

NEWS LETTER

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

About The Institute

GL Bajaj Institute of Technology and Management is one of the quality driven Educational Institute in the Greater Noida/Delhi-NCR Region. GL Bajaj stands out as one of the best engineering and management college in UP. It also stands out in its approach to assist and equip the students for their overall development, giving them a strong foundation for a successful future. The institute offers B.Tech, MBA and MCA programs.

This self financed institute is governed by Rajeev Memorial Academic Welfare Society (Registered Under Societies Registration Act 1860). It is approved by All India Council for Technical Education (AICTE), Ministry of Human Resource Development, Government of India and affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow.

Vision of the Institute

To be an institute of repute, providing professionally competent and socially sensitive engineers.

Mission of the Institute

- To equip with the latest technologies to be globally competitive professionals.
- To inculcate qualities of leadership, professionalism, corporate understanding and executive competence.
- To imbibe and enhance human values, ethics and morals in our students.

**FIND
YOUR
SPARK**



Department Vision

To build strong teaching environment that responds to the needs of industry and challenges of the society.

Department Mission

M1 : Developing strong mathematical & computing skill set among the students.

M2 : Extending the role of computer science and engineering in diverse areas like Internet of Things (IoT), Artificial Intelligence & Machine Learning and Data Analytics.

M3 : Imbibing the students with a deep understanding of professional ethics and high integrity to serve the Nation.

M4 : Providing an environment to the students for their growth both as individuals and as globally competent Computer Science professional with encouragement for innovation & start-up culture.

Program Educational Objectives (PEOs)

PEO1 Graduate will work in the area of Application Software Development, Artificial Intelligence & Machine Learning, Data Analytics, and Internet of Things.

PEO2 Graduate will become successful software professional with leadership and managerial quality in the modern software industry based on their strong skill on theoretical and practical foundation.

PEO3 Graduate will exhibit professional ethics and moral value with capability of working as an individual and as a team to contribute towards the need of industry and society.

Program Specific Outcomes (PSOs)

PSO1 Students will be able to use problem solving skills to develop efficient algorithmic solution.

PSO2 Student will be able to develop solution for a given problem in the area of artificial intelligence, data analytics, Computer Vision and IOT through conducive environment and infrastructure.

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HoD's Message

It is a great pleasure for me that department of CSE is releasing its News Letter. The News Letter is presenting a glimpse of the growth of the institution on many fronts. The essential purpose of a News Letter is to inform, engage, inspire and entertain a diverse readership - including alumni, parents, students, faculty, staff and other friends of the college - by telling powerful stories that present a compelling, timely and honest portrait of the college and its extended family. I express my heartfelt and sincere thanks to all conveners, colleagues and student is who are the backbone of this endowers. I am happy and wish the Newsletter a grand success.

Dr. Sanjeev Pippal
Head of the Department
Computer Science & Engineering

Google Cloud Career Readiness Program



The CSE Department has been organized successfully the **“Google Cloud Jam Career Readiness Program-Coursera”** facilitated by two instructors of Google Team for our students and faculties to facilitate with the new modern technology over the “Cloud” on August 6th 2019.

This one-day program in two session [Morning and Evening] that delivers on-line hand-on-experience in lab that demonstrates various aspects of Cloud Technology that helps the students to build the web site/web site-based applications with-in-a few minutes irrespective of requirement of any hardware machine/software installation.

Expert Lecture on Artificial Intelligence



The Department of Computer Science and Engineering had organized an expert lecture on “Artificial Intelligence” on 13th August,2019 with the aim to impart knowledge about the recent trends of technology. It was scheduled between 10:00AM to 1:00 PM. A total of 85 students attended this lecture.

One day Seminar on Big data & Hadoop



On 22nd August 2019 Under the guidance of our respected H.O.D sir Dr. Sanjeev Kumar Pippal a one day Seminar on Big data & Hadoop took place. The session received an overwhelming response from the students as well as from faculty and students actively took part in it. The session went for 2 hours continuously where our respected speaker explain both of the topics in detail to the students.

Technofilia



Department of CSE organised an inter college event “TECHNOFILIA”19” in which all the students’ from the NCR region are invited to participate. The event consisted of both Technical and Non-technical contests like Mega coding, Switch Hero, Swap around, speed cubing, Short & Sweet, etc which served as a significant platform for students to showcase their technical and non-technical abilities.

Guest lecture on "real life application of data structure"



On 4th September 2019, Under the guidance of our respected H.O.D sir Computer science dept. Dr. Sanjeev Kumar Pippal a lecture was conducted on the real life application of Data structures. The session was taken by Mr. Neeraj Chauhan. He works as a assistant professor in Dept. of CSE, GLBITM, Gr. Noida. This session was conducted for the students of 2nd and 3rd year. Students actively participated in the lecture. Students not only from CS dept but from IT and EC also participated in the lecture. Since Data Structure is one of most important topic for college curriculum as well as for placements also so students were excited about the lecture. The session for held for 1 hour continuously. Mr. Neeraj Chauhan started the session with discussing about the data structure and different types of it like: • Linear Data structure • Non-Linear Data structure

Seminar on Cloud Services



The Department of Computer Science and Engineering organized a guest lecture on "Cloud Computing" lead by Mr. Sarvesh Kumar, certified Cloud computing trainer. He is also specialized in Database Management System, Data Mining, Artificial Intelligence. In this interactive session the students were given a brief description of the following:

- Introduction
- Need of Cloud Computing
- Different types of Cloud Computing
- Roles of Cloud Computing

Expert lecture on "Internet & Web Technologies"



On 13th September, 2019, Under the guidance of our respected H.O.D sir Computer science dept. Dr. Sanjeev Kumar Pippal sir a lecture was conducted on the Internet-web Technology. The session was taken by Mr. Nikhiladheesh Y. He works as a Specialist in Bosch. This session was conducted for the students of 2nd and 3rd year. Students actively participated in the lecture. Students not only from CS dept but from IT and EC also participated in the lecture. Students were excited about the lecture since Internet and web technologies are one of most trending topics. The session for held for 2 hour continuously. Mr. Nikhiladheesh Y started the session with discussing about the what is Internet-web technology exactly is then moved the session discussing the history of it, then he discussed various types of internet-web technologies like: • Browsers • HTML and CSS • Programming Languages • Frameworks • Web Servers • Databases • Protocols

Cisco Workshop



Network Bulls a great name in Training for Networking conducted a 2 Day Workshop on 23 and 24 September at GL Bajaj Institute of Technology. This Workshop was organised by the Computer Science Department and was a great success by the efforts of Mr. Sanjeev Pipal (HOD, CSE Department). Many students participated in the Workshop with full enthusiasm and make it a great experience. The emphasis was given on practical learning rather than Theoretical Learning.

Industrial Visit at NIC, Delhi



The CSE department, G.L.B.I.T.M, has organised an industrial visit to National Informatics Centre, A-Block, Lodhi Road, CGO Complex, Delhi 110003 on Monday, 23 September' 2019. Industrial visits were organized as a part of student's curriculum 5th semester department. This visit was carried out under the activity head of "Industrial visit with report". Total 55 participated in this industrial visit. This industrial visit for students was guided and accompanied by two faculties. The main focus of this industrial visit is to fill the bridge between technical concepts taught in curriculum and industry applied concepts.

Workshop on Java and basic concepts



The Department of Computer Science and Engineering had organized a workshop on "JAVA and its concepts" on 27th September, 2019 with the aim to provide hands on experience with Java programming and its object-oriented features. Students learnt to write, compile and execute Java programs, and build robust applications using Java's object-oriented features. This workshop was also useful in the reference of placement of students.

Dijkstra Grand Challenge (Runtime 1.0)



The CSE Department has been organized successfully the "Dijkstra challenge ". Dijkstra challenge for coding was organized in college for students. Students participated with great enthusiasm. This contest developed the problem-solving capability and thinking out of box.

There were two rounds in the coding contest. The first round was programming round in which the participants were asked to write the programming in basic C language. There were two rounds in the coding contest. The first round was programming round in which the participants were asked to write the programming in basic C language.

GCP Crash Course



Developers Student Club of GL Bajaj conducted a week-long workshop from 9th – 15th October, 2019 to follow the application development track in the college campus. Though we followed only Application Development Track for students following along with us other 3 tracks were also followed by the students. They are as follows:-

1. Application Development Track
2. Machine Learning Track
3. Data Science Track

All these tracks included a set of Hands-on Labs which was provided through the Qwiklabs Platforms.

Industry Interaction



Unlike regular days of regular scheduled classes, CSE department organised an interaction program between IT experts who have experience of working in IT industry and students of 2nd year (CSE and IT) of B.Tech. Nearly 30 students were present there. The programme was started with a little introduction of the three speakers. Then discussion started between students and the speakers in which queries and doubts of students were solved by speakers. The queries were about computer languages, programming problems and many more. In between these discussions speakers also try to create an environment full of energy by cracking jokes to make interaction easier. They also solve problems related to time management.

Crio's Weekend Workshop (Remote-based Online Workshop)



Crio.Do is a Bangalore based start-up who collaborated with D.S.C G.L. Bajaj institute of Technology and Management to conduct a remote-based online workshop on Product Development Using Python. This workshop was one-of-its-kind and was conducted on the Crio.Do platform, where students experienced what it takes to build real product features in a work-like environment and learn key programming & software engineering concepts along the way. It was conducted on the second weekend of November (i.e November 9 - November 10) While going through this, students sharpen their understanding of key concepts like Serialisation, Consuming 3rd Party Rest APIs, Interfaces and experienced the Crio's Learn by Doing methodology.

Industrial Visit at Sopra-Steria, NOIDA



The CSE Department has been organized successfully the "Industrial visit to Sopra Steria India". Seaview Special Economic Zone, building 4, Sector 135, Noida on Thursday, 28 November 2019 that was open for CSE 4th year students. CSE students and two faculties visited Sopra Steria, Noida to interact with the Software Industry. Sopra Steria is a European leader in digital services, providing consultation services also. It also works in the arena of software development. The main focus of this industrial visit is to fill the bridge between technical concepts taught in curriculum and industry applied concepts.

FEST 2019



The CSE Department has been organized successfully the "FEST 2019. Fusion and Integration of Science and Technology (FIST), is the leading professional non-profit Society with an objective to integrate and promote the scientific and technical education among scientists, researchers, professors and students. The society has the great pleasure to welcome scientist and engineers from all over the world to attend 1st International conference on Future of Engineering systems and Technologies (FEST), Dec 21-22nd, 2019. Future of Engineering systems and Technologies is an international peer-reviewed academic conference (FEST-2019) and seeks to provide a forum for a broad blend of high-quality research paper in order to promote rapid communication and exchange between researchers, scientists, and engineers in the field of technologies.

PLACEMENTS 2019-20

PLACEMENT
B.TECH CSE BATCH 2019

APOORVA MISHRA
B.TECH - CS

PACKAGE OF
₹ 9.12
LAKHS PER ANNUM

Heartfelt Congratulations !

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PLACEMENT - B.TECH CSE BATCH 2019

TUSHAR AGGARWAL

PACKAGE: **13** LAKHS PER ANNUM

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PLACEMENT B.TECH BATCH 2019

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Editorial Board Message

It is an occasion of immense pleasure for the Department of Computer Science & Engineering to publish the News Letter. The Editorial board wants to thank all the faculty members and students who have made this issue a success by providing their inputs. This Newsletter focuses on the recent trends evolved in the field of computer science & engineering & wants to provide advanced knowledge and awareness among the students about the same. The Editorial board also wants to thank the Management of the Institute and Head of the department for inspiring us to go forward in publishing this newsletter.

Editorial Board
Dr. Sachin Yadav
Ms. Bhairvee Singh

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