

# All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: [www.aicte-india.org](http://www.aicte-india.org)



## STTP- Sanction Letter

Ref. No. 34-66/143/FDC/STTP/Policy-1/2019-20

Date 10 AUG 2020

From

Director,  
Faculty Development Cell,  
AICTE, New Delhi-110070

To

The Drawing and Disbursing Officer,  
All India Council for Technical Education,  
Nelson Mandela Marg,  
Vasant Kunj, New Delhi – 110070

**Sub:** Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2019-20 during the financial year 2020-21- reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 258333 /-** (**Rupees Two Lakh FiftyEight Thousand Three Hundred ThirtyThree Only**) for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / Institution	GURU NANAK DEV ENGINEERING COLLEGE GILL PARK, GILL ROAD, LUDHIANA Punjab 141006
2.	Permanent ID of Institute	1-3286931
3.	Institute type	Govt aided
4.	Name of Coordinator	Dr. KIRAN BAINS
5.	Amount sanctioned	Rs. 258333/-
6.	Amount to be released	Rs.258333/- Full & final payment
7.	Head of account	<b>601.15(a) Gen. Short Term Training Programme (Plan)</b>
8.	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Artificial Intelligence and Machine Learning with Data Science

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.
3. The Principal of the Institute and the Coordinator of the Program are requested to verify the correctness of the under-mentioned Bank Account / RTGS Details submitted by them alongwith the proposals, in which the grant is being released:-

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	IFSC Code
AAATN19 ✓ 78L	PUNJAB ✓ AND SIND BANK	Gill ✓	Gill, ✓ Ludhiana	Principal ✓	Saving ✓ Account	00211000050614 ✓	PSIB0000002 ✓ 1

### Instructions/Guidelines to be followed by the University/Institution

#### I. Disbursement of funds to University/Institutions

- cccc. The full amount of the grant sanctioned is being released as advance to the University/Institute.
- b. The amount spent by the institute on the conduct of STTP shall be adjusted on the basis of utilization certificate and detailed expenditure statement submitted by the University/Institution on the prescribed format along with other mandatory documents viz feedback form, copy of proceedings and completion report etc.
- dddd. The above said amount of grant shall be refunded back to AICTE if the Letter of Approval (LOA) / Extension of Approval (EOA) is not issued by AICTE to the institute for the academic year 2020-21.

#### II Maintenance of Accounts

- The Institute shall strictly follow the provisions laid down in the scheme document as available on the portal.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The grant is intended to cover items of expenditure connected with the Short Term Training Programme such as Boarding & Lodging to the participants, TA to outstation participants, Honorarium to Course Coordinator, reading material to participants, Honorarium to resource persons, TA/DA to resource persons including two outstations resource persons & working expenses (reprographic services, postage, transport, daily wages, tea/coffee etc).

#### III. Conduct of test and issuance of certificate

A test shall be conducted by Program Monitoring Committee (PMC) at the end of the program and joint certificates shall be issued (by AICTE & conducting institute) to those participants who have attended the program and have scored minimum 60% marks in the test.

#### IV. Submission of Documents by the University/Institutions to AICTE

- The following mandatory relevant documents are required to be submitted by the University/Institution within one month of the completion of the program:-

- (i) ~~(xii)~~ Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Format for the same is available on AICTE web portal.

The University/Institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.

- (ii) Feedback form in the prescribed proforma.
  - (iii) Copy of the proceedings and completion report.
  - (iv) List of candidates who have successfully completed the program on the basis of the test conducted by Program Monitoring Committee (PMC).
  - (v) Report submitted by Program Monitoring Committee (PMC).
- b. The amount of the grant shall be adjusted on submission of utilization certificate & detailed expenditure statement by University/Institution. On receipt of these documents, the total amount of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid adjusted.

#### V. General instructions

- a. Preferably 10% of the participants may be industry professionals deputed by industry. Further, not more than 2 participants shall be from the host institution/group of institutions.
- b. The grant released/or part thereof, if remains unutilized for any reason after expiry of stipulated time period (for any reasons to include unspent amount, interest, penalty if imposed) shall be refunded back to AICTE in the form of RTGS payable to Member Secretary, AICTE, New Delhi. The bank details of AICTE are as under:-

Account No	: 55113199952
Name of the Account Holder	: Member Secretary, AICTE, New Delhi
Bank Name	: State Bank of India
Branch Name	: Shastri Bhawan, New Delhi
IFSC Code	: SBIN0050203

- c. The STTP is a residential program of a duration of six days with minimum 40 participants. The approved STTP shall be conducted within six months from the date of release of funds.
- d. If programme is not conducted within the period of six months of the release of the 100% grant, the released amount, alongwith interest accrued thereon, has to be necessarily returned back to AICTE within a month through RTGS.
- d. The expenditure under the Heads 'Honorarium to Course Coordinator' and 'Honorarium to Resource Persons' shall not exceed 1% & 20% respectively of the total sanctioned grant for the Programme. However, overall expenditure shall not exceed the funds sanctioned for the Programme.
- g. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.
- h. Any unavoidable circumstantial change in the program with respect to name of Project Coordinator, Venue and date for organizing STTP would mandatorily require prior approval of the Council. All such requests should be addressed to AICTE, in advance, recording the specific reasons for proposed changes, failing which the offer for the grant already issued would be treated as automatically withdrawn and the financial assistance released in favour of the beneficiary institution shall be refunded immediately to the Council. Kindly mention the File No. 34-66/143/FDC/STTP/Policy-1/2019-20 in your future correspondence.
- i. **Steering Committee/Project Monitoring Committee (PMC)** is required to be constituted at institutional level. The constitution of the PEC shall be as under:
- (i) Principal/Director/Registrar of the institution (Chairperson).
  - (ii) Coordinator of the program (Member Secretary).
  - (iii) Two HoDs and one subject expert (members).

The members of the said PMC shall not be below the rank of Associate Professor. A ~~test~~ conducted by Project Monitoring Committee (PMC) at the end of the program and the certificate issued to those participants who have attended the program and have qualified in the test. The minutes of the meetings, along with PMC report, are to be submitted to the Council at end of the program with other mandatory documents.

- j. **GoI GFR rules** (@<https://doe.gov.in/order-circular/general-financial-rules2017-0>) should be followed during utilization of grant.
- k. This Sanction Order may be treated as Offer Letter for all purposes.

**NOTE:- Any deviation from the above will invoke serious action against the Institute.**

Yours sincerely,

(Col. B Venkat)  
Director (FDC)

10 AUG 2020

Copy forwarded for information and necessary action to: -

1. **Name and Address of the Coordinator**  
Dr. KIRAN BAINS  
GURU NANAK DEV ENGINEERING COLLEGE  
GILL PARK, GILL ROAD, LUDHIANA  
Punjab141006
2. **The Registrar / Director / Principal**  
GURU NANAK DEV ENGINEERING COLLEGE  
GILL PARK, GILL ROAD, LUDHIANA  
Punjab141006
3. **Guard File**





Phone : 011-26131577 - 78, 80  
011-29581000  
Website : [www.aicte-india.org](http://www.aicte-india.org)



सत्यमेव जयते

अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक सार्वधिक निकाय)  
(मानव संसाधन विकास मंत्रालय, भारत सरकार)  
नेल्सन मंडेला मार्ग, वसंत कुंज, नई दिल्ली-110070

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**

(A Statutory Body of the Govt. of India)  
(Ministry of Human Resource Development, Govt. of India)  
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

14 Sept 2020

**Col. B. Venkat**  
**Director (FDC)**  
**E-mail: [director.fdc@aicte-india.org](mailto:director.fdc@aicte-india.org)**  
**Mob. No. 8130255472**

**Sub:-For information of AICTE approved institutes which have received grants for conducting STTP's/FDP's under AQIS 2019-20.**

Sir,

This is in reference to grants released by AICTE under AQIS 2019-20 for conduct of STTP's/FDPs. It is being observed that due to present circumstances of ongoing pandemic of COVID-19, most of Institutes are facing difficulties in organizing and conducting STTP's. This office has received a number of requests from various institute to allow on line method of conducting STTP/FDP to complete their commitments.

In this regard, it is to inform that all such institutes, which have already received grants for conducting STTP's/FDPs through prevailing contact mode, are **allowed to conduct STTP's through online mode subject to following conditions:**

- (i) The Institute will be allowed to adjust the grants received for STTP at following rates:-

a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 75000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
	<b>Total for each STTP's</b>	<b>Rs 93000.00</b>

- (ii) The Institute will conduct more than one STTP's in multiples of Rs. 93000.00 within the total grant received by it and shall return the balance unspent amount to AICTE.

e.g.

if an Institute has received grant for STTP	=Rs 3,00,000.00
Cost of three STTP	3x93000= Rs. 279000.00
<b>Balance</b>	<b>= Rs. 21,000.00</b>

The institute will return the balance unspent amount of Rs.21,000.00 alongwith interest earned on such amounts to AICTE while submitting UC for adjustment of accounts for keeping its eligibility for receiving grants in next AQIS.

- (iii) The institute will conduct all three STTP's as explained above on the same topic which has been approved by AICTE while releasing the grants.
- (iv) Firm dates for each program will be intimated to AICTE beforehand.

On similar lines FDP (02 week program) to be conducted online has the following approval totaling to Rs. 1,86,000.00.

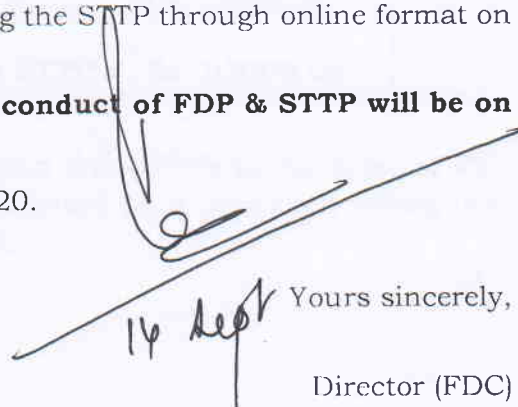
a.	Honorarium for Coordinator	Rs. 5000.00
b.	Honorarium to experts	Rs. 1,68,000.00
c.	Provision for payment to lab attendant engaged during lab practices	Rs. 3000.00
d.	miscellaneous charge	Rs. 10000.00
	<b>Total for each FDPs</b>	<b>Rs 1,86,000.00</b>

The conducting of FDP's (two weeks program) shall be subjected to the similar conditions (i) to (iv) given above for conduct STTP courses, except rates of Honorarium to experts.

You are requested to acknowledge receipt of above guidelines and convey your consent if your institute is ready for conducting the STTP through online format on conditions explained above.

**It is once again reiterated that online conduct of FDP & STTP will be on explicit permission of AICTE.**

This provision is valid only till 31 Dec 2020.

  
14 Sept Yours sincerely,  
Director (FDC)

**RESOURCE PERSONS**

Experts from different specializations will be delivering lectures in various sessions. Each session will be followed by interactive sessions on the subject matter. The resource persons constitute software professionals from the industry and experts from IIT's, NIT's and Panjab University Chandigarh.

**ELIGIBILITY**

The Faculty members of CSE/ IT/ Comp. App. / ECE/ EI/ EE Dept. of the AICTE approved institutions (Degree / Diploma) or participants from Government or Industry are allowed to join this STTP. There is **NO REGISTRATION FEE**. STTP will be conducted in online mode.

**COURSE EVALUATION**

- A test for the assessment of the course will be conducted at the end of the programme.
- The certificates will be issued to those participants who have attended the programme and the test successfully.

**HOW TO APPLY**

Registration is required for participating in this course. Applicants should fill the registration form only in online mode available at:

<https://forms.gle/zRaBULjjXHeFTkZc8>

**IMPORTANT DATES**

Last Date for Receipt of Application: 8<sup>th</sup> Dec, 2020

Intimation of Acceptance: 10<sup>th</sup> Dec., 2020

STTP Dates: Dec. 14<sup>th</sup> to Dec. 19<sup>th</sup>, 2020

Inauguration: 9:30 A.M. on Dec 14<sup>th</sup>, 2020

**CONTENTS**

- Principles, applications, trends, and pertinent issues of Artificial Intelligence, Machine Learning and Data Science.
- Data Visualization and Analytics.
- Modelling based on Machine Learning and Data Science to diverse range of operations such as Banking and Natural Language Processing.
- AI to Engineering Systems and Resource constrained Devices.
- Hands on Sessions on IBM Watson and other tools.

# ONE WEEK SHORT TERM TRAINING PROGRAMME (STTP)

On  
Artificial Intelligence and Machine Learning with  
Data Science (AIMLDS-2020)

**14<sup>th</sup> to 19<sup>th</sup> December, 2020**

**ONLINE MODE**



**Sponsored by**

**All India Council for Technical Education,  
New Delhi**



**Organized by**

**Department of Information Technology  
Guru Nanak Dev Engineering College,  
Ludhiana – 141006, Punjab, India  
Website: <http://www.gndec.ac.in>**

## ABOUT THE COURSE

One week Short Term Training Programme (STTP) intends to conduct faculty training through financial assistance from AICTE under Quality Improvement Scheme (AQIS), to enable faculty members in the field of technical education to introspect and learn techniques that can help prepare students for active and successful participants in a knowledge society. The objective of this course is to aware the users about the contemporary capabilities of the machine learning and data science in the diverse range of applications. The focus of the course is on imparting the technical training on the Artificial Intelligence (AI) and data analytical techniques. Machine Learning (ML) methods may be exploited to extract information and gain the knowledge from the data, in addition to the prediction of the future trends. Data Science (DS) deals with big or medium scale data and contemplates data analytical operations. A data scientist usually collects and analyze data from multiple and fused sources and exploits algorithms based on machine learning to extract imperative information. The capabilities of machine learning and data science enable wide range of public, private and Government agencies for explaining various events, predicting outcomes, and planning strategies. Taking into consideration of the inter-disciplinary approach, this STTP has been designed by Department of IT (GNDEC, Ludhiana), to highlight the domains of research as well as applications connected with artificial intelligence, machine learning and data science.

## ABOUT GNDEC

Guru Nanak Dev Engineering College, Ludhiana (An Autonomous College under UGC Act), established in 1956, oldest and premier institute of Punjab, is providing education in the field of engineering by comprehending the need for up-liftment of rural youth in highly competitive, technologically-elevated society, in particular, and understanding the thirst for knowledge of students and quenching it in general. The College has been declared an Autonomous College by UGC, New Delhi in 2012. This college has the privilege of starting Ph.D. degree under Quality Improvement Programme (QIP) by AICTE, New Delhi. Apart from offering various Accredited graduate level B.Tech. courses vis-a-vis Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Production Engineering, Information Technology; the institute imparts eleven Postgraduate M.Tech. courses both on regular and part time basis. An excellent platform is provided to the researchers leading to Ph.D. program.

## ABOUT DEPARTMENT OF INFORMATION TECHNOLOGY

Department of Information Technology was established in 2001. Since its inception, the department has contributed in a big way to the society by providing technical manpower for various fields in India and abroad. Graduates and post graduates from the department are settled in very good positions all over the Globe. At present, the department is proud to get best merit students in the region. The faculty of the department continues to provide new frontiers of technical knowledge to the students by imparting quality education and research. The UG course is NBA accredited and is keeping pace with the latest developments in engineering education.

### PATRON

Dr. Sehijpal Singh, Principal  
Guru Nanak Dev Engineering College, Ludhiana

### PROJECT MONITORING COMMITTEE

Chairperson: Dr. Sehijpal Singh  
Member Secretary: Dr. Kiran Jyoti  
Members: Dr. Parminder Singh,  
Dr. Kulvinder S. Mann, Prof. Ameeta Seehra

### FACULTY COORINATOR

Dr. Kiran Jyoti, Head of the Department

### COURSE COORDINATORS

Sandeep Kumar Singla, Assistant Prof. (IT)

E-mail: [sandeepsingla@gndec.ac.in](mailto:sandeepsingla@gndec.ac.in)

Mobile: +91 9876150140

Dr. Pankaj Bhambri, Assistant Prof. (IT)

E-mail: [pkbhambri@gndec.ac.in](mailto:pkbhambri@gndec.ac.in)

Mobile: +91 9814828414

### ORGANIZING COMMITTEE

Faculty and Staff, Department of Information Technology, GNDEC, Ludhiana



**AICTE Sponsored STTP on “Artificial Intelligence and Machine Learning with Data Science” AIMLDS-2020**  
**(One Week) 14th December to 19th December, 2020 (Online Mode) (Phase-2)**  
**Organized by: Department of Information Technology, Guru Nanak Dev Engineering College (GNDEC), Ludhiana**

<b>Day/Time</b>	<b>9:30 AM - 11:00 AM</b>	<b>11:15 AM -12:45 PM</b>	<b>2:00 PM - 3:30 PM</b>
<b>14.12.2020</b> <b>Monday</b>	<b>Registration + Inaugural Session</b>  <b>Dr. Deepak Garg,</b> <b>Professor and Head CSE,</b> <b>Bennett University, Noida</b>	<b>Session – 2</b> <i>AI : Research Challenges</i> <b>Dr. Deepak Garg,</b> <b>Professor and Head CSE,</b> <b>Bennett University, Noida</b>	<b>Session – 3</b> <i>Mathematics behind Machine Learning</i> <b>Dr. Sanjeev Kumar,</b> <b>Associate Professor, Department of</b> <b>Mathematics</b> <b>IIT Roorkee</b>
<b>15.12.2020</b> <b>Tuesday</b>	<b>Session – 4</b> <i>Classification Algorithms for ML</i> <i>(Hands-on Session)</i> <b>Dr. Sarbjeet Singh,</b> <b>Professor, Department of CSE,</b> <b>UIET, Panjab University, Chandigarh</b>	<b>Session – 5</b> <i>Clustering Algorithms for ML</i> <i>(Hands-on Session)</i> <b>Dr. Sarbjeet Singh,</b> <b>Professor, Department of CSE,</b> <b>UIET, Panjab University, Chd.</b>	<b>Session - 6</b> <i>Adding Intelligence to Engineering Systems</i> <b>Dr. Jitender K. Chhabra,</b> <b>Professor, Department of Computer Engg.</b> <b>NIT Kurukshetra</b>
<b>16.12.2020</b> <b>Wednesday</b>	<b>Session – 7</b> <i>Data Analytics using Hive</i> <i>(Hands-on Session)</i> <b>Er. Vipin Gupta</b> <b>U. Net Solutions, Moga</b>	<b>Session – 8</b> <i>Data Analytics using HBase</i> <i>(Hands-on Session)</i> <b>Er. Vipin Gupta</b> <b>U. Net Solutions, Moga</b>	<b>Session – 9</b> <i>Data Visualization &amp; Analysis using ORANGE</i> <b>Dr. Amit Kamra,</b> <b>Assistant Professor, IT Dept.</b> <b>GNDEC Ludhiana</b>
<b>17.12.2020</b> <b>Thursday</b>	<b>Session – 10</b> <i>Recent Applications of Deep Learning</i> <b>Dr. Partha Pratim Roy,</b> <b>Associate Professor, Department of CSE,</b> <b>IIT Roorkee</b>	<b>Session – 11</b> <i>Deep Learning with Tensorflow</i> <i>(Hands-on Session)</i> <b>Er. Ishant Kumar,</b> <b>Auribises Technologies Pvt Ltd., Ldh.</b>	<b>Session – 12</b> <i>Stress and Conflict Management: the way to</i> <i>Resilience and Satisfaction</i> <b>Dr. Pankaj Bhambri</b> <b>Assistant Professor, IT Dept.</b> <b>GNDEC Ludhiana</b>
<b>18.12.2020</b> <b>Friday</b>	<b>Session – 13</b> <i>Disruptive applications of AI in various</i> <i>industries with use cases &amp; scientific</i> <i>solutions</i> <b>Er. Navjot Singh Tung,</b> <b>Associate Manager, AlertEnterprise</b>	<b>Session – 14</b> <i>Modern day methods of anomaly detection</i> <i>and their use in security industry</i> <i>(Hands-on Session)</i> <b>Er. Navjot Singh Tung,</b> <b>Associate Manager, AlertEnterprise</b>	<b>Session – 15</b> <i>Spatial Data Science – the importance of ‘where’</i> <b>Dr. Sukhjit Singh Sehra</b> <b>Director, Sabudh Foundation.</b> <b>Mohali</b>
<b>19.12.2020</b> <b>Saturday</b>	<b>Session – 16</b> <i>Machine Learning for Urban Computing</i> <b>Dr. Durga Toshniwal</b> <b>Professor, Department of CSE,</b> <b>IIT Roorkee</b>	<b>Session – 17</b> <i>Natural Language Processing with Deep</i> <i>Learning</i> <b>Dr. Vipul Kumar Mishra,</b> <b>Assistant Professor, Department of CSE,</b> <b>Bennett University, Noida</b>	<b>Session – 18</b>  <b>Feedback + Test + Valedictory Function</b>

### List of Successful Participants

Salutation	Name of the Participant	Designation	Institute/Organization
Dr.	ANKUR BISWAS	Assistant Professor	TRIPURA INSTITUTE OF TECHNOLOGY
Mr.	AMIT DOEGAR	Assistant Professor	NITTTR, CHANDIGARH
Mr.	AMIT KUMAR	Assistant Professor	PUNJAB INSTITUTE OF MANAGEMENT & TECHNOLOGY (PIMT), ALOUR, KHANNA
Mrs.	AMMU V	Assistant Professor	BUILDERS ENGINEERING COLLEGE
Er.	ANAM BANSAL	Assistant Professor	CENTRAL UNIVERSITY OF PUNJAB, BATHINDA
Er.	ASEM DEBALA CHANU	Assistant Professor	GULZAR GROUP OF INSTITUTES, KHANNA
Mr.	D. YOBU	Assistant Professor	KURINJI COLLEGE OF ENGINEERING AND TECHNOLOGY
Ms.	BANSARI KOTECHA	Lecturer	C U SHAH UNIVERSITY, WADHWAN
Ms.	B. DHANALAKSHMI	Assistant Professor	DR. N.G.P INSTITUTE OF TECHNOLOGY
Dr.	ANU BALA	Assistant Professor	MULTANI MAL MODI COLLEGE, PATIALA
Er.	SURINDER SINGH RAJPAL	Assistant Professor	CHAMELI DEVI GROUP OF INSTITUTIONS, INDORE
Ms.	KIRAN ARORA	Assistant Professor	BHSBIET, LEHRAGAGA
Mrs.	GURJOT KAUR	Assistant Professor	AKAL GROUP OF TECHNICAL AND MANAGEMENT INSTITUTIONS, MASTUANA SAHIB SANGRUR
Er.	GURNEET KAUR	Lecturer	BHSBIET, LEHRAGAGA
Er.	HANIT KARWAL	Assistant Professor	GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
Mr.	HARSHA PRAKASH S T	Manager	EXL SERVICES
Mr.	KARTHIKEYAN M P	Assistant Professor	SRI RAMAKRISHNA COLLEGE OF ARTS AND SCIENCE
Er.	KIRANJEET KAUR	Assistant Professor	GULZAR GROUP OF INSTITUTES, KHANNA
Dr.	KAMARUR ZAMAN MOLLA	Associate Professor	CHITKARA UNIVERSITY
Dr.	M LAVANYA	Associate Professor	SREE VIDYANIKETHAN ENGINEERING COLLEGE
Dr.	MUNISH KUMAR	Assistant Professor	MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY
Dr.	NAZIA WAHID	Assistant Professor	VISHWAKARMA UNIVERSITY, PUNE

Mrs.	NEHAL PATEL	Assistant Professor	CSPIT, CHARUSAT
Mr.	N FIRASATH TAMEEM	Assistant Professor	ISLAMIAH COLLEGE
Ms.	NISHAT SHAIKH	Assistant Professor	CSPIT , CHARUSAT UNIVERSITY
Dr.	MUDDAPU PARVATHI	Professor	BVRIT HYDERABAD COLLEGE OF ENGINEERING FOR WOMEN
Mr.	PRADEEP S.	Assistant Professor	BMS COLLEGE OF ENGINEERING
Mrs.	PREETI T	Assistant Professor	KLE TECHNOLOGICAL UNIVERSITY, HUBBALLI
Mrs.	PRIYADARSHINI D KALWAD	Assistant Professor	KLE TECHNOLOGICAL UNIVERSITY, HUBLI
Mrs.	K RAMA DEVI	Assistant Professor	VAAGDEVI COLLEGE OF ENGINEERING
Mr.	RAVI PATEL	Assistant Professor	SHANKALCHAND PATEL COLLEGE OF ENGINEERING
Mrs.	RITA BANIK	Assistant Professor	ICFAI UNIVERSITY, TRIPURA
Mr.	RAJESH KUMAR MAURYA	Assistant Professor	SVKM'S UPG COLLEGE OF ASC
Dr.	RUPESH KUMAR GAUTAM	Professor	MM SCHOOL OF PHARMACY, MM UNIVERSITY, SADOPUR-AMBALA
Er.	RUPINDER KAUR	Assistant Professor	GURU NANAK DEV ENGINEERING COLLEGE, LUDHIANA
Mr.	Mr.K.SATHISH	Assistant Professor	SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES,CHITTOOR
Dr.	SHYAMALA C	Assistant Professor	K. RAMAKRISHNAN COLLEGE OF TECHNOLOGY
Er.	AMANDEEP SINGH BHANDARI	Assistant Professor	PUNJABI UNIVERSITY, PATIALA
Mrs.	SIVASAKTHI S	Assistant Professor	G .VENKATASWAMY NAIDU COLLEGE
Er.	SONIKA	Lecturer	BHSBIET, LEHRAGAGA
Ms.	KIRUTHIKA S	Assistant Professor	K. RAMAKRISHNAN COLLEGE OF TECHNOLOGY TRICHY
Mr.	SURAJ CHAVAN	Assistant Professor	MKSSS'S CUMMINS COLLEGE OF ENGINEERING FOR WOMEN
Mrs.	SWATI RAJESHKUMAR MAURYA	Assistant Professor	S K SOMAIYA COLLEGE, SOMAIYA VIDYAVIHAR UNIVERSITY
Ms.	TEJASWINI RAMESH SHINDE	Lecturer	PIMPRI CHINCHWAD POLYTECHNIC

Ms.	UMA MAGESHWARIS	Assistant Professor	K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY
Ms.	VAIDEHI KRUNAL PATEL	Lecturer	INDUS UNIVERSITY
Mrs.	VEERPAL KAUR	Assistant Professor	AKAL DEGREE COLLEGE, MASTUANA, SANGRUR
Mr.	VIGNESH D	Assistant Professor	ISLAMIAH COLLEGE
Mr.	ANANT RAJ I	Assistant Professor	K. RAMAKRISHNAN COLLEGE OF TECHNOLOGY
Ms.	MANDEEP KAUR CHOHAN	Assistant Professor	DIS MOHALI
Mr.	ANIS PANKHANIA	Industry Professional	CAPGEMINI
Mr.	MOHIT BHAYANA	Assistant Professor	CHITKARA UNIVERSITY
Dr.	KHYATI SHRIVASTAV	Assistant Professor	NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY NEW DELHI
Dr.	HARPAL SINGH	Associate Professor	DEPARTMENT OF AGRICULTURE BABA FARID COLLEGE, BATHINDA
Mr.	SIDRAMAPPA S MALIPATIL	Lecturer	S.S.K.BASAVESHWAR UG & PG COLLEGE, BASAVAKALYAN
Dr.	ARULMURUGAN	Associate Professor	VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH (DEEMED TO BE UNIVERSITY)



## **Report of Steering Committee/ Project Monitoring Committee (PMC)**

It is submitted that a Short Term Training Programme (STTP) was conducted under AQIS 2019-20 on the title “Artificial Intelligence and Machine Learning with Data Science” (Ref. No. 34-66/143/FDC/STTP/Policy-1/2019-20 dated 10<sup>th</sup> August 2020). This programme conducted by the Department of Information Technology, Guru Nanak Dev Engineering College, Ludhiana during 14<sup>th</sup> December to 19<sup>th</sup> December 2020 through ZOOM App was:

1. Well planned in terms of Resources. ZOOM App (subscription of the college) was used for the conduct of this programme. The sessions were recorded and uploaded on GNDEC YouTube Channel and also preserved on the Hard Disk.
2. There was proper coverage of the programme in news reports.
3. The resource persons of the programme were from: IIT Roorkee, NIT Kurukshetra, Sabudh Foundation, Auribises Technologies, Panjab University Chandigarh, Bennett University Noida, GNDEC Ludhiana and Unet Solutions Moga
4. Participants from approximately all state of the nation participated in this programme.
5. The interactions of our team with the participants disclosed that the participants were highly satisfied in terms of content delivery of the programme.
6. The test was conducted in the presence of PMC members and there was complete discipline and environment of examination system. The link of examination was closed at proper timing and immediate scores were released among the participants, after the examination.
7. E-Certificates were issued to those candidates who have scored more than 60% in the evaluation with name and logo of both AICTE and the Institute.
8. In the valedictory function, the open feedback by some of the participants disclosed that the programme on “Artificial Intelligence and Machine Learning with Data Science” was: i) need of the participants, ii) Delivery by resource persons was highly satisfactory. The programme was organized in college hours through online mode.

*Dr. Parminder Singh*  
Member

*Prof. Ameeta Seehra*  
Member

*Dr. Kulvinder S. Mann*  
Member

*Dr. Kiran Jyoti*  
Member Secretary

*Principal of the Institution*  
Chairperson

# ‘ਆਰਟੀਫੀਸ਼ੀਅਲ ਇੰਟੈਲੀਜੈਂਸ ਐਂਡ ਮਸ਼ੀਨ ਲਰਨਿੰਗ ਵਿਦ ਡਾਟਾ ਸਾਇੰਸ’ ਵਿ



ਟ੍ਰੇਨਿੰਗ ਪ੍ਰੋਗਰਾਮ ਵਿਚ ਹਿੱਸਾ ਲੈਂਦੇ ਹੋਏ ਮਾਹਿਰ।

ਲੁਧਿਆਣਾ, 15 ਦਸੰਬਰ (ਵਿੱਕੀ)- ‘ਆਰਟੀਫੀਸ਼ੀਅਲ ਇੰਟੈਲੀਜੈਂਸ ਐਂਡ ਮਸ਼ੀਨ ਲਰਨਿੰਗ ਵਿਦ ਡਾਟਾ ਸਾਇੰਸ’ ਵਿਸ਼ੇ ‘ਤੇ ਇਕ ਹਫ਼ਤੇ ਦੇ ਏ. ਆਈ. ਸੀ. ਟੀ. ਈ. ਦੇ ਹੋਏ ਆਨਲਾਈਨ ਸ਼ਾਰਟ ਟਰਮ ਟ੍ਰੇਨਿੰਗ ਪ੍ਰੋਗਰਾਮ ਦਾ ਉਦਘਾਟਨ ਅੱਜ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਇੰਜੀਨੀਅਰਿੰਗ ਕਾਲਜ ਦੇ ਇਨਫਰਮੇਸ਼ਨ ਟੈਕਨਾਲੋਜੀ ਵਿਭਾਗ ਵੱਲੋਂ ਕੀਤਾ ਗਿਆ।

ਇਸ ਮੌਕੇ ਡਾ. ਕਿਰਣ ਜੋਤੀ, ਫੈਕਲਟੀ ਕੋ-ਆਰਡੀਨੇਟਰ (ਐਸ. ਟੀ. ਟੀ. ਪੀ.) ਅਤੇ ਮੁਖੀ,

ਇਨਫਰਮੇਸ਼ਨ ਟੈਕਨਾਲੋਜੀ ਵਿਭਾਗ ਨੇ ਦੱਸਿਆ ਕਿ ਇਸ ਪ੍ਰੋਗਰਾਮ ਨੂੰ ਚਲਾਉਣ ਦਾ ਮਕਸਦ ਮਸ਼ੀਨ ਲਰਨਿੰਗ ਅਤੇ ਡਾਟਾ ਸਾਇੰਸ ਦੀ ਸਮਕਾਲੀ ਸਮਰਥਾਵਾਂ ਲਈ ਫੈਕਲਟੀ ਅਤੇ ਰਿਸਰਚ ਸਕਾਲਰਾਂ ਦੇ ਵਿਚ ਜਾਗਰੂਕਤਾ ਲਿਆਉਣਾ ਹੈ। ਪ੍ਰੋ. ਸੰਦੀਪ ਕੁਮਾਰ ਸਿੰਗਲਾ ਅਤੇ ਡਾ. ਪੰਕਜ ਭਾਂਬਰੀ ਇਸ ਐਸ. ਟੀ. ਪੀ. ਦੇ ਕੋਰਸ ਕੋਆਰਡੀਨੇਟਰ ਰਹੇ। ਇਸ ਦੌਰਾਨ ਪ੍ਰੋ. ਸਿੰਗਲਾ ਨੇ ਇਸ ਪ੍ਰੋਗਰਾਮ ਦਾ ਵੇਰਵਾ ਸਾਂਝਾ ਕੀਤਾ ਅਤੇ ਦੱਸਿਆ ਕਿ ਇਹ ਇਕ ਰਾਸ਼ਟਰੀ ਪੱਧਰ ਦੀ ਈਵੈਂਟ ਹੈ ਅਤੇ 250 ਤੋਂ ਜ਼ਿਆਦਾ ਬਿਨੈਕਰਤਾਵਾਂ ਨੇ

ਇਸ ਪ੍ਰੋਗਰਾਮ ਵਿਚ ਹਿੱਸਾ ਲੈਣ ਦਿੱਤੀਆਂ ਹਨ, ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਮੁਹੱਈਆ ਦਿਸ਼ਾ-ਨਿਰਦੇਸ਼ਾਂ ਮੁਤਾਬਕ ਦੇਸ਼ ਦੇ ਸਾਰੇ ਇਲਾਕਿਆਂ ਤੋਂ 90 ਪ੍ਰਤੀਭਾਗ ਸ਼ਾਰਟਲਿਸਟ ਕੀਤੇ ਗਏ ਹਨ।

ਡਾ. ਭਾਂਬਰੀ ਨੇ ਇਸ ਦੌਰਾਨ ਦੱਸਿਆ ਕਿ ਉਦਯੋਗ ਦੇ ਪੇਸ਼ਾਵਰਾਂ ਦੇ ਨਾਲ ਵੱਖ-ਵੱਖ ਡਿਗਰੀ ਅਤੇ ਡਿਪਲੋਮਾ ਪੱਧਰ ‘ਤੇ ਫੈਕਲਟੀ ਇਸ ਪ੍ਰੋਗਰਾਮ ਵਿਚ ਹਿੱਸਾ ਲੈ ਰਹੇ ਹਨ ਆਈ. ਆਈ. ਟੀ. /ਐੱਨ. ਆਈ. ਟੀ. ਅਤੇ ਉਦਯੋਗ ਦੇ ਪ੍ਰੋਫੈਸ਼ਨਲਾਂ ਜਿਵੇਂ ਪ੍ਰਸਿੱਧ ਸੰਸਥਾਵਾਂ ਦੇ ਡਾ. ਸਰਬਜੀਤ ਸਿੰਘ (ਪੰਜਾਬ ਯੂਨੀਵਰਸਿਟੀ ਚੰਡੀਗੜ੍ਹ), ਜਤਿੰਦਰ ਕੇ. ਛਾਬੜ (ਐੱਨ. ਆਈ. ਟੀ., ਗੁਰੂਕਸ਼ੇਤਰ ਵਿਪਿਨ ਗੁਪਤਾ (ਯੂਨਿ ਸੋਲਿਊਸ਼ਨਜ਼), ਡਾ. ਪਾਰਬ ਪ੍ਰਤੀ ਰਾਏ (ਆਈ. ਆਈ. ਟੀ. ਰੁੜਕੀ) ਇਸ਼ਾਂਤ ਕੁਮਾਰ (ਓਰੀਥਿਸਿਸ ਟੈਕ ਨਵਜੋਤ ਤੁੰਗ (ਅਲਕ ਇਨਟਰਪ੍ਰਾਈਜ਼), ਡਾ. ਸੁਖਜੀ ਸੋਹਰਾ (ਸਾਬੁਦ ਫਾਊਂਡੇਸ਼ਨ, ਮੋਹਾਲੀ) ਡਾ. ਦੁਰਗਾ ਤੇਜਨੀਵਾਲ (ਆ ਆਈ. ਟੀ., ਰੁੜਕੀ) ਅਤੇ ਡਾ. ਵਿ. ਕੇ. ਮਿਸ਼ਰਾ (ਬੇਨੇਟ ਯੂਨੀਵਰਸਿ ਨੌਇਡਾ) ਆਦਿ ਪ੍ਰਸਿੱਧ ਸਿੱਖਿਆ ਅਤੇ ਪੇਸ਼ੇਵਰ ਇਸ ਆਨਲਾਈ

## ਜੀ.ਐਨ.ਡੀ.ਐੱਸ.ੀ. ਮੈਂ ਧੁਰੂ ਹੁਆਂ ਆਰਟਿਫਿਸ਼ਿਅਲ ਇੰਟੈਲੀਜੈਂਸ ਏਂਡ ਮਸ਼ੀਨ ਲਰਨਿੰਗ ਵਿਦ ਡਾਟਾ ਸਾਇੰਸ’ ਪਰ ਆਨਲਾਈਨ ਟ੍ਰੇਨਿੰਗ ਪ੍ਰੋਗਰਾਮ

ਲੁਧਿਆਣਾ, 15 ਦਿਸੰਬਰ (ਵਿੱਕੀ): ‘ਆਰਟਿਫਿਸ਼ਿਅਲ ਇੰਟੈਲੀਜੈਂਸ ਏਂਡ ਮਸ਼ੀਨ ਲਰਨਿੰਗ ਵਿਦ ਡਾਟਾ ਸਾਇੰਸ’ ਵਿਸ਼ੇ ਪਰ ਏਕ ਸਪਤਾਹ ਦੇ ਏ. ਆਈ. ਸੀ. ਟੀ. ਈ. ਪ੍ਰਾਯੋਜਿਤ ਆਨਲਾਈਨ ਸ਼ਾਰਟ ਟਰਮ ਟ੍ਰੇਨਿੰਗ ਪ੍ਰੋਗਰਾਮ (ਏਸ. ਟੀ. ਟੀ. ਪੀ.) ਦਾ ਉਦਘਾਟਨ ਅੱਜ ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਇੰਜੀਨੀਅਰਿੰਗ ਕਾਲੇਜ (ਜੀ.ਐਨ.ਡੀ.ਐੱਸ.ੀ.) ਦੇ ਇਨਫਰਮੇਸ਼ਨ ਟੈਕਨੋਲੋਜੀ ਵਿਭਾਗ ਦੁਆਰਾ ਕੀਤਾ ਗਿਆ।

ਇਸ ਅਵਸਰ ਪਰ ਡਾ. ਕਿਰਣਜੋਤੀ, ਫੈਕਲਟੀ ਕੋ-ਆਰਡੀਨੇਟਰ (ਏਸ. ਟੀ. ਟੀ. ਪੀ.) ਅਤੇ ਪ੍ਰਮੁੱਖ ਇਨਫਰਮੇਸ਼ਨ ਟੈਕਨੋਲੋਜੀ ਵਿਭਾਗ ਨੇ ਬਤਾਇਆ ਕਿ ਇਸ ਕਾਰਜਕ੍ਰਮ ਕੋ ਸੰਚਾਲਿਤ ਕਰਨੇ ਦਾ ਉਦੇਸ਼ ਮਸ਼ੀਨ ਲਰਨਿੰਗ ਆਰ ਡਾਟਾ ਸਾਇੰਸ ਦੀ ਸਮਕਾਲੀਨ ਖੁਸ਼ੀਆਂ ਦੇ ਲਿਓ ਫੈਕਲਟੀ ਆਰ ਰਲਸ ਸਕਾਲਰਾਂ ਦੇ ਬੀਚ ਜਾਗਰੂਕਤਾ ਲਾਨਾ ਹੈ।

ਪ੍ਰੋ. ਸੰਦੀਪ ਕੁਮਾਰ ਸਿੰਗਲਾ ਆਰ ਡਾ. ਪੰਕਜ ਭਾਂਬਰੀ ਇਸ ਏਸ. ਟੀ. ਪੀ. ਦੇ ਕੋਰਸ ਕੋ-ਆਰਡੀਨੇਟਰ ਰਹੇ। ਪ੍ਰੋ. ਸਿੰਗਲਾ ਨੇ ਬਤਾਇਆ ਕਿ ਏਕ ਰਾਸ਼ਟਰੀ ਸ਼ਰ ਦਾ ਇਵੈਂਟ ਹੈ ਆਰ 250 ਸੇ ਅਧਿਕ



ਟ੍ਰੇਨਿੰਗ ਪ੍ਰੋਗਰਾਮ ਮੈਂ ਭਾਗ ਲੇਤੇ ਹੁਏ ਵਿਸ਼ੇਸ਼ਤਾ।

ਅਵੇਦਕਾਂ ਨੇ ਇਸ ਕਾਰਜਕ੍ਰਮ ਮੈਂ ਭਾਗ ਲੇਨੇ ਦੇ ਲਿਓ ਅਵੇਦਨ ਕੀਤਾ ਹੈ ਜਿਨਮੇਂ ਸੇ ਰਾਸ਼ਟਰੀ ਦਿਸ਼ਾ-ਨਿਰਦੇਸ਼ਾਂ ਦੇ ਅਨੁਸਾਰ ਦੇਸ਼ ਦੇ ਸਮੇਂ ਖੇਤਰਾਂ ਸੇ 90 ਪ੍ਰਤਿਭਾਗੀ ਸ਼ਾਰਟਲਿਸਟ ਕੀਓ ਗਏ ਹੈਂ। ਡਾ. ਭਾਂਬਰੀ ਨੇ ਬਤਾਇਆ ਕਿ ਰਾਸ਼ਟਰੀ ਦੇ ਪੇਸ਼ੇਵਰਾਂ ਦੇ ਸਾਥ ਵਿਭਿਨ ਡਿਗਰੀ ਆਰ ਡਿਪਲੋਮਾ ਸ਼ਰ ਦੀ ਫੈਕਲਟੀ ਇਸ ਕਾਰਜਕ੍ਰਮ ਮੈਂ ਭਾਗ ਲੇ ਰਹੀ ਹੈ।

ਆਈ. ਆਈ. ਟੀ. /ਏਨ. ਆਈ. ਟੀ. ਆਰ ਰਾਸ਼ਟਰੀ ਦੇ ਪ੍ਰੋਫੈਸ਼ਨਲਜ਼ ਜੈਸੇ ਪ੍ਰਸਿੱਧ

ਸੰਸਥਾਨਾਂ ਦੇ ਡਾ. ਸਰਬਜੀਤ ਸਿੰਘ (ਪੰਜਾਬ ਵਿਸ਼ਵਵਿਦਿਆਲਯ, ਚੰਡੀਗੜ੍ਹ), ਡਾ. ਜਿਤੇਂਦਰ ਕੇ. ਛਾਬੜ (ਏਨ. ਆਈ. ਟੀ., ਕੁਰੁਖੇਤਰ), ਵਿਪਿਨ ਗੁਪਤਾ (ਯੂਨੇਟ ਸਾਲਯੂਸ਼ਨ), ਡਾ. ਪਾਰਥ ਪ੍ਰਤਿਮ ਰਾਯ (ਆਈ. ਆਈ. ਟੀ., ਰੁੜਕੀ), ਇਸ਼ਾਂਤ ਕੁਮਾਰ (ਓਰੀਥਿਸਿਸ ਟੈਕ), ਨਵਜੋਤ ਤੁੰਗ (ਅਲਟੇ ਇੰਟਰਪ੍ਰਾਈਜ਼), ਡਾ. ਸੁਖਜੀਤ ਸੋਹਰਾ (ਸਾਬੁਦ ਫਾਊਂਡੇਸ਼ਨ, ਮੋਹਾਲੀ), ਡਾ. ਦੁਰਗਾ ਤੇਜਨੀਵਾਲ (ਆਈ. ਆਈ. ਟੀ., ਰੁੜਕੀ) ਆਰ ਡਾ. ਵਿਪੁਲ ਕੇ ਮਿਸ਼ਰਾ

(ਬੇਨੇਟ ਯੂਨਿਵਰਸਿਟੀ, ਨੋਏਡਾ) ਆਦਿ ਪ੍ਰਸਿੱਧ ਸਿੱਖਿਆਵਿਦ ਆਰ ਪੇਸ਼ੇਵਰ ਇਸ ਆਨਲਾਈਨ ਕਾਰਜਕ੍ਰਮ ਦੇ ਦੌਰਾਨ ਅਪਨੀ ਵਿਸ਼ੇਸ਼ਤਾ ਬਾਰੇ ਕਰੇਂਗੇ।

ਡਾ. ਦੀਪਕ ਗਾਂਗੂ ਪ੍ਰੋ. ਏਚ. ਓ. ਡੀ. ਸੀ. ਏ. ਐੱਸ. (ਬੇਨੇਟ ਯੂਨਿਵਰਸਿਟੀ, ਨੋਏਡਾ) ਨੇ ਸੁਖਬਾਤਿਥਿ ਦੇ ਰੂਪ ਮੇਂ ਇਸ ਆਨਲਾਈਨ ਕਾਰਜਕ੍ਰਮ ਦਾ ਉਦਘਾਟਨ ਕੀਤਾ ਆਰ ਆਰਟਿਫਿਸ਼ਿਅਲ ਇੰਟੈਲੀਜੈਂਸ ਮੇਂ ਵਿਭਿਨ ਸ਼ੋਭ ਚੁਨੌਤਿਯੋਂ ਪਰ ਅਪਨੇ ਵਿਸ਼ੇਸ਼ਤਾ ਕੀ ਰਾਯ ਸਾਂਝਾ ਕੀ। ਏਨ. ਆਈ. ਟੀ. ਕੁਰੁਖੇਤਰ ਦੇ ਡਾ. ਜਿਤੇਂਦਰ ਕੁਮਾਰ ਛਾਬੜ ਨੇ ‘ਇੰਜੀਨੀਅਰਿੰਗ ਸਿਸਟਮ ਦੇ ਲਿਓ ਇੰਟੈਲੀਜੈਂਸ ਕੋ ਜੋਡਨਾ’ ਵਿਸ਼ੇ ਪਰ ਵਿਸ਼ੇਸ਼ਤਾ ਸੇ ਬਾਤ ਕੀ।

ਜੀਐਨਡੀਐੱਸ.ੀ. ਦੇ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਸਹਜਪਾਲ ਸਿੰਘ ਨੇ ਇਸ ਵਿਸ਼ੇ ਕੋ ਸਮਝ ਕੀ ਆਵਸ਼ਯਕਤਾ ਬਤਾਇਆ ਆਰ ਇੰਫਰਮੇਸ਼ਨ ਟੈਕਨੋਲੋਜੀ ਵਿਭਾਗ ਕੋ ਇਸ ਰਾਹ ਦੇ ਮਹਤਵਪੂਰਨ ਪ੍ਰੋਗਰਾਮ ਕਰਵਾਨੇ ਦੇ ਲਿਓ ਬਧਾਏਂ ਦੀ। ਉਨਹੋਂਨੇ ਏਕ ਭੀ ਬਤਾਇਆ ਕਿ ਇੰ-ਲਰਨਿੰਗ ਇਸ ਮਹਾਮਾਰੀ ਕਰਮਾਨ ਸਥਿਤਿ ਦੇ ਦੌਰਾਨ ਸਭਸੇ ਅਚਛਾ ਸਮਾਧਾਨ ਬਨ ਕੇ ਸਾਮਨੇ ਆਇਆ ਹੈ।

ਸਮ ਆ ਡਿ ਕੋ ਗ੍ਰਾਂਟ ਕਾ ਕੋ ਡਿਲ (ਏ) ਡਿਲ ਨੇ ਸੰਦ ਸਕੂਲ ਰੂਮ ਕ ਪਰ ਦੀ ਕੌਰ ਨੇ ਆਰ. ਅ ਅੰਗਰੇ ਰਪਏ ਕੀ ਸਰਕਾਰੀ



An AICTE-sponsored online short term training programme (STTP) on title "Artificial intelligence and machine learning with data science" was inaugurated on Monday. The programme is organised by the Department of Information Technology, Guru Nanak Dev Engineering College (GNDEC), Ludhiana. Dr Kiran Jyoti, Faculty Coordinator (STTP) & HOD (IT) said the objective to conduct the programme is to raise awareness among the faculty members and researchers for the contemporary capabilities of the artificial intelligence. Prof Sandeep Kumar Singla and Dr Pankaj Bhambri are the course coordinators of this STTP.

Wed, 16 Jan 2019 14:00:00  
https://



## 19 दिसम्बर, 2020 ● जालंधर

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डाबा/लुहाग, १८ दिसम्बर (जनेल सिंह पट्टेजी) : अटीईफिलियल इटैरनोजस ओर मशीन लॉगी विद् डाटा साइंस विषय पर ए.आई.सी.टी.ई. को ओर से प्रायोजित किया आन्लाईन शार्ट टर्न ट्रेनिंग प्रोग्राम ए.टी.डी.पी. भाग-२ का सूचना देवनालीजी बिभाग मुख नकान देव डीजेनीनरीया कालेके के र्पिंसपाल डा. सहजपाल सिंह को अग्रहण में उचछादन किया है। फेकर्टी कोओडीनैशन डा. किरणा जोति प्रमुख आई.टी. विभागे ने बताया कि इस कार्यक्रम के माध्यम से अटीईफिलियल इटैरनोजस, मशीन लॉगी ओर डाटा साइंस टेक्नालॉजी के लिए फेकर्टी सदस्यों व रिस्पॉन्सबल कॉर्पोरेट को जागरूक करना है। एस.टी.डी.पी. के कोर्स कोओडीनैटर प्रो. सदीप कुमार सिंगला ने कार्यक्रम के विकरणों को साझा करते हुए बताया कि एक राष्ट्रीय स्तरपर कार्यक्रम है और २५० से अधिक प्रतिभागियों ने इस कार्यक्रम में हिस्सा लेते हैं। लिए आवेदन किया है, जिमेंमें उपलब्ध दिशा निर्देश अनुसार देश के



**आगलाईन प्रोजेजम नं शलडल डुरीसीपल डा. सहजपाल सिंह व अन्या प्रतिभागी ।**

समी क्षेत्रें से लगमा 100 प्रतिभागी शर्टलिफ्ट किये गये हैं। उन्होंने बताया कि इस कार्यक्रम में उद्योग पेशेवरों के साथ विभिन्न छिड़ी व डिप्लोमा स्तर के कोर्सों के फैक्टरी जयकिया हिस्सा ले रहे हैं। डा. धर्षवी ने जानकारी दी कि आई.आई.टी., एन.आई.टोव व उद्योग के प्रैक्टिशर नामक संस्थाओं के निविन फैक्ट्री सदस्य इस कार्यक्रम दौरान प्रतिभागियों की जानकारी में भरपूर वृद्धि करेगे। (कार्यक्रम के मुख्य मेहमान आ. दीपक गर्ग ने इस आगलाईन कार्यक्रम का उद्घावन किया और आर्टिफिशियल इंटेलीजंस के क्षेत्र में विभिन्न खोज चुनौतियों बारे अपने कोमती विचार साँके किये। अंत में जी.एन.डी.बी.सी. के प्रिंसिपल डा. सहजपाल सिंह ने ईलींगिंग पर कारवाये कार्यक्रम को समय की जरूरत बताया और आयोजन के लिए आगलाईनों को बधाई दी।

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ਆਨਲਾਈਨ ਪ੍ਰੋਗਰਾਮ ਵਿਚ ਸ਼ਾਮਲ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਸਾਹਿਜਪਾਲ ਸਿੰਘ  
ਤੇ ਹੋਰ ਭਾਗੀਦਾਰ।

ਆਲਮਗੀਰ, 18 ਆਬੰਬਰ (ਜਰਨੈਲ  
ਸਿੰਘ ਪੰਨੀ)—ਆਰਟੀਸਟੀਕਲ  
ਇਨਟੈਲੀਜਨਸ ਅਤੇ ਮਸ਼ੀਨ ਲਗਨਿੰਗ  
ਵਿਦ ਭਾਣਾ ਸਾਇੰਸ ਵਿਸ਼ੇ 'ਤੇ  
ਦੇ ਆਈ.ਸੀ.ਟੀ.ਐ. ਵਲੋਂ ਸਪਾਂਸਰ  
ਕੀਤਾ ਆਲਮਾਈਨ ਸ਼ਾਬਦ ਟਰਮ  
ਡਿਕਸ਼ਨ ਪ੍ਰਕਾਸ਼ਨ ਐਸ.ਟੀ.ਪੀ.  
ਭਾਗ-2 ਦੇ ਸੂਚਨਾ ਤਕਨਾਲੋਜੀ  
ਵਿਭਾਗ ਗੁਰੂ ਨਾਨਕ ਦੇਵ  
ਇੰਨੀਨੀਅਰਿੰਗ ਕਾਲਜ ਪਿਸ਼ੀਪਲ ਭਾਗ  
ਸਹਿਜਪਾਲ ਸਿੰਘ ਦੀ ਰਹਿਨਾਮੀ ਹੇਠ  
ਉਦਘਾਟਨ ਕੀਤਾ ਗਿਆ। ਫੈਕਲਟੀ  
ਕੋਆਰਡੀਨੇਟਰ ਡਾ. ਕਿਰਨ ਜੋਤੀ ਮੁਖੀ  
ਆਈ.ਟੀ ਵਿਭਾਗ ਨੇ ਦੱਸਿਆ ਕਿ ਇਸ  
ਪ੍ਰਕਾਸ਼ਨ ਸਰੀਰ ਦੇ ਆਰਟੀਫੀਸ਼ੀਅਲ  
ਇਨਟੈਲੀਜਨਸ, ਮਸ਼ੀਨ ਲਗਨਿੰਗ ਅਤੇ  
ਡਾ. ਸਾਇੰਸ ਟੈਕਨਾਲੋਜੀ ਲਈ  
ਫੈਕਲਟੀ ਮੈਂਬਰਾਂ ਅਤੇ ਸਿਸਟਰ ਸਕਲਰਾਂ  
ਨੂੰ ਜਾਗਰੂਕ ਕਰਨਾ ਹੈ। ਐਸ.ਟੀ.ਪੀ.

ਦੇ ਕੋਰਸ ਕੋਆਰਡੀਨੇਟਰ ਪ੍ਰੋ: ਸੰਦੀਪ ਕੁਮਾਰ ਸਿੰਗਲਾ ਨੂੰ ਪੁਰਗਾਮ ਦੇ ਰੋਕਵਾਹਾਂ ਨੂੰ ਸਾਫ਼ ਕਰਵਾਏ। ਦੱਸਿਆ ਕਿ ਇਹ ਇਕ ਰਾਸ਼ਟਰੀ ਪੱਧਰੀ ਪੁਰਗਾਮ ਹੈ ਅਤੇ 250 ਤੋਂ ਵੱਧ ਭਾਗੀਦਾਰਾਂ ਨੇ ਇਸ ਵਿਚ ਹਿੱਸਾ ਲੈਣ ਲਈ ਅਪਲਾਈ ਕੀਤਾ ਹੈ, ਜਿਨ੍ਹਾਂ ਵਿਚੋਂ ਲਗਭਗ 100 ਭਾਗੀਦਾਰ ਸ਼ਾਨਤਾਲਿਸਟ ਕੀਤੇ ਗਏ ਹਨ। ਉਨ੍ਹਾਂ ਦੱਸਿਆ ਕਿ ਇਸ ਪੁਰਗਾਮ ਵਿਚ ਉਦਯੋਗ ਪ੍ਰਬੰਧਕਾਂ ਦੇ ਨਾਲ ਵੱਖ-ਵੱਖ ਭਿਰਾਰੀ ਅਤੇ ਫਿਲਮਲਾ ਪੱਧਰ ਦੇ ਕੌਰਾਂ ਦੇ ਫੈਕਲਟੀ ਮੈਂਬਰ ਹਿੱਸਾ ਲੈ ਰਹੇ ਹਨ। ਡਾ. ਭਾਬਰੀ ਨੇ ਚਾਨਣਾ ਪਾਇਆ ਕਿ ਆਈ ਆਈ ਟੀ. ਐਨ. ਆਈ ਟੀ.ਜ਼ ਅਤੇ ਉਦਯੋਗ ਦੇ ਪ੍ਰੈਕਟੀਸ਼ਨਰ ਨਾਮਵਰ ਸੰਸਥਾਵਾਂ ਦੇ ਵੱਖ-ਵੱਖ ਫੈਕਲਟੀ ਮੈਂਬਰ ਪੁਰਗਾਮ ਦੌਰਾਨ ਭਾਗੀਦਾਰਾਂ ਦੀ ਜਾਣਕਾਰੀ ਵਿਚ ਭਰਪੂਰ ਇਜ਼ਾਜ਼ਾ ਕਰਨਗੇ। ਪੁਰਗਾਮ ਦੇ ਮੁੱਖ ਮਹਿਮਾਨ ਡਾ. ਦੀਪਕ ਗਗਨ ਨੇ ਇਸ ਅਨਾਲਾਈਨ ਪੁਰਗਾਮ ਦਾ ਉਦਘਾਟਨ ਕੀਤਾ ਅਤੇ ਆਰਟੀਫੀਸ਼ੀਅਲ ਇਨਟੈਲੀਜੈਂਸ ਦੇ ਖੇਤਰ ਵਿਚ ਵੱਖ-ਵੱਖ ਖੋਜ ਰੂਪਾਂਤਰੀਆਂ ਬਾਰੇ ਆਪਣੇ ਕੀਮਤੀ ਵਿਚਾਰ ਸਾਂਝੇ ਕੀਤੇ। ਅਖੀਰ 'ਚ ਜੀ.ਐਨ.ਡੀ.ਈ.ਸੀ. ਦੇ ਪ੍ਰਿੰਸੀਪਲ ਡਾ. ਸਹਿਮਪਾਲ ਸਿੰਘ ਨੇ ਈ-ਲਾਨਿਗ 'ਤੇ ਕਰਵਾਏ ਪੁਰਗਾਮ ਨੂੰ ਸਮੇਂ ਦੀ ਲੋੜ ਦੱਸਿਆ ਅਤੇ ਪੁਰਗਾਮ ਦੀ ਕੌਰਾਂ ਨੂੰ ਨਿਰਮਾਣ ਨੂੰ ਵਧਾਈ ਦਿੱਤੀ।

ਟਿਕਰੀ ਬਾਰਡਰ 'ਤੇ  
ਇਆ ਡਾਕਟਰੀ ਕੈਂਪ

ਪਤਾਲ ਲੁਧਿਆਣਾ ਦੇ ਪ੍ਰਬੰਧ ਨਿਰਦੇਸ਼ਕ ਜੈ  
ੀ ਹੇਠ ਦਿੱਲੀ ਵਿਚ ਚੱਲ ਰਹੇ ਡਾਕਟਰੀ ਟੀਮਾਂ

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