participated in **Cyber Swachhta Quiz**. **Mr. Mohit Kumar** from **MCA Final Year** was the winner of the e-Quiz.

The winners of the different activities organized under the flagship of cyber security awareness month were felicitated with awards by the guests.

The entire series of events was successfully organized by the faculty coordinators, **Dr. Sandeep Kumar Nayak**, **Ms. Nashra Javed**, **Mr. Syed Mohd. Faisal** and **Dr. Mohd Waris Khan**.



**INTEGRAL UNIVERSITY**  
LUCKNOW

**CYBERSECURITY AWARENESS MONTH**

*A Seminar on*  
**Cyber Swachhta Abhiyan**  
*"Do your part #Be Cyber Smart"*

**GUEST SPEAKERS**

 <b>Prof. (Dr.) Triveni Singh (IPS)</b> Superintendent of Police Cyber Crime UP Police	 <b>Dr. Pramod Dixit</b> Director Ostrain Infotech LLP & Former Dy Director PNBIIIT
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**10:30 am Onwards**  
**Saturday, October 30<sup>th</sup>, 2021**

**Organized By**  
 Department of Computer Application  
 Under the Aegis of  
 Internal Quality Assurance Cell (IQAC) & Human Resource Development Centre (HRDC)

On spot free registration is available at 9:30 am onwards & the participants will get E-certificate.



**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**



Dashauli, Uttar Pradesh, India  
integral university, central library basement, Dashauli,  
Uttar Pradesh 226026, India  
Lat 26.957789°  
Long 80.999965°  
30/10/21 11:04 AM



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X252+42F, Dashauli, Uttar Pradesh 226026, India  
Lat 26.957767°  
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30/10/21 11:51 AM



Dashauli, Uttar Pradesh, India  
X252+42F, Dashauli, Uttar Pradesh 226026, India  
Lat 26.957778°  
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30/10/21 11:49 AM



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Lat 26.957774°  
Long 80.999998°  
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Long 81.000022°  
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**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Fulbright Outreach Program**

**11<sup>th</sup> April 2022**



**Ms. Pratibha Nair (Left), Program Coordinator and Dr. Gayatri Singhal (Right), Indian Program Manager, USIEF, Fulbright commission in India interacting with the participants**

The Human Resource Development Centre (HRDC) Integral University hosted the Fulbright Outreach Program organized under the aegis of the United States-India Educational Foundation (USIEF), the Fulbright Commission in India on Monday 11<sup>th</sup> April 2022 at Central Auditorium wherein 492 participants from more than 35 departments have registered.

USIEF administers prestigious Fulbright Fellowships such as Fulbright-Nehru, Fulbright-Kalam, and other Fulbright fellowships for study, research, teaching, and professional development in the United States of America. Fulbright Program is the flagship international exchange scholarship program functioning between the U.S. and 155 countries; is supported by the U.S. Congress and partner governments worldwide. Fulbright-Nehru and Fulbright-Kalam fellowships are jointly funded by the Government of India and the Government of the United States of America.

Three officials from USIEF reached out to the perspective Fulbright applicants from Integral University in different categories including research scholars, young faculty members, post-doctoral research candidates and senior faculty members through different categories of fellowships such as **Fulbright-Kalam Climate fellowship, Fulbright-Nehru Academic and Professional Excellence Fellowships, Fulbright-Nehru Doctoral Research Fellowships, Hubert H. Humphrey Fellowship etc.**

The program was graced by Hon'ble Pro-Chancellor Dr. Syed Nadeem Akhtar, Hon'ble Vice-Chancellor Prof. Javed Musarrat along with several dignitaries from the Integral University. Dr. Sudarsan Dash, Senior Program Officer, Dr. Gayatri Singhal, Indian Program Manager and Ms. Pratibha Nair, Program Coordinator, USIEF, Fulbright commission in India had joined the outreach program.

## HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)

Speaking to a packed hall of research scholars, faculty and students, Dr. Gayatri and Ms. Nair expressed their happiness to be at the University in the presence of a Fulbright-Nehru Scholar, Hon'ble Pro-Chancellor Integral University Dr. Syed Nadeem Akhtar.

Hon'ble Vice-Chancellor Prof. Javed Musarrat shares his experience of visiting the United States for research and explains the importance of the Fulbright Fellowship program. He also emphasized to strive hard for academic excellence and contributing to national development.

Dr. Gayatri from USIEF, in a separate session, elaborated on the Foreign Language scholarships available for research scholars to teach Hindi and Urdu in American universities through the Fulbright grants.

The programme was organized at the university by Dr. Syed Aqeel Ahmad, Director, Human Resource Development Centre (HRDC) and anchored by Dr. Neha Mumtaz, Assistant Prof. Department of Civil Engineering.



Hon'ble Pro-Chancellor, Dr. Syed Nadeem Akhtar (Right) and Hon'ble Vice-Chancellor, Prof. Javed Musarrta (Left) presenting University Memento to Ms. Pratibha Nair (Centre), Program Coordinator, USIEF, Fulbright Commission in India.

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**

**Three Days workshop  
“Modern Air Pollution Control Technologies”  
17<sup>th</sup> May to 19<sup>th</sup> May, 2022**

The three-day workshop on “**Modern Air Pollution Control Technologies**” was organized under the aegis of **HRDC by University Polytechnic, Integral University, Lucknow** from **17 May to 19 May 2022**.

This workshop deals with the technologies and measures taken for controlling air pollution. Air emissions have many adverse effects on environment as well as on humans. Many technological applications are being used to reduce air pollution such as Incinerators, gravitational settling chambers, electrostatic precipitators, cyclone separators, selective catalytic reduction systems, fabric filters, biofilters, and scrubbers. As a result, exposure to air pollution declines and adverse effects of air pollution on the environment and human health are taken under control.

The inaugural lecturer was given by **Er. Abdul Jabbar of Mechanical Engineering Department, University Polytechnic, Lucknow** followed by **Er. Nusrat Ali, Assistant Professor, Department of Civil Engineering, Integral University** and **Er. Ashish Kumar, Project Engineer, Bharat Electronics Ltd (BEL), Panchkula, Haryana**.

**Er. Mohammad Rashid Khan, JE (UP Govt), Irrigation Deptt., Gorakhpur** has enriched the students with his knowledge. **Er. Khan has his expertise in Air Pollution Control Technologies**, he has worked in various thermal power plants and other industries before joining UP Govt, he also has been associated with a number of engineering colleges. We express our heartiest gratitude to him for his valuable time to spare with us.

The program was conducted under the guidance of **Prof. Syed Aqeel Ahmad, Director HRDC, Integral University & Dr. K.M.Moeed, Principal, University Polytechnic** and was coordinated and facilitated by the following faculty members -

**Er. Abid Shakeel, In-charge Civil Engg. University Polytechnic (Co-Convener)**

**Er. Abdul Jabbar (Organiser)**

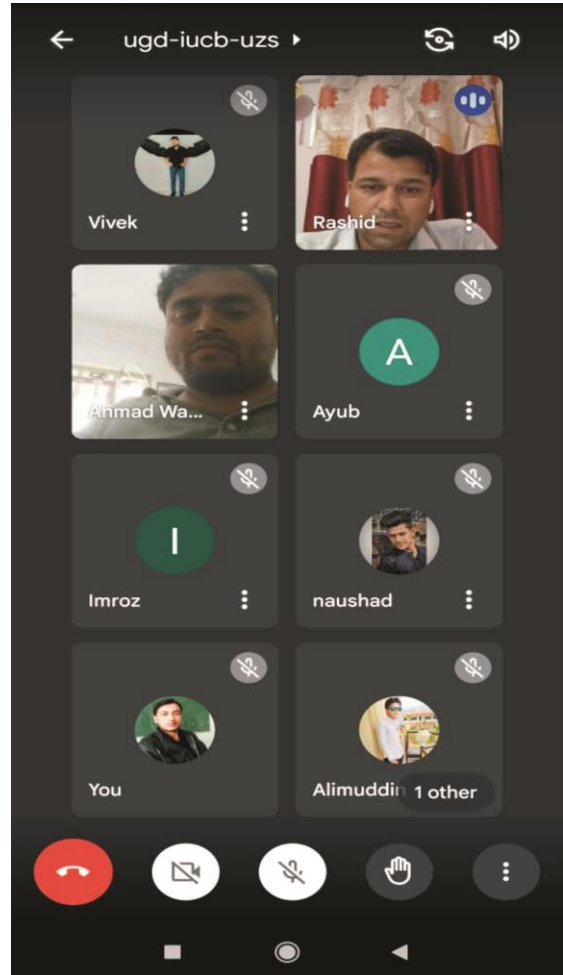
**Er. Ahmad Wasiq Khan (Organiser)**

**Highlights of the Workshop.**

**Platform:** Both on-line(Google Meet) & off-line.

- 37 students from Integral University, Lucknow registered for the workshop.
- All students have been awarded certificate (hard copy)

**HUMAN RESOURCE DEVELOPMENT CENTER (HRDC)**



2021-22

# HRDC

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