#### Message from Desk of Editor



Dr. Rama Kant Editor-in-Chief

We are glad to bring out the Issue 3 of Vol. 3 of our eNewsletter TECHKNACK. Carrying forward our agenda of information clubbed with entertainment, this issue features variety of news and soft features. This issue addresses, departmental activities, faculty achievements, extracurricular activities, student achievements and new technologies that came into existence.

I really appreciate the efforts done by Er. Gopalji Varshneya, Asst. Professor and Mr. Govind Ram, Programmer cum Technical Assistant.

Techknack is thankful to all who contributed to this issue. We are equally open to comments, criticism and suggestions to make it more informative.

#### **OTHER ACHIEVEMENTS**



Ishika Panwar First Topper - 83.20% in 4th year



Shobhit Rajawat First Topper - 86.42% in 2nd Year



Utkarsh Chakrawarti
First Topper - 86.30%
in 3rd Year

#### Fourth Year TOPPERS

- ▲ Ishika Panwar
- ▲ Shivanshu Kumar Singh
- Manasi Gautam

#### Third Year TOPPERS

- Sakshi Malhotra
- ▲ Km. Anjali Yadav

#### Second Year TOPPERS

- Shobhit Rajawat
- ▶ Hemant k Agrawal

#### FEW NOTABLE ALUMNI









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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

# GL BAJAJ Group of Institutions FIND YOUR SPARK

# eNewsletter

GL BAJAJ GROUP OF INSTITUTIONS (AN INTEGRATED CAMPUS)

# What's Inside

Departmental Activities

Student Achievements

Faculty Achievements Latest Trends & Technologies

- **☑** ARTIFICIAL INTELLIGENCE
- **☑** MACHINE LEARNING

#### **About CSE Department**

The Department of Computer Science & Engineering at GL Bajaj Group of Institutions, Mathura was established in the year 2009 with a vision to help the IT boom and fulfill the need of dynamic Software Engineers globally. Since then, especially in the last eleven years of the IT revolution, the department has taken long strides and is now among one of the best department in the college. The Department aims to nurture students in terms of modern computer techniques and to prepare them, to cope well with the technical advancements in future. Computer Science being the flagship branch of Engineering takes focus in scientific research, scientific programming and software engineering.

We are glad to introducing two new specialization branch from this session:

- 1. CSE Artificial Intelligence
- 2. CSE Artificial Intelligence & Machine Learning





#### - Departmental Activities -

# Workshop on Latex under FDP

The workshop was held on 10th January, 2020 for the need of technical skills updation in current scenario and introduced the concepts of LateX language from basics in first session of talk.



The second session was started with the advanced concepts of writing and presentation in LateX. He also discussed the use of Miktex console and different editors of LateX. Handon practice was also carried out by the Faculty under the guidance of Dr. Rama Kant Baghel. Entire workshop was well supported by all the faculty & staff members of CSE department. About all faculties and HOD's of all departments like ECE, CSE, Mechanical and Civil has participated in this session of faculty development program.



# Motivational Talks (BELIEF: AGAINST ALL ODDS)

The motivational talks was held on 27th January, 2020 to tells about the power of confidence by by delivering a motivational session on "BELIEF: AGAINST ALL ODDS". In this talk Mr. Keshav Gaur, Founder CEO of VOYAGER Consulting Group tells about how to get motivated when the clouds are dark. He also discussed about the problem of demotivating of students because of lack of confidence and said to avenge the defeat whenever gets hurt or defeated. The workshop was concluded with vote of thanks speech by Er. Praveen Kumar Rai. Entire workshop was well supported by all the faculty & staff members of CSE department.

About 120+ students and faculty members from CSE departments participated in the workshop.

The event was successfully coordinated by Mr. Keshav Gaur, Founder CEO of VOYAGER Consulting Group.





#### - Departmental Activities -

# Workshop on Big Data and Machine Learning

The workshop was opened with a start speech by Dr Rama Kant, Head, CSE. He welcomed Nihal Jaiswal, Abhishek Singh Rathore and Amit Jaiswal of Aspirevision Education Pvt. Ltd. Dr. Rama Kant briefly introduced the need of technical skills updation in current scenario. Mr. Amit Sonkar introduced the concepts of Big data and ML from basics in first session of talk.



The second session started with the deep concepts of Machine Learning and Big Data. He also discussed the use of Python in machine learning and deep learning. Hand-on the practice was also carried out by the students under the guidance of Mr. Abhishek Singh Rathore and Nihal Jaiswal.



#### Winter School 2020

This training session coordinate by Dr. Rama Kant Baghel about the basics LateX , recent trends and Apache Hadoop. He also discussed the use of Python and R in machine learning



and deep learning. Hand-on practice was also carried out by the students under the guidance of Dr. Rama Kant. The soft skill session are also conducted by Dr Kant. The workshop was concluded with vote of thanks speech by Er. Sanjiv Agrawal. Entire workshop was well supported by all the faculty & staff members of CSE department.

Students also implemented the real time face detection, data analysis using Python and R.



Students and faculty members from CSE departments participated in the workshop. The event was successfully organized.



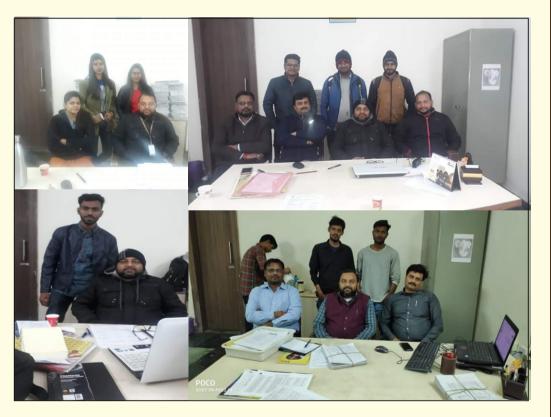
#### - Departmental Activities -

#### -Alumni Connect Program-

Alumni Connect program is conducted round the year in the department under the great mentorship of respected Director, Dr L K Tyagi.

It is the vision of Director sir for organizing Alumni connect program during semester. In this program distinguished Alumni come and share their views with the Institute, the Department and students.

It provides a good platform for feedback to the Institute and the Department. It also provides a mean for interaction among students with their seniors as technocrats. Alumni also provide the knowledge of cutting edge technologies.



#### - Extra Curricular Activities -

#### Dr. Abdul Kalam Art & Cultural Fest 2020

Students have participated and win the 2 silver and 1 bronze medals in different events in state level Cultural Fest-2020

Silver Medal

Mehndi Design- Muskan Sharma & Monika Sharma

Meme Poster- Surath Singh, Ayush Dube, Shivam Sharma, Utkarsh

Chakravarti, Shubham Mittal & Atharva Mishra.

Bronze Medal

Face Painting- Alisha Saifi & Shubhi Johari

#### **Annual Sports Meet 2020**

**Badminton** (Boys)- **Winner** (Capt. Abhishek Kumar Ist Year)

**Badminton** (Girls)- **Winner** (Capt. Alish Saifi 3rd Year)

• Cricket (Boys)- Winner (Capt. Adarsh 3rd Year)

• Volly Ball (Girls) - Winner (Capt. Shubhi Johari 3rd Year)

• Volly Ball (Boys)- Runner-up (Capt. Raghvendra Pratap Singh Ist Year)



#### - Latest Trends & Technologies -

#### **ARTIFICIAL INTELLIGENCE**

- A branch of computer science that focuses on creating intelligent machines which work as human beings.
- AI machines are designed to perform various tasks including speech recognition, learn, perceive, plan and to solve real problems.
- These machines are able to perform these actions if they have been fed with adequate knowledge about the world.
- An AI machine is capable of using its inputs to deduce key aspects of the problem.
- One of the fields that is closely related to AI is robotics.

#### Artificial Intelligence

#### **Machine Learning**

#### **Deep Learning**

Computers making decisions where decision criteria do not have to be defined or guided.

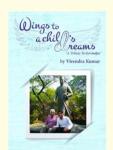
Computers making decisions without being explicitly programmed.

Computers making decisions with logic

#### **MACHINE LEARNING**

- Machine Learning can be loosely interpreted to mean empowering computer systems with the ability to "learn".
- The learning can be done with or without any supervision. It is a method of training algorithms such that they can learn how to make decisions.
- The intention of ML is to enable machines to learn by themselves using the provided data and make accurate predictions.
- Training in machine learning entails giving a lot of data to the algorithm and allowing it to learn more about the processed information.

#### - Student Achievements -



Patent- Startup "DIGITAL MAZDOOR"
has been patented (Patent no. 201811026430)
by Government of India, which is
developed by Mr. Virendra Kumar. He
has also published the book "Wings to a
Child Dream".



• Around 100+ students participated in Innovative competitions at National level like SIH-2020, HACKSAGON-2020.

Students grabbed internship with attractive perks in MNCs

#### - Placements-

Overwhelming 92% placements of pass out batch 2020. More than 95 companies flocked at our campus.



#### - Faculty Achievements -

Dr. Rama Kant Baghel, HOD of CSE attended one day FDP on "Capacity Building in Academia for Implementing One District One Product (ODOP) Scheme" at UPID AKTU Campus Noida.







