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

Event Date: - 01 February 2022 to 21 February 2022

# Name of the Resource Person & Designation with Address:-

S.No	Date	Name of guest	Designation	Contact Detail	Торіс	Link
01	01/02/20 22	Mr. Piyush Sinha	Vice President Marsh advisory / Analytics/ Mumbai Maharashtra	sinha.piyush07@gm ail.com	Data Science	http://meet.googl e.com/hre-suxh- ytg https://youtu.be/f WM01SL1FtU
02	02/02/20 22	Mr. Sudip Bhattacharya	Associate Professor in the Department of Computer Science Engineering, BIT Durg	Sudip.bhattachar ya@bitdurg.ac.in	Programs that can learn itself	http://meet.googl e.com/oeg-bbvr- ygq https://youtu.be/F sskwaJZhYA
03	03/02/20 22	1.Mrs.poonam yadav	Assistant professor in department of computer science, SSMV	poonamchawhan @gmail.com	Impact of AI on daily life.	http://meet.goo gle.com/hre- suxh-ytg https://youtu.be
		2. Dr. Sunita Soni	MCA, PHD HOD , Department of computer science and engineering, BIT Durg	Sunitasoni74@gm ail.com	Recent faces of Machine learning.	/uyl3nDfxppg https://youtu.be /ARxV6nHvohl
04	04/02/20 22	Dr. Ani Thomas	Professor & H.O.D of IT & MCA, BIT Durg	ani.thomas@bit durg.ac.in	Artificial intelligence and it's application s	http://meet.goo gle.com/hre- suxh-ytg https://youtu.be /qGR_6NwAGK8
05	05/02/20 22	Dr. Kanchan Lata Kashyap	Senior Assistant Professor in school of computing Science Engg., VIT Bhopal	Kanchan.k@vitb hopal.ac.in	Artificial Neural network	http://meet.goo gle.com/hre- suxh-ytg https://youtu.be /0TbaSoUkbcs
06	06/02/20 22	Dr. Kanchan Lata Kashyap	Senior Assistant Professor in school of computing	Kanchan.k@vitb hopal.ac.in	Artificial Neural network	http://meet.goo gle.com/hre- suxh-ytg

			Science Engg.,			https://youtu.be
			VIT Bhopal			/0TbaSoUkbcs
07	07/02/20 22	Dr. Gyanesh Shrivastav	Professor & Head in school of Information Technology, Mats university, Raipur		Job opportuniti es & scopes of Artificial Intelligence and Machine Learning	http://meet.goo gle.com/hre- suxh-ytg https://youtu.be /XhRj_aAZT3I
08	08/02/20 22	Dr. Mamta singh	DY Director and HOD of computer science in Sai college, Sector 6 Bhilai Ph.d guide in Hemchand Yadav University		Artificial Intelligenc e beyond your expectatio n	http://meet.goo gle.com/hre- suxh-ytg https://youtu.b e/iKQsUNRVkY 0
09	09/02/20 22	Dr. Neeraj Kharya	Associate professor, BIT Durg	neerajkharya@bi tdurg.ac.in	Machine Learning	http://meet.goo gle.com/hre- suxh-ytg https://youtu.b e/z8KNxKfX84Y
10	10/02/20 22	Dr. Aparna Rawal	Professor , BIT Durg	arpana.rawal@g mail.com		http://meet.go ogle.com/hre- suxh-ytg https://youtu.b e/cg383- AHWU8
11	11/02/20 22	Dr. Nilamadhab Mishra	Senior Assistant Professor, school of computer science and enginnering, VIT Bhopal(M.P)	nilamadhab.mis hra@gmail.com	Progressiv e DSA on DoT for Intellectua I Applicatio n	http://meet.go ogle.com/hre- suxh-ytg https://youtu.b e/szv6feUawkE
12	12/02/20 22	Srikanth.R.S	HR , Talent Acquision and Campus Hiring and campus , Bengaluru	Srisuper@gmail. com	Communic ation skill	<u>http://meet.go</u> ogle.com/hre- suxh-ytg

						https://youtu.b e/9EQSKqE_bU E
13	13/02/20 22	Srikanth.R.S	HR , Talent Acquision and Campus Hiring and campus , Bengaluru	Srisuper@gmail. com	Communic ation skill	http://meet.go ogle.com/hre- suxh-ytg https://youtu.b e/9EQSKqE_bU E
14	14/02/20 22	Mrs. Vavilapalli Manasa	Assistant Professor, Dadi institute of engg. And technology		Artificial Intelligenc e for Education	http://meet.go ogle.com/hre- suxh-ytg https://youtu.b e/H7_yt9OXMJ w
15	15/02/20 22	Dr. M.Srinivasa Rao	Professor, Dadi Institute of Engg. & Technology , Anakapalle	drmollisrinivasar ao@gmail.com 9676754069	Introducti on to Machine Learning and python for data science	http://meet.go ogle.com/hre- suxh-ytg https://youtu.b e/_QuCxj95dM w
16	16/02/20 22	Mrs.poonam yadav	Assistant professor in department of computer science, SSMV	poonamchawhan @gmail.com	Deep Learning and Convolutio nal Neural Network	http://meet.go ogle.com/hre- suxh-ytg https://youtu.b e/_QuCxj95dM w
17	17/02/20 22	Dr. Jyoti Pillai	Professor in the department of IT, BIT	jyothi.pillai@bitdur g.ac.in	Machine Learning- Applicatio ns and Trends	http://meet.go ogle.com/hre- suxh-ytg https://youtu.b e/hHcD62- ZQlw
18	18/02/20 22	Dr. J.P. Patra	Professor, HoD of computer Department in Shri Shanakarachary a Institute of Professional Management &Technology, Raipur.	Patra.jyotiprakas h@gmail.com	Key technolog y in wireless communic ation artificial intelligenc e the front liner.	http://meet.go ogle.com/hre- suxh-ytg https://youtu.b e/3t9Husq5e7c

19	19/02/20	Dr. Siddharth	Prof , SSCET	Hands on	http://meet.go
	22	Choubey	,Junwani Bhilai	training	ogle.com/hre-
				on MIT	<u>suxh-ytg</u>
				Арр	
				Inventor	
21	20/02/20	Dr. Siddharth	Prof , SSCET	Hands on	http://meet.go
	22	Choubey	,Junwani Bhilai	training	ogle.com/hre-
				on MIT	<u>suxh-ytg</u>
				Арр	
				Inventor	
21	21/02/20	Dr Sanjay	Prof . SoS in	Artificial	http://meet.go
	22	Kumar	Computer	Intelligenc	ogle.com/hre-
			Science , Pt	е	<u>suxh-ytg</u>
			R.S.University ,		
			Raipur		

# 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.

16<sup>th</sup> 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.

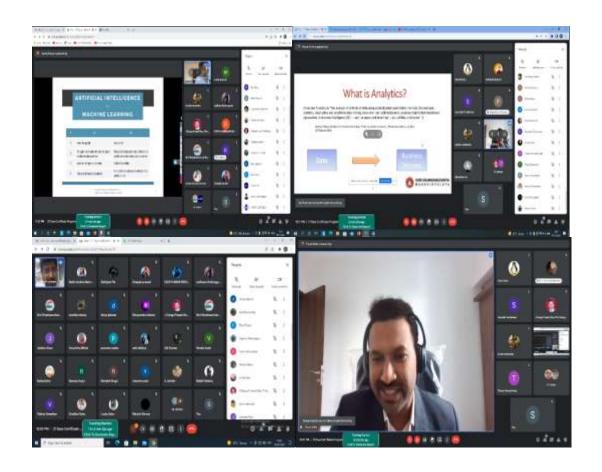
next day session on the topic - "Key technology in wireless communication artificial intelligence the front liner" by Dr. J.P. Patra Professor, HoD of Department of CSE in Shri Shanakaracharya Institute of Professional Management &Technology, Raipur. He explained Application of AI like healthcare, Automobiles,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

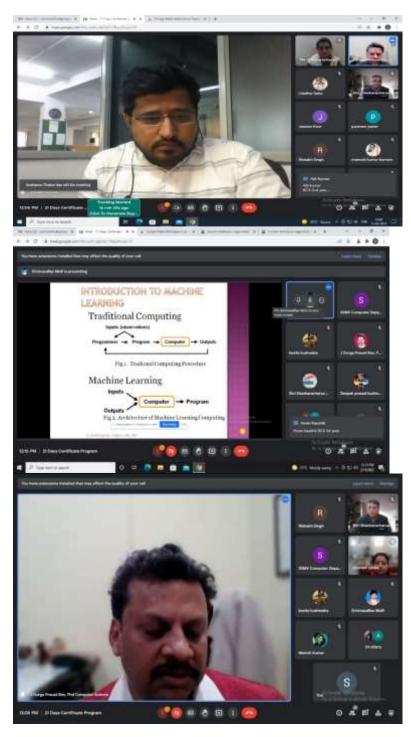
Dr. Siddharth Choubey, Professor, Shri Shankaracharya Technical Campus ,Bhilai. provide hands on Training for AI using "MIT App Inventor" that MIT App Inventor is a web application integrated development environment beneficial for the students.

## **Outcome:**

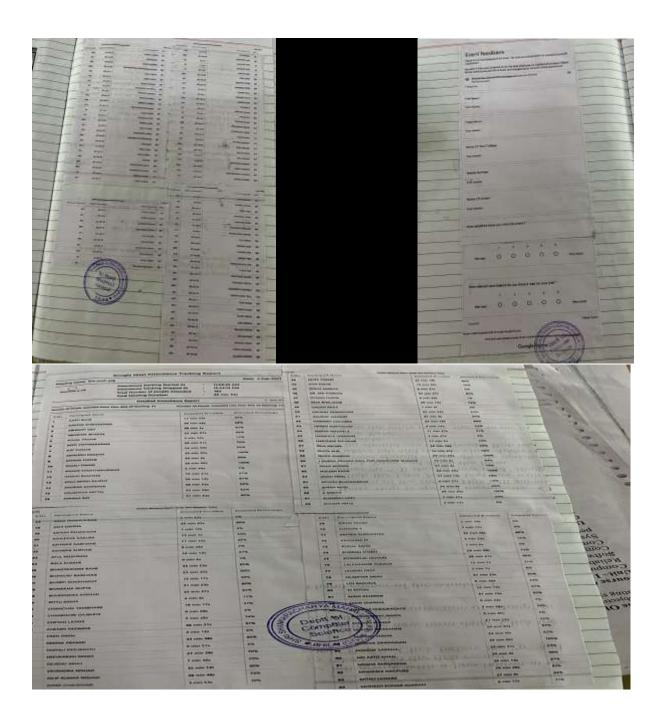
With the information given by the key note speaker, the students got complete knowledge about Aitificial Intelligence.

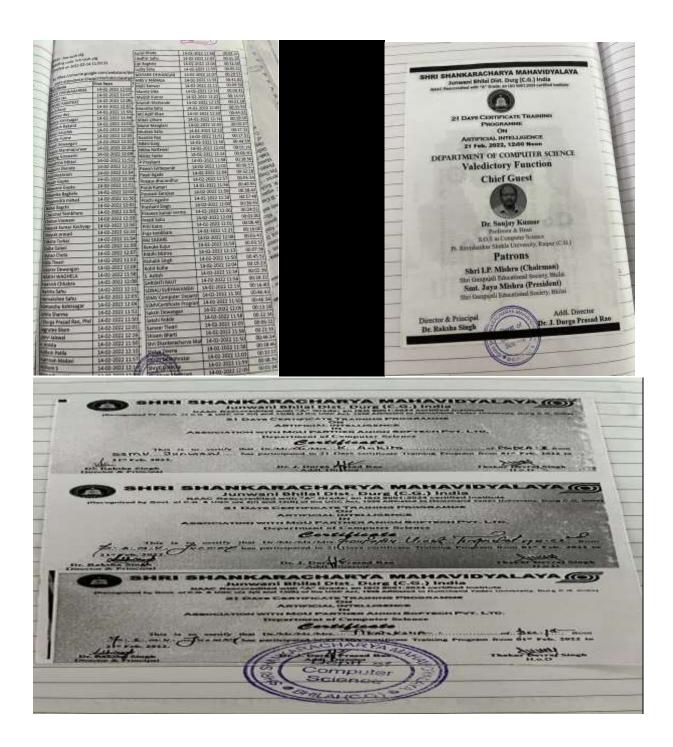
## **Photographs:**

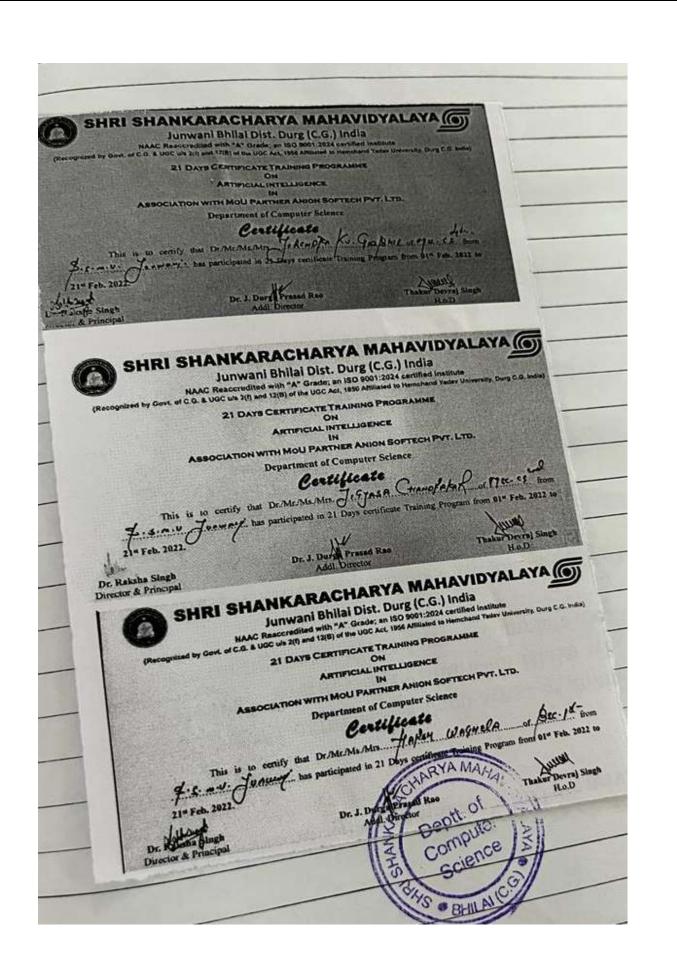




**Enclosed event Documents:-**







# 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	1 mil
Registration form	Mrs. Poonam yadav	In
Feedback form	Mrs. Poonam yadav	12m
Report making	Mrs. Kavita Kushwaha Ms. Jasleen kaur	Joleen.
Attendance record	Mrs. Kavita Kushwaha Mrs. Poonam yadav	AT
Facebook live	Mrs. Kavita Kushwaha Mrs. Poonam yadav	A
You tube live	Mrs. Kavita Kushwaha Ms. Jasleen Kaur	9 June
Press release	Mrs. Kavita Kushwaha	Joleen.
Vote of thanks	Mr. Devraj Singh	Dank
Buests Details	Mrs. Poonam yadav Ms. Jasleen Kaur	Justeen .
-certificate generate	Mrs. Poonam yadav Ms. Jasleen Kaur	for Tilan

Convener

Principalipal hri Shankaracharya Mahavidyalaya Junwani, Bhilar (CG)

#### Workshop and Training Program

Name of the Event: Health and Nutrition: Spawn Production and Cultivation of Button Mushroom

#### Name of the Activity:

- Workshop on Breast cancer
- Training program on Mushroom cultivation
- Workshop on Yoga

#### Event Date: 9/11/21-08/12/21

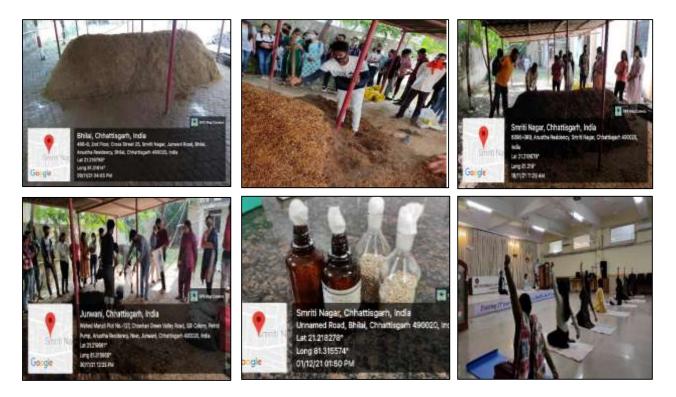
#### No. Of Participants: 124

#### **Event Report:**

- Workshop on Breast cancer: This session was taken by Dr. Pratibha Issar, H.O.D, Radiology, Pt. Jawaharlal Nehru Hospital and Research Centre. In this session, she gave a detailed lecture on breast cancer, stages, all the medical detection and diagnosis techniques opted by hospitals, ways of self diagnosis and different ways breast cancer can happen in different age groups of a girls life.
- Training program on Mushroom cultivation: Button Mushroom cultivation is a very delicate procedure and it was taught by Mr. Abhijeet Bansod, Alumni and trainer, J.D Mushrooms, Bhilai 3. In this entire experience, aspirants were taught to prepare the manure, its turning process to increase its fertility, constant addition of water to maintain moisture and chemicals to increase its ph to its optimum. Later, they also learnt about spawn production and cultivation as well.
- Workshop on Yoga: As important it is to take a good diet, it is important to work on staying healthy too. Keeping in mind a brief yet a very fruitful session was organised under the expert guidance of Mrs. Neera Singh, Dept of Yoga, Govt. VYT P.G College of Science, Durg. This session was comprised of different types of yogasan for cervical, muscle or ligament issue, blood pressure, self rejuvenation and breathing techniques.

**Outcome:** This entire 30 day workshop and training program, not only enlightened the aspirants about health, being active but also about entrepreneurship. Overall it was a very productive program.

### Photographs: -



#### **New Course Affiliation Order**

