

SHRI SHANKARACHARYA MAHAVIDYALAYA, JUNWANI, BHILAI

DEPARTMENT OF COMPUTER SCIENCE

EVENT REPORT

Session – 2022-23

Date :-05/01/2023 To 09/01/2023

Time:-11:00 AM

Topic :- Certificate Training Program on Machine Learning

Speaker :- Mr.Prashanth N Data science trainee

No of participants:

Platform:- Blended

DAY-1

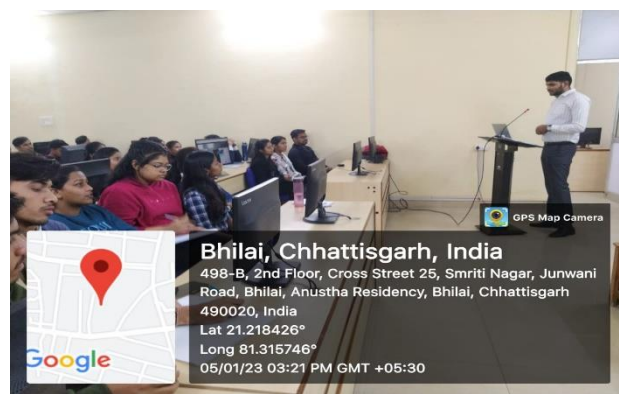
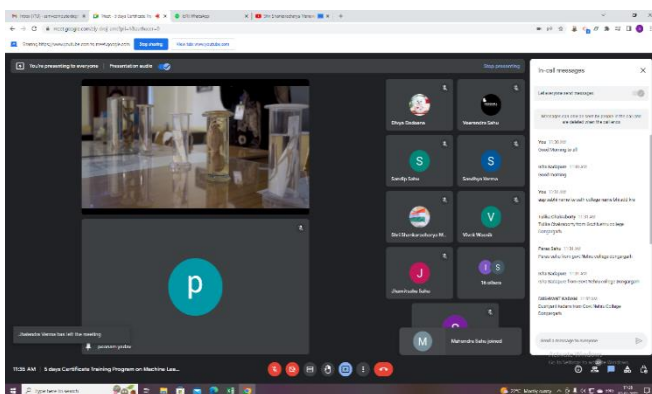
The Division of Computer Science of Shri shankaracharya Mahavidyalaya Junwani Bhilai has Organized 5 days certificate preparing program on Machine learning in collaboration with MoU accomplice Anion softtech from 05/01/2023 to 09/01/23. This certificate preparing program was conducted in mixed mode. In conjunction with the understudies of Shri shankaracharya Mahavidyalaya Junwani Bhilai the understudies from exterior has too taken part within the program.

Keynote speaker of the day was Mr. Prashanth N Information science learner at Rustamji Established of Innovation, Border Security Constrain (BSF) Institute, Tekanpur, Gwalior 474005 Andhra Pradesh, India. After that our head of the division, Mr. Thakur Devraj Singh was welcomed for the introduction of the program approximately the distinctive module of the preparing program like Presentation to Machine Learning , Administered and Unsupervised Learning , Outfit and Probabilistic Learning etc. The Dr. J Durga Prasad Rao sir told that how Machine learning and its application make our life less demanding such as Self Driving Cars , Activity Alarms , Google Interpret etc. At that point the have welcomed honorable vital madam Dr. Archana Jha to address the members. She clarify particpants around the significance of machine learning. She saluted the organizers and spurred the understudies. Mr.Prashanth N sir was welcomed by the have.

The speaker of the day, Mr. Prashanth N., explained the learning and importance of machine learning and artificial intelligence and shared his thoughts on machine learning and data science from the perspective of an industry expert. "Data is the new oil, one of the most valuable resources in the world". Mr. Prashanth N. enlightened about the differences between artificial intelligence, machine learning and deep learning. He explained the job dimensions with the help of various diagrams and the trend of machine learning in the job market. He then explained learning models, geometric models, probabilistic models and logical models. He also talked about the different types of machine learning and gave various real-world examples. And Sir said that Python is the ideal tool for machine learning because it is easy to implement. Finally, he further talked about the applications of data science and machine learning in industries such as financial services, transportation, telecom, etc. Our honorable HOD Mr. Thakur Devrar Singh ended the program on a positive note to motivate and encourage the participants and he also thanked Mr. Prashant N who was today's speaker.

Outcome:

With the information given by the keynote speaker, students gained comprehensive knowledge about machine learning, artificial intelligence, data science, deep learning, the trend of machine learning in the job market, learning models, geometric models, probabilistic models, logical models.



DAY-2

Day 02 of Machine learning was held on 06-01-2023 by the Department of Computer Science of Shri Shankaracharya Mahavidyalaya Junwani Bhilai. Today's keynote speaker was Prashanth N. The host invited HOD Mr. Thakur devraj singh to inaugurate the program, sir welcomed the guest as well as students. After this, the host invited the respected additional director Dr. J. Durga Prasad sir to address the students. Prashanth N started the program by saying that the students should be interactive to make the session fruitful. He asked the students about their learning in the last session and then he explained the difference between learning and programming by giving a real-life example. After that, he explained supervised and unsupervised learning, decision trees, classification and regression trees regression, linear regression, multiple linear regression, Logistic regression, and neural networks. He further explained the History of neural networks, neural networks work, Types of neural networks, and Neural networks vs. deep learning, and along with it,

he showed live practicals on neural networks. He further conducted a quiz in which all the students participated and everyone enjoyed the quiz competition. Our HOD thanked Mr. Prashanth N sir and said that he indeed motivated the students about Neural Networks. At last, the host gave the vote of thanks.

Outcome:

With the information given by the keynote speaker, the students got complete knowledge about the difference between learning and programming, supervised and unsupervised learning, decision trees, classification and regression trees regression, linear regression, multiple linear regression, Logistic regression, History of neural networks, neural networks work, Types of neural networks, Neural networks vs. deep learning.

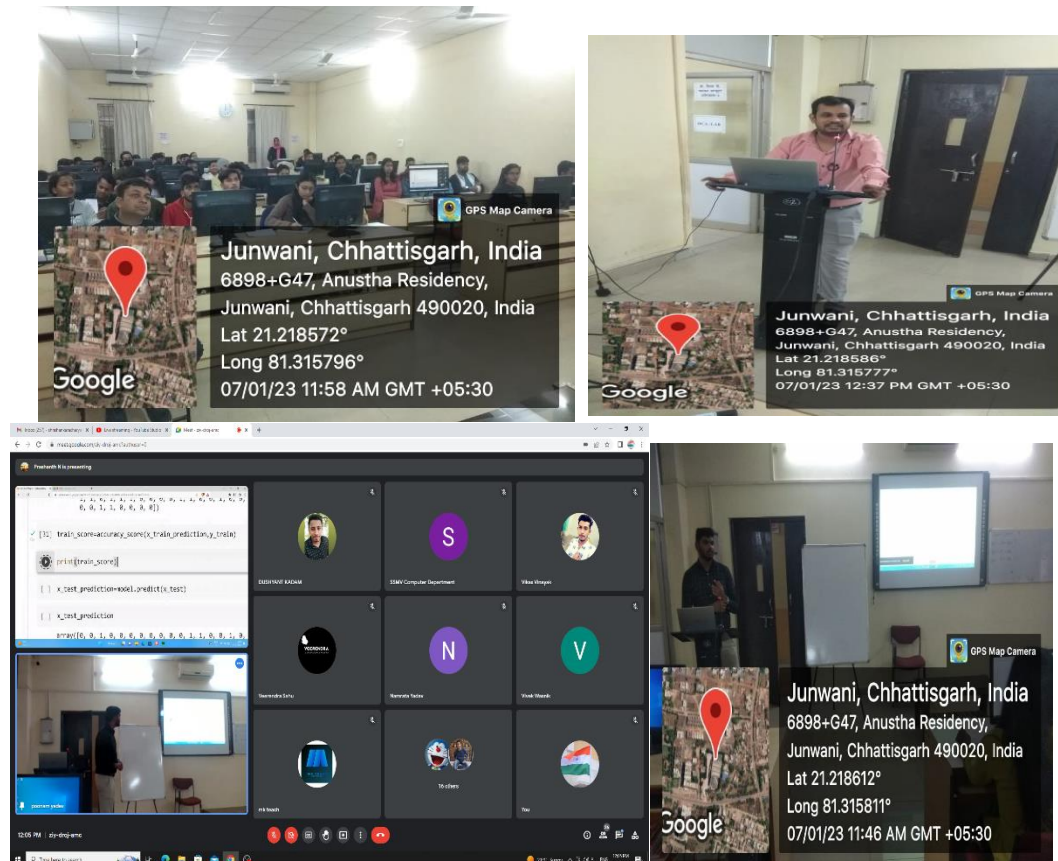


DAY-3

Day 03 of Machine learning was held on 07-01-2023 by the Department of Computer Science of Shri Shankaracharya Mahavidyalaya Junwani Bhilai. Today's keynote speaker was Prashanth N The host invited HOD Mr. Thakur devraj singh to inaugurate the program, sir welcomed the guest as well as students. After this, the host invited an additional director Dr. J. Durga Prasad sir to address the students. Mr. Prashanth N started the program by saying that the students should be interactive to make the session fruitful. He asked the students about their learning in the last session and he explained perception & explained Multilayer perception. Lately, he explained what is kernel function and discussed the difference between linear and Non-linear. Then he explained k Nearest Neighbors & Introduction to clustering, K-means clustering, and K-mode clustering. After that sir explained Model Combination Schemes, Voting, Error-Correcting Output Codes, and Bagging, the main differences between bagging and boosting. At the end of the program, he cleared all the doubts of the participants and students were asked to give their feedback. At the ended Our HOD thanked Mr. Prashanth N sir that he indeed motivated the students about Machine learning.

Outcome:

With the information given by the keynote speaker, the students got complete knowledge about perception & explained Multilayer perception, and kernel function and discussed the difference between linear and Non-linear, k Nearest Neighbors & Introduction to clustering, K-means clustering, K-mode clustering, Model Combination Schemes, Voting, Error-Correcting Output Codes, Bagging, the main differences between bagging and boosting.



DAY-4

Day 04 of Machine learning was held on 08-01-2023 by the Department of Computer Science of Shri Shankaracharya Mahavidyalaya Junwani Bhilai. Today's keynote speaker was Prashanth N The host invited HOD Mr. Thakur devraj singh to inaugurate the program, sir welcomed the guest as well as students. Mr. Prashanth N started the program and asked the students about their learning in the last session. Sir explained Gaussian mixture models & their algorithms, Information Criteria, Nearest neighbor methods, K-Nearest Neighbour, and Distance Measures with examples. After that, he explained Non-deterministic Rewards and actions, temporal-difference learning, the Relationship to Dynamic Programming, Active reinforcement learning, Generalization in reinforcement learning, and the difference between reinforcement learning and dynamic programming. After that, he explained the Basics of Sampling Theory and the method of sampling with examples. Our HOD thanked Mr. Prashanth N sir that he indeed motivated the students about Machine learning.

Outcome:

With the information given by the key note speaker, the students got complete knowledge about Gaussian mixture models & its algorithms , Information Criteria , Nearest neighbour methods, K-Nearest Neighbour , Distance Measures, Non deterministic Rewards and actions, temporal-difference learning, Relationship to Dynamic Programming, Active reinforcement learning, Generalization in reinforcement learning , Basics of Sampling Theory.



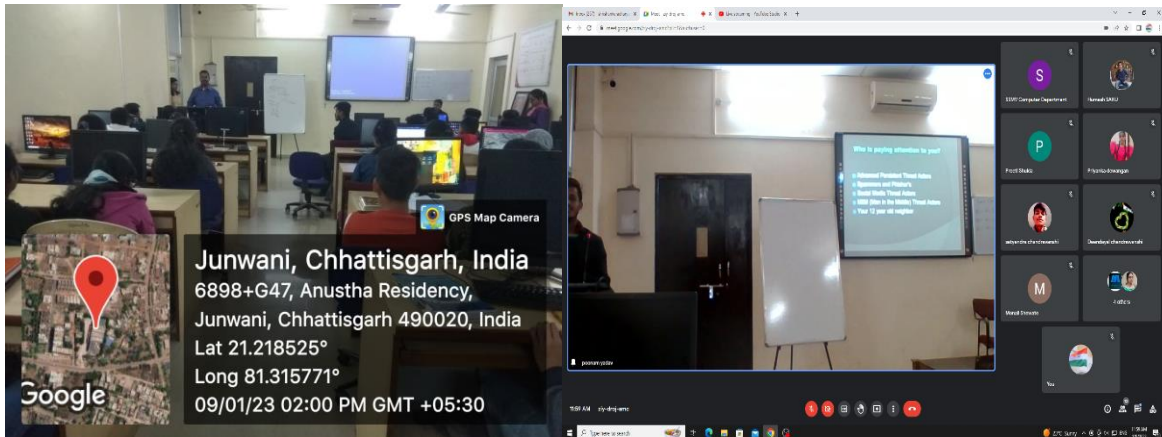
DAY-5

Day 05 of Machine learning was held on 09-01-2023 by the Department of Computer Science of Shri Shankaracharya Mahavidyalaya Junwani Bhilai. Today's keynote speaker was Mr. Saurabh Jain. The host invited HOD Mr. Thakur devraj singh to inaugurate the program, sir welcomed the guest as well as students. Mr. Saurabh Jain started the program same basic question of machine learning. Sir explained Genetic Algorithms and working of Genetic Algorithms, Hypothesis Space Search, Fitness Function and Selection, Models of Evolution and Learning. He then explained Classification problems in language: word-sense disambiguation, sequence labeling. Hidden Markov models (HMM's). He also talked about the different types of machine learning and gave various real-world examples. At the end of the program, he cleared all the doubts of the participants and students were asked to give their feedback. In the end, the HOD sir delivered a speech and encouraged and he indeed motivated the students about students obtained a brief knowledge about this trending topic. Machine learning is a subfield of artificial Intelligence which make data-driven decisions and improve over time when exposed to new data and students gained an understanding of various concept of Machine learning.

Outcome:

With the information given by the keynote speaker, the students got complete knowledge about Genetic Algorithms and working of Genetic Algorithms, Hypothesis Space Search, Fitness

Functions and Selection, and Models of Evolution and Learning, Classification problems in language.



नवभारत
सतीसगढ़ • ओडिशा

Rajnandgaon - 11 Jan 2023 - 11rajn2
epaper.navabharat.news

मशीन लर्निंग पर सर्टिफिकेट ट्रेनिंगमें शामिल हुए छात्र-छात्राएं

डोंगरगढ़, शासकीय नेहरू स्नातकोत्तर महाविद्यालय डोंगरगढ़ एवं श्री शंकराचार्य महाविद्यालय जुनवानी भिलाई का विगत दिनों आपसी सहयोग एवं समन्वयक (एम.ओ.यू.) हुआ था जिसके अंतर्गत श्री शंकराचार्य महाविद्यालय के कंप्यूटर विभाग एवं एम.ओ.यू. पार्टनर एनियन सॉफ्टेक द्वारा मशीन लर्निंग विषय पर 05 दिवसीय सर्टिफिकेट ट्रेनिंग प्रोग्राम का आयोजन 5 जनवरी को किया गया. एम.ओ.यू. के तहत शासकीय नेहरू महाविद्यालय डोंगरगढ़ के प्राचार्य डॉ. प्रदीप कुमार जाम्बुलकर के निर्देशन में कंप्यूटर विभाग के छात्र-छात्राओं ने उक्त ऑनलाइन माध्यम से सर्टिफिकेट ट्रेनिंग प्रोग्राम में भाग लेकर सर्टिफिकेट प्राप्त किया. उक्त कार्यक्रम में मुख्य अतिथि सुरेश राव (डायरेक्टर एनियनसॉफ्टेक, रायपुर) व महाविद्यालय की प्राचार्य डॉ. अर्चना झा, डीन (अकदामिक) डॉ. जे. दुर्गाप्रसाद राव उपस्थित थे. इस 05 दिवसीय ट्रेनिंग प्रोग्राम में मुख्य वक्ता ने अपने व्याख्यान दिया. कार्यक्रम का संचालन ऑफलाईन एवं ऑनलाइन (गुगल मीट) दोनों मोड के द्वारा किया गया. ताकि विभिन्न महाविद्यालय के विद्यार्थीगण इससे जुड़ कर लाभान्वित हो सकें. एम.ओ.यू. पार्टनर शासकीय नेहरू स्नातकोत्तर महाविद्यालय डोंगरगढ़ के छात्र-छात्राओं ने जुड़कर प्रमाण पत्र प्राप्त किया.



SHRI SHANKARACHARYA MAHAVIDYALAYA, JUNWANI, BHILAI
EVENT REPORT
Session – 2022-23

Name of the Activity :- One day webinar in IPR

Event Date :- 31 October 2022

No. of Participant :- 119

Event Report :-

An Online Educational Institution Level Webinar (**October 31, 2022**) on *Awareness Programme on Intellectual Property Rights* was organized by **Intellectual Property office India (IPO)** Under **National Intellectual Property Awareness Mission (NIPAM)** in association with **Department of Biotechnology, Shri Shankaracharya Mahavidyalaya Junwani, Bhilai (Chhattisgarh)** which was designed with topics covering various aspects of intellectual Property rights including IPR and Business Competitiveness, Patents, Trademarks and Copyrights, in order to offer a comprehensive an up- to- date knowledge to all the participants.

Dr. Rahul Mene IQAC Coordinator and HoD English introduced the Resource Person of the webinar **Mr. Tamal Saha, Examiner of Patents & Designs & NIPAM Officer (Gr. 'A' Gazetted), The Patent Office Kolkata, DPIIT, Ministry of Commerce and Industry, Government of India.** Speaking on the occasion, **Mr. Arnab Bhattacharya Examiner of Patents & Designs & NIPAM Officer (Gr. 'A' Gazetted), The Patent Office Kolkata, DPIIT, Ministry of Commerce and Industry, Government of India,** made an overview of patent, design and IPR in totality and called upon the delegates to make themselves aware of the benefits of filing applications for patents and industrial design with IP office and making a commercial use of it. He also said that Indian higher education institutions are lagging behind in filing patents for innovation as focus is more on publishing research papers than going for patenting innovation.

Resource Person of the Webinar **Mr. Tamal Saha Examiner of Patents & Designs & NIPAM Officer (Gr. 'A' Gazetted), The Patent Office Kolkata, DPIIT, Ministry of Commerce and Industry, Government of India,** made an overview of Patents, its types and its examples along with interesting court cases. He also explained the procedure to get a patent in India and emphasized upon as to how to translate research into patent.

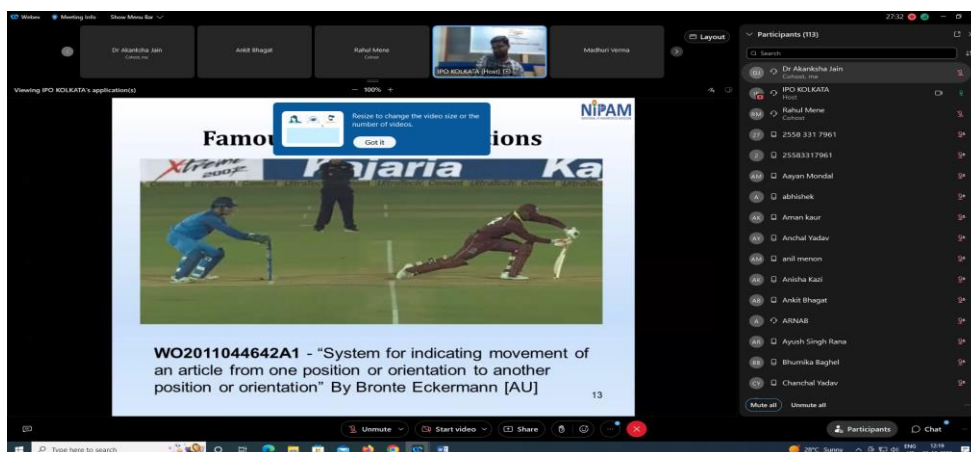
Outcome:

The session of current webinar explains the role of IPR (Intellectual Property Rights) which is to project innovations by promoting and safeguarding the interests of the innovators which is extremely important and thus, is the need of hour. Along with that, it'll discuss how IPR can be implemented in the college. It'll ventilate how IPR in institutions aims to protect and manage the Intellectual Property Rights such as patent, copyright, trademark, etc. with legal support. The webinar will discuss everything from the importance of IPR to the advantages of IPR cell in university.

Faculty of other colleges also impress this session and congratulate telephonically for success of workshop related to patent.

In the end Resource Person of the Webinar Mr. Tamal Saha shared an interesting video clip “IP is everywhere!” giving an insight of Intellectual Property Rights in a colloquial manner through the link <https://youtu.be/e22mTmznSA>

Photographs:



Brochure







Government of India
 Ministry of Commerce and Industry
 Department for Promotion of Industry and Internal Trade
 Office of the Controller General of Patents, Designs & Trademarks

IPR Awareness Programme

(Under National Intellectual Property Awareness Mission)

In association with

SHRI SHANKARACHARYA MAHAVIDYALAYA, JUNWANI, BHILAI

WEBINAR ON IPR - PATENTS AND DESIGN

31ST OCTOBER 2022
12.00 - 01.00 PM

Platform: Webex meetings
 Registration: Free
 For further details see the message below

<p>PATRON DR. J. DURGA PRASAD RAO Incharge Principal Shri Shankaracharya Mahavidyalaya</p> <p>SPEAKER MR. TAMAL SAHA EXAMINER OF PATENTS & DESIGNS THE PATENT OFFICE, KOLKATA, DPIIT, MINISTRY OF COMMERCE & INDUSTRY, GOVERNMENT OF INDIA</p>	<p>PATRON DR. ARCHANA JHA Vice Principal Shri Shankaracharya Mahavidyalaya</p> <p>NIPAM COORDINATOR MR. ARNAB BHATTACHARYA EXAMINER OF PATENTS & DESIGNS (GR 'A' GAZETTED) AND NIPAM OFFICER PATENT OFFICE, KOLKATA</p>	<p>CO-PATRON DR. RAHUL MENE IQAC Cordinator Shri Shankaracharya Mahavidyalaya</p> <p>PROGRAM COORDINATOR DR. AKANKSHA JAIN Assistant Professor Biotechnology Shri Shankaracharya Mahavidyalaya</p>
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Registration Link:

<https://forms.gle/zqi5faKKWbzjQDBj8>

Meeting Link of the Webinar:

Join from the meeting link

<https://patentofficekolkata.webex.com/patentofficekolkata/j.php?MTID=mf0af22ea98afe34f32927063d4654beb>

Certificates:



Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE

This is to certify that, **DR. AKANKSHA JAIN** of **SHRI SHANKARACHARYA MAHAVIDYALAYA** co-ordinated in conducting the Intellectual Property Awareness program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION
on **October 31,2022**

Organized by
Intellectual Property Office, India

Date:October 31,2022




(Prof. (Dr) Unnat P. Pandit)
CONTROLLER GENERAL OF
PATENTS, DESIGNS & TRADE MARKS



Government of India
Ministry of Commerce and Industry
Department for Promotion of Industry and Internal Trade
Office of the Controller General of Patents, Designs and Trade Marks

CERTIFICATE

This is to certify that, **DR. AKANKSHA JAIN** of **SHRI SHANKARACHARYA MAHAVIDYALAYA** has successfully participated in IP Awareness/Training program under

NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION
on **October 31,2022**

Organized by
Intellectual Property Office, India

Date:October 31,2022




(Prof. (Dr) Unnat P. Pandit)
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