

Name of the Event: - 21 days training certificate program on Artificial Intelligence

Event Date: - 01 February 2022 to 21 February 2022



Shri Shankaracharya Mahavidyalaya Junwani, Bhilai

NAAC Re-accredited with 'A' Grade (CGPA 3.10)

Department of Computer Science
Presents

• Chief Patrons

Shri L.P. Mishra (Chairman)
Shri Gangajali Educational Society, Bhilai

Smt. Jaya Mishra (President)
Shri Gangajali Educational Society, Bhilai

• Patron

Dr. Raksha Singh
(Director & Principal)

Dr. J. Durga Prasad Rao
(Additional Director)

• Advisory Committee

Dr. Rahul Mene
Dr. Archana Jha
Mr. Sandeep Jashwant
Mrs. Preeti Shrivastava

• Organizing Committee

Mrs. Poonam Yadav
Mrs. Kavita Kushwaha
Ms. Jasleen Kaur
Mr. K.K. Dubey

Collaboration with



From 01 Feb. 2022 to 21 Feb. 2022

CERTIFICATE TRAINING PROGRAM ON ARTIFICIAL INTELLIGENCE

Registration Link-

<https://forms.gle/V3rskyHW695qp7Jr7>

Join Event Through Google Meet Link:

meet.google.com/hre-suxh-ytg

Convener

Mr. Thakur Devraj Singh

HoD

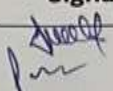







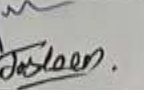
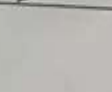

Department of Computer Science



SHRI SHANKARACHARYA MAHAVIDYALAYA

JUNWANI, BHILAI

Online training program on "21 days certificate training program on Artificial Intelligence" from 1 to 21 February 2022, various assignments to be done during the 21-day online training program by the following committee members :

Assignment	Incharge name	Signature
Welcome speech	Mr. Devraj singh Mrs. Poonam yadav	
Registration form	Mrs. Poonam yadav	
Feedback form	Mrs. Poonam yadav	
Report making	Mrs. Kavita Kushwaha Ms. Jasleen kaur	
Attendance record	Mrs. Kavita Kushwaha Mrs. Poonam yadav	
Facebook live	Mrs. Kavita Kushwaha Mrs. Poonam yadav	
You tube live	Mrs. Kavita Kushwaha Ms. Jasleen Kaur	
Press release	Mrs. Kavita Kushwaha	
Vote of thanks	Mr. Devraj Singh	
Guests Details	Mrs. Poonam yadav Ms. Jasleen Kaur	
E-certificate generate	Mrs. Poonam yadav Ms. Jasleen Kaur	


Convener


Principal
Shri Shankaracharya Mahavidyalaya
Junwani, Bhilai (C.G.)

No. of Students Participated:- 278

No. of Faculty Participated:- 5

Event Report:

The program will help the participants to aware of the most trending technologies in the industries, gives hands on practices, improves programming skills, bridge the gap between syllabus contents and industry requirements.

Keynote speaker of the First day was **Mr piyush Sinha He is given detail knowledge of** the definition of analytics and explained each and every sub-field of analytics. Sir told that in a API architecture anything and everything where data is handled is called Data Science. Then he gave several real life examples so that students can understand more clearly. Then he gave several career options and the skillset required for different roles. He explained job dimensions using different graphs and the trend in job market. In the graph of percentage of analytics jobs across industries, banking and finance services has the maximum no. of job opportunities because they have a large amount of data to handle and maintain. And sir said that python is the go to tool for data science because it is easy to deploy.

Dr. supeed bhattacharya associate professor CSE, BIT Durg explained general points of AI such as knowledge representation, logical reasoning, planning, pattern and discussed about Machine Learning. He explained deep blue to alphago and game trees.

Dr. Sunita Soni, Hod Dept of Computer Science Engineering she explained the skill sets required for Data Science. Also she gave the recent applications of AI. Then she defined Big Data analytics using some examples. she gave a brief of IBM Watson and image analysis applications.

Day 4 the session was taken by Dr. Ani Thomas, Professor and HOD of IT & MCA, BIT Durg. She demonstrated classification of AI problems, Turing test – the criteria of success, “Rambo”: a silver and black Schnauzer-looking robot, Sony AIBO: The Robot Dog (Artificial Intelligence robot), Honda Humanoid Robot ASIMO, A.I. DOCTOR! An Expert System Shell. ameca the humanoid robot, robot barber. She concluded with sentiment quantification.

Day 5 Dr. Kanchan Lata Kashyap Senior Assistant Professor in SCSE at VIT university Bhopal

The session started with the topic artificial neural network in the beginning of the session, ma’am explained soft computing concept, approaches of soft computing., comparison of biological neuron with artificial neuron. ma’am explained soft computing concept, various learning mechanisms such as supervised learning mechanism, unsupervised learning mechanism with different real life examples. She demonstrated perceptron model, single-layer perceptron model, multi-layer perceptron model, processing information in ANN. She explained perceptron concept, basic elements of perceptron such as links, adder, activation function, schematic representation of perceptron, operational characteristics of perceptron, multiple adaptive linear neuron, key points on BPN.

Dr. Gyanesh Shrivastav Professor & Head in school of Information Technology, Mats university, Raipur on the topic Job opportunities & scopes of Artificial Intelligence and Machine Learning

Dr. Mamta singh DY Director and HOD of computer science in Sai college, Sector 6 Bhilai

Ph.d guide in Hemchand Yadav University on the topic **Artificial Intelligence beyond your expectation**

9th day of the certificate program was explained by the speaker Dr. Neeraj Kharya sir about **Machine learning** i.e. Machine learning is the result of general AI that

involves developing machine that can deliver results better than humans and also explained 7 steps of machine learning such as :- GATHERING DATA,PREPARING THAT DATA,CHOOSING A MODEL,TRANING, EVALUTION,HYPERPARAMETER TUNING,PREDICTION.

Dr. Nilamadhab Mishra Sr. Asst. Professor, SCSE, VIT Bhopal on the topic ” **Progressive DSA on DoT for Intellectual Application**”. He defines DoT and IoT-DSA, Business Intelligence, Big-data etc. Then he explained Introduction of Convergence of IoT-DSA, key motivation of IoT-DSA. He briefly described the theory of DSA, correlation of DSA, knowledge Analytics and brief evolution of DSA. He explained Safety Monitoring Application in which tasks is data processing & inference from a sensor – actuator environment and aim is how an actuator gets action information from mess sensor data? He defines the cloud attached sensor’s application and elderly monitoring application. He explained IoT-DSA for industrial automation in this he covers outlines, COIB-framework organization, functional analysis, case base analysis.

Next day Mrs. V Mansa Assistant Professor Dadi Institute of Engineering. and Technology, Vishakhapatnam on topic “**Artificial Intelligence for education**”. The session started with what is AI. Then she explained various applications of AI in real life such as autonomous vehicles, social media chat bots etc. Then she told us the two categories i.e. Narrow AI and Artificial General Intelligence. After that she explained 4 types of AI which were reactive machines, limited memory, theory of mind, self-awareness.

keynote speaker was in Dr. M. Srinivasa Rao, Professor, CSE, Dadi Institute of Engineering. and Technology, Vishakhapatnam on the topic “**Introduction to Machine Learning and python for data science**”. He explained about python for data science and data manipulation using Scipy, data analysis using pandas.

16th day of the program Mrs Poonam Yadav given the lecture on **Deep Learning and Convolutional Neural Network**, the need of Deep Learning. She also

briefly explained the working of Deep Learning. She explains the difference between machine learning and deep learning with an example of a car. She also told that CNN is an example of deep learning also explain various layers in CNN model. She explained multilevel neural network with the help of diagram and then various applications of Deep Learning such a self-driven car, pixel restore ration, news aggregation, deep dreaming etc. She also gave some information on open source tools for deep learning.

Day 17 of AI training program was taken by Dr. Jyoti Pillai Professor,
Department of

Information Technology Bhilai Institute Of Technology

on the topic “**Machine Learning- Applications and Trends**” She stated that Machine learning algorithms build a model based on sample data that is training data in order to make predictions for decisions also added that Machine learning algorithms are used in a wide variety of applications. She also explained the applications of machine learning using social media such as Facebook and e commerce site like Amazon.

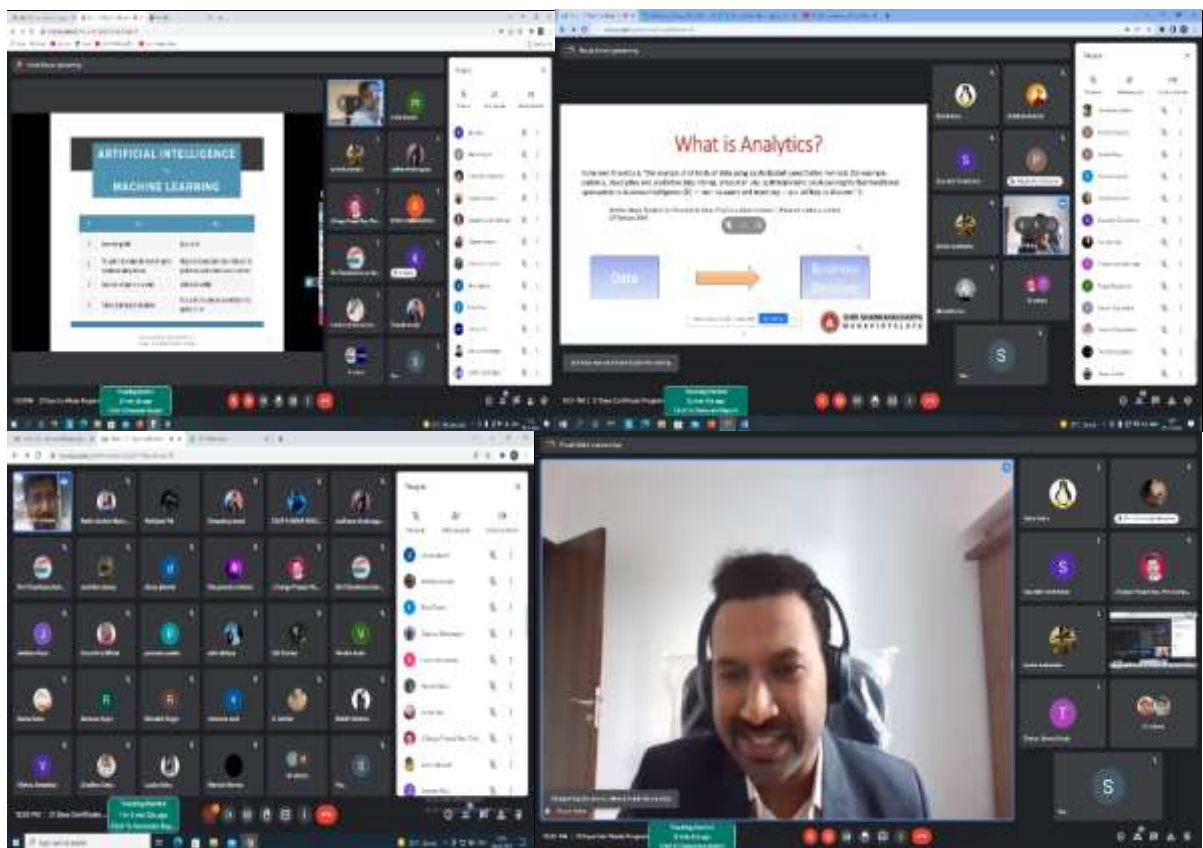
next day session on the topic - “**Key technology in wireless communication artificial intelligence the front liner**” by Dr. J.P. Patra Professor, HoD of Department of CSE in Shri Shanakaracharya Institute of Professional Management &Technology, Raipur. He explained Application of AI like healthcare, Automobiles, banking and finance, robotics and E-Commerce etc. He explained about introduction of 5G, 6G networking and connectivity.

Dr. Siddharth Choubey , Professor, Shri Shankaracharya Technical Campus ,Bhilai. provide hands on Training for AI using “MIT App Inventor” that MIT App Inventor is a web application integrated development environment beneficial for the students.

Outcome:

With the information given by the key note speaker, the students got complete knowledge about Aitificial Intelligence.

Photographs:



The image shows an open notebook with two pages. The left page is mostly blank, except for a large, faint, circular stamp that reads "The State of New York" and "Department of Education". The right page contains a "Event feedback" form. The form has two main sections, "Feedback 1" and "Feedback 2", each with a rating scale from 1 to 5. The form is partially filled out with handwritten text. The "Feedback 1" section has "1" written next to the first rating circle. The "Feedback 2" section has "1" written next to the first rating circle. The form also includes a section for "Overall" with a rating scale from 1 to 5, and a section for "Comments" with a line for handwritten text. The form is titled "Event feedback" and includes a note about the purpose of the feedback.

[illegible]

Name of the Resource Person & Designation with Address: -

S.No	Date	Name of guest	Designation	Contact Detail	Topic	Link
01	01/02/2022	Mr. Piyush Sinha	Vice President Marsh advisory / Analytics/ Mumbai Maharashtra	sinha.piyush07@gmail.com	Data Science	http://meet.google.com/hre-suxh-ytg https://youtu.be/fWM01SL1FtU
02	02/02/2022	Mr. Sudip Bhattacharya	Associate Professor in the Department of Computer Science Engineering, BIT Durg	Sudip.bhattacharya@bitdurg.ac.in	Programs that can learn itself	http://meet.google.com/oeg-bbvr-ygg https://youtu.be/FsskwaJZhYA
03	03/02/2022	1.Mrs.poonam yadav 2. Dr. Sunita Soni	Assistant professor in department of computer science, SSMV MCA, PHD HOD , Department of computer science and engineering, BIT Durg	poonamchawhan@gmail.com Sunitasoni74@gmail.com	Impact of AI on daily life. Recent faces of Machine learning.	http://meet.google.com/hre-suxh-ytg https://youtu.be/uyl3nDfxppg https://youtu.be/ARxV6nHvohl
04	04/02/2022	Dr. Ani Thomas	Professor & H.O.D of IT & MCA, BIT Durg	ani.thomas@bitdurg.ac.in	Artificial intelligence and it's applications	http://meet.google.com/hre-suxh-ytg https://youtu.be/qGR_6NwAGK8
05	05/02/2022	Dr. Kanchan Lata Kashyap	Senior Assistant Professor in school of computing Science Engg., VIT Bhopal	Kanchan.k@vitbhopal.ac.in	Artificial Neural network	http://meet.google.com/hre-suxh-ytg https://youtu.be/OTbaSoUkbcs
06	06/02/2022	Dr. Kanchan Lata Kashyap	Senior Assistant Professor in school of computing Science Engg., VIT Bhopal	Kanchan.k@vitbhopal.ac.in	Artificial Neural network	http://meet.google.com/hre-suxh-ytg https://youtu.be/OTbaSoUkbcs
07	07/02/2022	Dr. Gyanesh Shrivastav	Professor & Head in school of Information Technology, Mats university, Raipur		Job opportunities & scopes of Artificial Intelligence and Machine Learning	http://meet.google.com/hre-suxh-ytg https://youtu.be/XhRj_aAZT3I

08	08/02/2022	Dr. Mamta singh	DY Director and HOD of computer science in Sai college, Sector 6 Bhilai Ph.d guide in Hemchand Yadav University		Artificial Intelligence beyond your expectation	http://meet.google.com/hre-suxh-ytg https://youtu.be/iKQsUNRVkY0
09	09/02/2022	Dr. Neeraj Kharya	Associate professor, BIT Durg	neerajkharya@bitdurg.ac.in	Machine Learning	http://meet.google.com/hre-suxh-ytg https://youtu.be/z8KNxKfX84Y
10	10/02/2022	Dr. Aparna Rawal	Professor , BIT Durg	arpana.rawal@gmail.com		http://meet.google.com/hre-suxh-ytg https://youtu.be/cg383-AHWU8
11	11/02/2022	Dr. Nilamadhab Mishra	Senior Assistant Professor, school of computer science and engineering , VIT Bhopal(M.P)	nilamadhab.mishra@gmail.com	Progressive DSA on DoT for Intellectual Application	http://meet.google.com/hre-suxh-ytg https://youtu.be/szv6feUawkE
12	12/02/2022	Srikanth.R.S	HR , Talent Acquisition and Campus Hiring and campus , Bengaluru	Srisuper@gmail.com	Communication skill	http://meet.google.com/hre-suxh-ytg https://youtu.be/9EQSKqE_bUE
13	13/02/2022	Srikanth.R.S	HR , Talent Acquisition and Campus Hiring and campus , Bengaluru	Srisuper@gmail.com	Communication skill	http://meet.google.com/hre-suxh-ytg https://youtu.be/9EQSKqE_bUE
14	14/02/2022	Mrs. Vavilapalli Manasa	Assistant Professor, Dadi institute of		Artificial Intelligence for Education	http://meet.google.com/hre-suxh-ytg

			engg. And technology			https://youtu.be/H7_yt90XMJw
15	15/02/2022	Dr. M.Srinivasa Rao	Professor, Dadi Institute of Engg. & Technology , Anakapalle	drmollisrinivasarao@gmail.com 9676754069	Introduction to Machine Learning and python for data science	http://meet.google.com/hre-suxh-ytg https://youtu.be/_QuCj95dMw
16	16/02/2022	Mrs.poonam yadav	Assistant professor in department of computer science, SSMV	poonamchawhan@gmail.com	Deep Learning and Convolutional Neural Network	http://meet.google.com/hre-suxh-ytg https://youtu.be/_QuCj95dMw
17	17/02/2022	Dr. Jyoti Pillai	Professor in the department of IT, BIT	jyothi.pillai@bitdurg.ac.in	Machine Learning- Applications and Trends	http://meet.google.com/hre-suxh-ytg https://youtu.be/hHcD62-ZQlw
18	18/02/2022	Dr. J.P. Patra	Professor, HoD of computer Department in Shri Shanakaracharya Institute of Professional Management & Technology, Raipur.	Patra.jyotiprakash@gmail.com	Key technology in wireless communication artificial intelligence the front liner.	http://meet.google.com/hre-suxh-ytg https://youtu.be/3t9Husq5e7c
19	19/02/2022	Dr. Siddharth Choubey	Prof , SSCET ,Junwani Bhilai		Hands on training on MIT App Inventor	http://meet.google.com/hre-suxh-ytg
21	20/02/2022	Dr. Siddharth Choubey	Prof , SSCET ,Junwani Bhilai		Hands on training on MIT App Inventor	http://meet.google.com/hre-suxh-ytg
21	21/02/2022	Dr Sanjay Kumar	Prof . SoS in Computer Science , Pt R.S.University , Raipur		Artificial Intelligence	http://meet.google.com/hre-suxh-ytg