

**UGC-Approved
Short-Term Capacity Building
Programme (CBP) on:**

“Data Mining for Research”

**27th -28th Sept., 2022
(Through online mode)**

Report

Organised by:

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

प्रो. संतोष पांडा
निदेशक, स्ट्राइड, इग्नू, नई दिल्ली-110068
Prof. Santosh Panda
Director, STRIDE, IGNOU, New Delhi-110068



29/11/2023

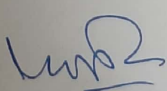
Title: UGC-Approved Short-Term Capacity Building Programme (CBP) on:
"Data Mining for Research" (Through online mode)

Programme Coordinators

- Dr Hemlata Baghel, Assistant Professor, STRIDE, IGNOU
- Prof. Anita Priyadarshini, Professor, STRIDE, IGNOU,

Date: 27th -28th Sept., 2022



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Introduction: STRIDE has conducted 2-days Capacity Building Programme on Data Mining for Research for Teachers and Academics of IGNOU, who wish to deepen their understanding on Data Mining tools, techniques and process which allows to analyses data and find hidden patterns and information. Data mining is used to detect patterns and relationships in data to improve decision-making processes. It is an interdisciplinary area that brings together techniques from statistics, artificial intelligence, neural networks, database systems, machine learning, pattern recognition, data visualization, knowledge acquisition and information theory. This 2-days Capacity Building Programme is designed to familiarize teachers and academics with the application of data mining for research.

Specific Learning Outcomes of the Programme were:

- To explain the basic concepts of data mining and its significance in research.
- To describe the process and techniques of data mining.
- To describe the most suitable methods of data mining for blended mode for research.
- To apply data mining for research in different discipline.

Participants

19 Teachers and Academics from IGNOU were participated in the 2-days Capacity Building Programme.

Methodology

The methodology of the CBP based on achievement of learning outcomes through presentations, activities, reflections and finally evaluation. The guidelines of UGC-HRDC followed so that CBP had interactive and focused.

Duration

The Two-days CBP was conducted from 27 to 28 September, 2022 through online mode.

Resource Persons

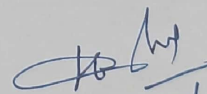
The resource persons were from IGNOU and central University Delhi & Dr B.R. Ambedkar University Delhi.

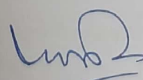
Activities

Applying data mining techniques to identify suitable activities by the participants and submit report

Assessment and Certification

The evaluation strategies for grading and certification included the following: holistic response (25), Presentation (15), Assignments (20), and MCQ (40) from a total score of 100 as per UGC HRDC Guidelines. Certificate issued to those who secure a minimum of 50% score out of 100.


29/11/2023




डॉ. हेमलता बघेल / Dr. Hemlata Baghel
सहायक प्रोफेसर / Assistant Professor
दूर शिक्षा स्टीफ प्रशिक्षण एवं अनुसंधान संस्थान
Prof. Santosh Panda
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Director, STRIDE, IGNOU, New Delhi-68

PROGRAMME 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 27/09/2022 Tuesday	S1: Inaugural Session: (10:00- 11:00AM) Welcome, Director, STRIDE	T E A	S2: Significance of data mining for research in blended mode Dr. Vinod Kumar Kanvaria, (University of Delhi)	L U N C H	S3: Process and techniques of data mining Dr. Pankaj Khare (Formerly IGNOU)	T E A	S4: Types of data mining in research and related activities Dr. S. K. Pulist (SRD, IGNOU)
Day 2 28/09/2022 Wednesday	S5: Use of ICT tools in data mining Dr. R.C. Sharma, (Ambedkar University Delhi)	B R E A K	S6: Application of data mining at IGNOU for systemic research Dr. Pankaj Khare (Formerly IGNOU)	B R E A K	S7A Presentation by participants S7B: Summative Assessment and feedback Prof. Anita Priyadarshini Dr. Hemlata Baghel (STRIDE)	B R E A K	S8: Valedictory Session

List of Participants

Sr. No.	Name	Designation	Name of Schools/ Regional Centres
1	Prof. REKHA SHARMA SEN प्रो. रेखा शर्मा सेन	Professor & Director आचार्य एवं निदेशक	SOCE
2	Dr. RICHA PRAKASH डॉ. रूचा प्रकाश	Assistant Professor सहायक प्राध्यापक	SOCE
3	Dr. BIPLAB JAMATIA डॉ. बिपलब जमातिया	Associate Professor सह आचार्य	SOHS
4	Dr. REETA DEVI डॉ. रीता देवी	Assistant Professor सहायक प्राध्यापक	SOHS
5	Dr. PADMINI JAIN डॉ. पद्मिनी जैन	Assistant Professor सहायक प्राध्यापक	SOJNMS
6	Dr. RAM CHANDRA डॉ. राम चन्द्र	Assistant Professor सहायक प्राध्यापक	STRIDE
7	Prof. RUCHIKA KUBA प्रो. रुचिका कुबा	Professor & Director आचार्य एवं निदेशक	SOHS
8	Prof. K.S. ARUL SELVAN प्रो. के. एस. अरुल सेलवान	Professor & Director आचार्य एवं निदेशक	SOJNMS
9	Dr. SUDHANSH SHARMA डॉ. सुधांशु शर्मा	Assistant Professor सहायक प्राध्यापक	SOCIS


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 R.T.I., Maidan Ganga
 29/09/2023

10	Dr. NEEL KAMAL SARAN डॉ. नील कमल शरण	Assistant Professor सहायक प्राध्यापक	SOE
11	MS. URSHLA KANT सुश्री उर्शला कान्त	Assistant Professor सहायक प्राध्यापक	SOVET
12	Dr. DEEKSHA DAVE डॉ. दीक्षा दवे	Assistant Professor सहायक प्राध्यापक	SOITS
13	Dr. K. SASICOMAR BRUMOT डॉ. के. ससिकुमार ब्रूमो	Assistant Regional Director सहायक क्षेत्रीय निदेशक	Regional Centre Nagpur
14	Dr. INDU RAVI डॉ. इंदु रवि	Assistant Regional Director सहायक क्षेत्रीय निदेशक	Regional Centre Jaipur
15	Dr. RITA CHAUHAN डॉ. रीता चौहान	Assistant Regional Director सहायक क्षेत्रीय निदेशक	Regional Centre Delhi 2
16	Dr. JAGDAMBA PRASAD डॉ. जागदम्बा प्रसाद	Assistant Regional Director सहायक क्षेत्रीय निदेशक	Regional Centre Dehradun
17	Dr RUPALI SRIVASTAVA डॉ. रुपाली श्रीवास्तव	Assistant Regional Director सहायक क्षेत्रीय निदेशक	Regional Centre -Jodhpur
18	Dr. EKTA SHARMA डॉ. एकता शर्मा	Assistant Regional Director सहायक क्षेत्रीय निदेशक	Regional Center Delhi -2
19	Dr. PRASEETHA UNNIKRISHNAN डॉ. प्रशीता उन्नीकृष्णन	Assistant Regional Director सहायक क्षेत्रीय निदेशक	Regional Centre Cochin

Brief about the Programme:

The Programme was inaugurated by Hon'ble Vice Chancellor Prof. Nageshwar Rao. He emphasized the importance of Data Mining Programme for Research in various disciplines. He has inculcated the example of IGNOU NEP-PDP Programme for 15 Lakh teachers by using SSS (SAMARTH, SWAYAM and SWAYAM Prabha) three Government Sponsored Scheme. He suggested look at the successful story of management Programme and identified the what type of requirement of students, difficulties faced in completion of the programme by getting data. It will be very useful for successful conduction of every programme. 19 participants Teachers and Academics from IGNOU are attending. Prof. Santosh Panda, Director STRIDE, heartly welcomed all the guests, participants, faculty members for the two-day CBP (Capacity Building Programme). He highlighted the importance of Data Mining for Research in ODL system. Dr Hemlata Baghel Programme Coordinator highlighted the overview of the workshop with objectives, design and areas covered. She has explained the design of the workshop to participants and assured them of a learning experience provided in this workshop through both the theory and practical session to carry out successful Data Mining for Research and overcome potential challenges. The session concluded with a vote of thanks by Programme Coordinator Prof. Anita Priyadarshini, STRIDE. She expressed gratitude to all who contributed for the realization of the CBP Programme.

The valedictory address was delivered by Dr. Manroop Singh Meena, Hon'ble Pro Vice Chancellor, IGNOU. Speaking on the occasion, Dr Meena complemented STRIDE for organizing Capacity Building Programme on the theme of Data Mining. He said that analysis of data was the need of the hour and such programmes would help in better understanding the profile of the learners and making the system work in a more efficient and learner friendly manner. During the deliberations the participants made presentations

Dr. Hemlata Baghel
सहायक प्रोग्राम कोऑर्डिनेटर (Anita Priyadarshini)
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on the use of data mining for research related to programmes and learners support services. During this programme, Prof. Santosh Panda, Director STRIDE, delivered the welcome address and highlighted the importance of Data Mining for Research in ODL system. Dr Hemlata Baghel Programme Coordinator outlined the objectives and design of the CBP. She informed that 19 participants are attending this programme. The vote of thanks was presented by Prof. Anita Priyadarshini, Programme Coordinator.

IGNOU UNIVERSITY

SHORT TERM CAPACITY BUILDING PROGRAMME
'Data Mining for Research'
 (Through online mode)
 27-28 September, 2022

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Staff Training and Research Institute of Distance Education (STRIDE)
INDIRA GANDHI NATIONAL OPEN UNIVERSITY (IGNOU)

Participants Teachers and Academicians from IGNOU

Training outcomes of the Programme

- To explain the basic concepts of data mining and its significance in research.
- To describe the process and techniques of data mining.
- To describe the types of data mining through blended mode for research purpose.
- To apply data mining for research in different disciplines.

Prof. Nageshwar Rao
 Hon'ble Vice Chancellor, IGNOU

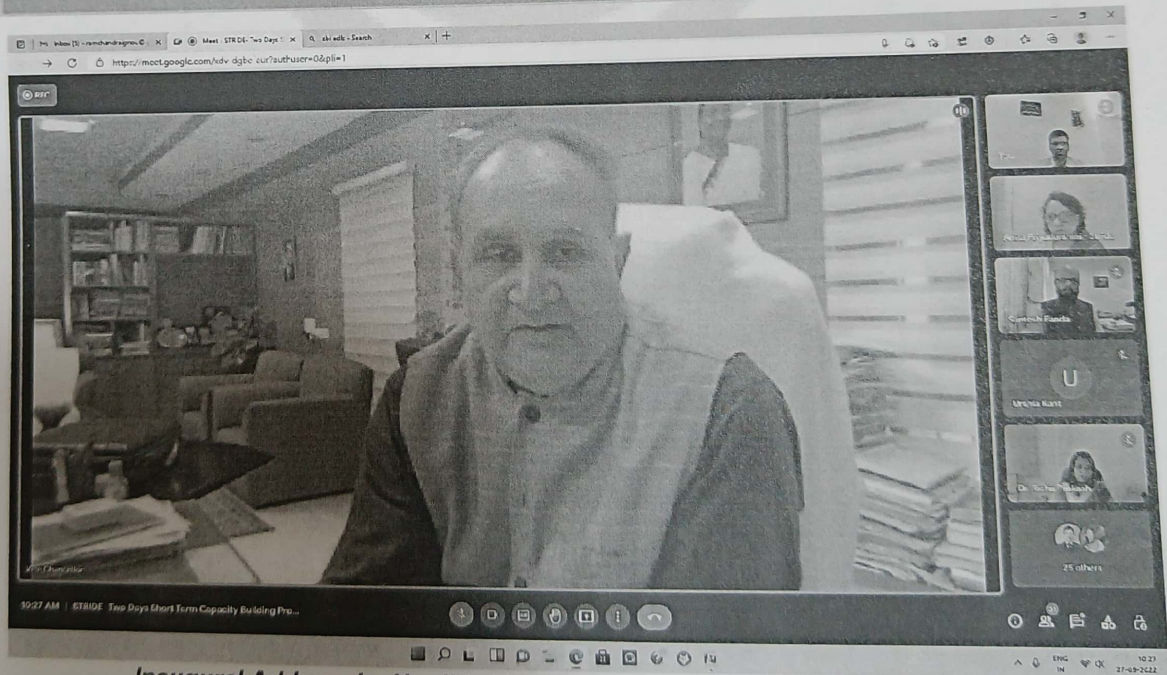
Prof. Santosh Panda
 Director, STRIDE

Prof. Hemlata Singh Meena
 Hon'ble Pro Vice Chancellor,

Prof. Anita Priyadarshini
 Programme Coordinator

Dr. Hemlata Baghel
 Programme Coordinator

Contact
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Inaugural Address by Hon'ble Vice Chancellor, Prof. Nageshwar Rao

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