DR. AMBEDKAR COLLEGE,

DEEKSHABHOOMI, NAGPUR

DEPARTMENT OF COMPUTER SCIENCE

VIRTUAL WORKSHOP ON EMERGING TECHNOLOGIES AND THEIR APPLICATIONS IN COMPUTER SCIENCE.



REPORT

Department of Computer Science in association with Brillect Technologies Pvt. Ltd.organised one day workshop on EMERGING TECHNOLOGIES AND THEIR APPLICATIONS IN COMPUTER SCIENCE.

on Saturday, 29th of May 2021.

Number of students present:70

The workshop was successfully executed online conducted by the Department of Computer Science, Dr. Ambedkar College, Deekshabhoomi, Nagpur.

The workshop is organized considering the exposure and to enlighten the knowledge of the students in the subject for their future. The workshop mainly focused on information regarding different technologies in the market in present time, usage of those technologies, learning it and how BrillectTechnology Pvt. Ltd.is helping to do so. It also focuses on detailed information regarding Machine learning in order to give a detailed jist about the above given subjects.

Owing to the pandemic this year the DepartmentComputer Science organized the workshop in online mode, more than **70 students** and the respective faculty members and Head of the department ,also the Director of Brillect and software developer and team leader were present .Dr. P. V. Nimbalkar,Head,Department of Computer Science gave the introductory remark and purpose of the workshop

Technical Session 1:Dr. Arshad Shareef ,Director,Brillect Technology pvt. Ltd.

The first session was conducted by the <u>Director Arshad Shareef</u> himself and he started by a detailed introduction of what are the different technologies in today's market? Realtime Use of these technologies. How these technologies work Behind the screen? Scope of learning these technologies and How they are helping to do so? Taking reference of Data Science, Cyber Security, Artificial Intelligence, and Machine learning etc.

Giving a brief about Artificial Intelligence he explained how its definition is something that we still don't know yet even after its 50-70 years of establishment. Gave the information about Sophia the Robot. Gave knowledge about Data Science as it is the technology to make sense of complicate data. Explaining it as the combination of every field whether its Computer Science, Mathematics and Statistics, Machine learning, Business and Research. Explained about why we go for python only?

Gave summary knowledge about Big Data Analytics, also explained about Dev Ops with reference to the example of Cryptocurrency. Also told about Future Scope of learning the tech.

At the end of his session he gave details regarding Brillect and about their corporate training, project development and etc for youngsters especially for students. It's the first company in Nagpur which is tied upto a US based company to train students and provide well to do jobs to students.

Technical Session 2:Mr. Kalpesh Pimpalekar, Team leader and Senior softwaredeveloper, Brilect Technology Pvt. Ltd.

The next session was addressed by *Kalpesh Pimpalekar* the **Team leader** and Senior softwaredeveloper. He gave a detailed knowledge regarding Machine Learning and its Case Study. He made us understood that Machine learning is necessary to make our computer so intelligent so that they perform their own programs by only inputting the data and expected output which in turn gives us the required program. He mentioned about different types of Machine learning. He explained it by giving the example of present time You Tube videos.

Mr. Kalpesh explained in detail how does the Machine learning work. Mentioned about different scenario according to user need. Also told about the daily usage of Machine learning Algorithm. According to him python is very good option to get a good hold on languages and for Machine learning and Artificial Intelligence Python is must. He explained us about future scope of ML like in Automotive Industry, Robotics, QuantamComputing, Computer vision, Business Analytics and etc. He mentioned about the importance of AI in future and also regarding the jobs in those fields. He ended his session with a Quote by NASA on AI.

The workshop concluded by expressing a vote of thanks to the guests and students to for their time and making the workshop successful. Special thanks was for <u>Mr. Nehal Tembhurkar</u> who is a **software developer** at Brillect and was an **Alumni of Dr. Ambedkar College** who also helped to arrange this workshop for his juniors. The Workshop was of great success. It helped students to know about something new and prepare themselves for their bright futures. The Lecture came to an end with the students getting a deep knowledge about the emerging technologies and their application.

Screenshots of the Workshop in Chronological order:























