


STP on NEP 2020: Artificial Intelligence in ICT- Application in Education and Research (Through Virtual Mode)

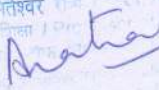
16-23 November, 2022

Report

Organised by:

**Staff Training and Research Institute of Distance Education
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110068**


प्रो. संतोष पंडा
निदेशक, स्ट्राइड, इग्नू, नई दिल्ली-68
Prof. Santosh Panda
Director, STRIDE, IGNOU, New Delhi-68


आचार्य अभितेश्वर कालिया
अध्यक्ष, दूर शिक्षा / Director, Distance Education
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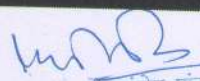
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Prof. Santosh Panda
आचार्य अमिलेश्वर रात्रा / Dr. Amilleshwar Ratra
आचार्य, दूर शिक्षा
विभाग, स
Distance Education
Staff Training & Research Institute of Distance Education
Maidan Garhi, New Delhi - 110068

Title: STP on NEP 2020: Artificial Intelligence in ICT- Application in Education and Research

Date: 16-23 November, 2022

Programme Coordinators: Prof. Amiteshwar Ratra, Dr. Pulla Lakshmi

Introduction (Theme):

Artificial intelligence is gaining salience in present technology-enabled teaching-learning society. Application of Artificial Intelligence on education and how one can use it in the educational set-up has been pondered by many of us. As reported in the State of the Education Report for India 2022, Artificial Intelligence in Education (UNESCO, 2022; published by UNESCO, New Delhi, 2022) "we believe that we should neither be fearful of, nor blindly embrace the application of Artificial Intelligence in education."(p. 5).

This STP on Artificial Intelligence in ICT- Application in Education and Research is envisioned under NEP 2020 programme. This would help the faculty (both teachers and academics) in sensitizing the participants on use of artificial intelligence in education and application of AI in the education system, hold discussion on learning analytics, machine learning, data mining, sharing experience from AI expert working in industry to be followed with insight into the research trends of AI in education. Participants are expected to apply AI in their area of work at IGNOU.

This programme is proposed for faculty interested in gaining sensitization towards artificial intelligence in education. It is a six days STP workshop, which later will be followed by STP on AI in education.

Objectives/Learning Outcomes

The objectives of the NEP 2020 – UGC approved PDP on STP on Artificial Intelligence in ICT- Application in Education and Research are:

- Develop understanding on artificial intelligence;
- Sensitize the faculty to implementation of AI in our education system;
- Develop skills in learning analytics and data mining;
- Analyse research trends of artificial intelligence in education; and
- Apply AI for the growth in the education system.

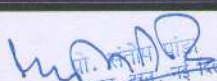
Target Group

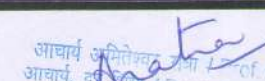
Teachers and academics working in various Schools/Divisions/Center/Units/Cells/Regional Centers of IGNOU.

NEP 2020 - UGC Approved PDP on STP on Artificial Intelligence in ICT-Application in Education and Research (Virtual Mode)
(16-23 November, 2022)

Training Schedule

	10:00-11:30 hrs.	11:30 11:45 hrs.	11:45-13:15 hrs	13:15 14:15 hrs	14:15-15:45 hrs	15:45- 16:00 hrs	16:00-17:30hrs
Day 1 16 th Nov 22	S1: AI in Pedagogy and Academic Processes (Prof. Amiteshwar Ratra, Dr. Pulla Lakshmi)		S2: Inauguration PVC-Dr. M.S.Meena Director, STRIDE, STRIDE Faculty		S3: Understanding Artificial Intelligence (Prof. PV Suresh, Director, SOCIS, IGNOU)		S4: Activity 1- Practical exercise on selection of AI course by the participants. (Practical) (Prof. PV Suresh, Director, SOCIS, IGNOU)
Day 2 17 th Nov 22	S5: Introduction to Augmented Reality (Dr. Kaushal Kumar Bhagat Assistant Professor, Advanced Technology Development Centre, IIT Kharagpur)		S6: Introduction to Virtual Reality (Dr. Kaushal Kumar Bhagat Assistant Professor, Advanced Technology Development Centre, IIT Kharagpur)		S7: Implementation of AI in a real-world Applications – At Schools and At Regional Centers (Prof. R.C.Sharma Ambedkar University, Delhi)		S8: Activity 2 - Application of AI in ODL system (Practical) (Prof. R.C.Sharma Ambedkar University, Delhi)
Day 3 18 th Nov 22	S9: Contemporary Technologies used in Research and Academia (Prof. Subodh Kesarwani, Director, COE, IGNOU)		S10: Big Data (Dr. Akshay Kumar, SOCIS, IGNOU)		S11: Data Mining and AI (Dr. Pankaj Khare, Ex-Director, PDD, IGNOU)		S12: Data Mining Tools & Techniques for DE (Dr. Pankaj Khare, Ex-Director, PDD, IGNOU)
Day 4 21 st Nov 22	S13 Introductions to Conversational AI (Mrs. Raagini Chadha, Lead Conversational AI Designer, Wysdom.AI)		S14: Machine Learning in Education System (Prof. Sandeep Singh Rawat, SOCIS, IGNOU)		S15: Learning Analytics (Dr. G. Mythili, STRIDE, IGNOU)		S16: AI for Social Media (Dr. Sudhansh Sharma, SOCIS, IGNOU)
Day 5 22 nd Nov 22	S17: The Research Trends of Artificial Intelligence in Education (Prof. Santosh Panda, Director, STRIDE, IGNOU)		S18: AI Opportunities and Challenges for India (Dr. Akshay Kumar, SOCIS, IGNOU)		S19: AI for Education and Research (Dr. Sudhansh Sharma, SOCIS, IGNOU)		S20: Practice session for AI in Social Media, Education and Research (Dr. Sudhansh Sharma, SOCIS, IGNOU)
Day 6 23 rd Nov 22	S21: Activity 7 - Presentation of Draft Action Plan on use of AI in Education: Real-world applications (Prof. Amiteshwar Ratra, Dr. Pulla Lakshmi, Dr. Tata Ramakrishna)		S22: Activity 8- Presentation of Draft Action Plan on use of AI in Education: Real-world applications (Prof. Amiteshwar Ratra, Dr. Pulla Lakshmi, Dr. Tata Ramakrishna)		S23: Feedback, Examination & Submission of Assignments (Prof. Amiteshwar Ratra, Dr. Pulla Lakshmi)		S24: Valedictory Session (Director, STRIDE, STRIDE Faculty)


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 Prof. Amiteshwar Ratra
 Director, Distance Education
 Slahi Training & Research Institute, Distance Education
 IGNOU, Mahila

Total Participants: 18

List of Participant (IGNOU-Hqrs.)

S. No	Your Name	Designation	School/ Division/ Center/ Unit of IGNOU	Mobile No.	Email address
1.	Dr. Sarda Prasad	Assistant Professor	SOEDS	9968834514	sardaprasad@ignou.ac.in
2.	Dr. Biplab Jamatia	Associate Professor	SOHS	9810201401	biplabjamatia@gmail.com
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List of Participants (IGNOU-Regional Centre)

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5.	Dr. Saroj Kumar Mishra	Assistant Regional Director	RC Deoghar	9406396221	jsrsaroj@gmail.com
6.	Dr. Joginder Kumar Yadav	Regional Director	RC Shimla	8427753410	drjky@ignou.ac.in
7.	Dr. Shyni Duggal	Assistant Regional Director	RC Delhi 2	9871312555	shyniduggal@ignou.ac.in
8.	Dr. P. Namboothiri Pad	Assistant Regional Director	RC Mumbai	9769309663	pnamboothiripad@ignou.ac.in
9.	Dr. Jalajakumari V T	Assistant Regional Director	RC Cochin	9495679688	jalajakumari@ignou.ac.in
10.	Dr. N.R. Rajendra Prasad	Assistant Regional Director	RC Pune	7895295465	nrrprasad@ignou.ac.in

Prof. Santosh Panda

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Amiteshwar Ratra

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Brief Proceedings (inaugurated by), including Activities Completed and achievement of Learning Outcomes.

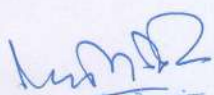
The UGC Approved PDP on STP on NEP 2020: Artificial Intelligence in ICT-Application in Education and Research (Virtual Mode) held from 16-23 November, 2022 was inaugurated by Dr. Manroop Singh Meena, PVC, IGNOU. Dr. Manroop Singh Meena, PVC, IGNOU gave Inaugural Address.

During the Valedictory session, the Valedictory address was given by Prof. Santosh Panda, Director (STRIDE), IGNOU.

Activities Completed and achievement of Learning Outcomes:

- Activity 1: Practical exercise on selection of AI course by the participants
- Activity 2: Application of AI in ODL system
- Activity 3: Data Mining Tools & Techniques for DE
- Activity 4: Practice session for AI in Social Media, Education and Research
- Activity 5: Presentation of Draft Action Plan on use of AI in Education: Real-world applications

The desired learning outcomes for the STP on NEP 2020: Artificial Intelligence in ICT-Application in Education and Research (Virtual Mode) held from 16-23 November, 2022 were achieved.



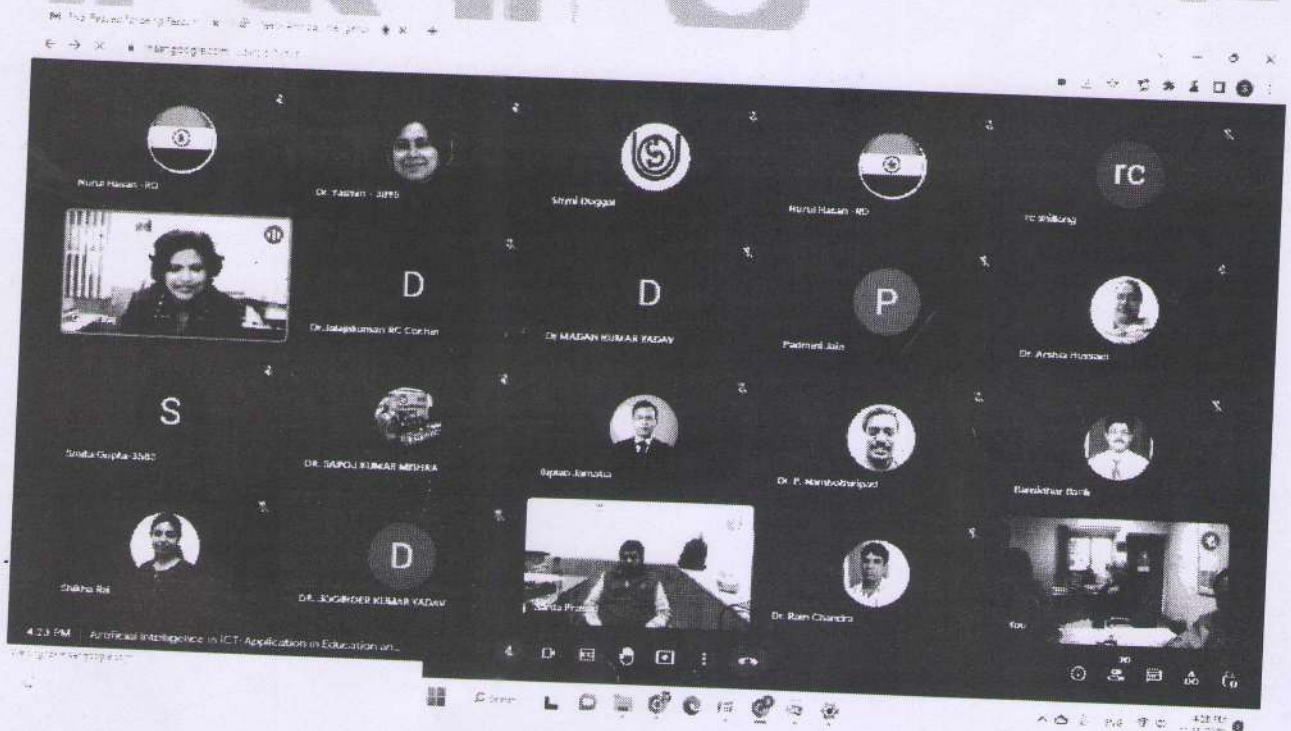
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IGNOU, Mardan Garmi, New Delhi-110068

Photographs



Inaugurated by Dr. Manroop Singh Meena, PVC, IGNOU



Valedictory address by Prof. Santosh Panda, Director (STRIDE), IGNOU

[Signature]
 Dr. Santosh Panda
 Director, STRIDE, IGNOU

[Signature]
 Dr. Manroop Singh Meena
 PVC, IGNOU
 Staff Training & Development
 IGNOU, Maidan Garhi, New Delhi-110068

All Certificates



Prof. Suresh Kumar
Programme Coordinator

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IGNOU-STRIDE/STP-AI/2022/....


Grading Score System*

Grade	Percent range
A	85% and above
B	70% to 84%
C	60% to 69%
D	50% to 59%
Fail	Below 49%

* In accordance with UGC D. O. No. F.16-11/2021 (HRDC/IGNOU) date 10 March, 2022 granting approval to IGNOU-STRIDE equivalent programmes.

Back Side of Every Certificate


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