BHAGWAN PARSHURAM INSTITUTE OF TECHNOLOGY

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

Newsletter - July 2023

Learning gives creativity, Creativity leads to thinking,
Thinking leads to knowledge, Knowledge makes you great.
- APJ Abdul Kalam

DEPARTMENT'S VISION

To emerge as a center of excellence, in the field of Computer Science and Engineering & Research, by grooming our pupils with strong conceptual knowledge to enable them as a professional and researcher for the benefit of society.

DEPARTMENT'S MISSION

1.To inculcate self-motivation among the students, who can find and understand the need of the day.
2.To produce best quality professionals with strong conceptual knowledge and hands-on experience.
3.To enable the students to be technically competent among their peers and serve as ethical software professionals.
4.To facilitate industry interaction exposure for the benefit of the stakeholders.
5.To motivate faculties and students for continuous improvement of their academic standards with qualitative research.

PROGRAM EDUCATIONAL OBJECTIVES(PEO)

1.To promulgate strong foundation in Applied Sciences, Mathematics and Engineering fundamentals.
2.To be able to comprehend, analyze and map the computational logics with real time problems.
3.To provide extensive knowledge to design and build products with innovative solutions for problems using their skills in Computer Science and Engineering and other related domains.
4.To inculcate attributes such as self-confidence, ethics, teamwork, leadership skills, communication skills for life-long learning.
5.To succeed with excellence as computer professionals or successful entrepreneurs or pursue higher studies through quality education.

PROGRAM SPECIFIC OUTCOMES(PSO)

1.To develop and integrate knowledge of different disciplines- Computer Science, Electronics, Economics, Mathematics and Statistics to analyze and design computing solutions to solve the problems in different domains.
2.To demonstrate research and technical skills for emerging areas to produce solutions to problems through open source and proprietary platforms.
3.To exhibit the ability to ethically excel in life-long professional career, higher studies and entrepreneurship with good communication, writing and leadership skills for the benefit of society.

PILLARS OF BPIT

PATRON

Shri Vinod Vats (Chairman)

Padma Shree Shri Surender Sharma (Vice-President)

Shri Ram Babu Sharma (General Secretary)

Shri Shambhu Sharma (Secretary)

Shri Sanjeev Sharma (Treasurer)

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Prof. Y D Gaur (Exec. Director)

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Dr. Palak Gidhar (Asst. Prof., CSE)

STUDENT EDITOR

Vibhuti Gupta (3rd year, CSE)

Khushi Kulshreshtha (3rd year, CSE)

DEPARTMENT & ITS SOCIETIES'S EVENTS

With technology becoming increasingly integrated into every aspect of society the college provides education in the field of Computer Science. Computer Science & Engineering department has been dedicated to research and teaching. It provides a conducive environment where students are prepared to innovate, solve problems. The department coordinates career opportunities for its students with industry and government agencies. The department has diverse professional faculty members pertaining to different academic backgrounds to deliver and bring the best out of students.

NSCC BPIT

1.TechXcelerate a series of 12 sessions on different technical fields was conducted by the society and more than 1K people attended it.
2.NSCC conducted an online coding contest Game of Codes 2.O around hundreds of students participated in the event.
3. CodeRush is another big contest conducted by NSCC in March.
4. Time to time NSCC conduct many events for students.

IEEE BPIT

1. IEEE conducted a webinar on open source & development on a big scale.
2. It also conducted #include code competition.
3. SIG on machine learning and python was also a big event conducted by the society and many more events were conducted.

GDSC BPIT

1.GDSC conducted a web campaign in march by Aditya Khandelwal & Kanika Bansal
2.Flutter Festival is another event conducted by the society.

#DEFINE

1.#DEFINE conducted an event on Secrets of Algorithm focussed on DSA.
2.Another big event was Roadmap for programming.
3. It also conducted "CODEXPLOIT:HACKING AI" hundreds of students attended the session.

ANVESHAN

1.Conducted an event on GATE exam in collaboration with Unacademy.
2.A web3 cohort on Blockchain more than 1K people attended.

HIGHLIGHTS OF THE DEPARTMENT

🥇 ACHIEVEMENTS OF STUDENTS

1.**Pradeepto Sarkar**, third year student have been selected for the 3-Month long MLH Fellowship Software Engineering Batch and he is among the 120 fellows selected globally.

2.**Sezal Sharma**, a second-year student in the CSE department, secured runner-up position in the Miss Rajasthan competition among 5000 talented contestants. She was felicitated by Dr. Jagdish Chandra (CEO of Bharat 24 News Channel and First India) and at Arya group of colleges.

3.**Sakshi Goyal** student of CSE B 2nd year bagged first position in open mic at Lady Irwin college, Delhi. She also bagged first position in poetry in ANUGOONJ fest of GGSIPU.

4.**Harshit Sharma** student of CSE B 3rd year bagged First Position in Hackathon at MAIT,Delhi.

5.**Kirti Singh** student of CSE B 3rd year bagged First Position in webinar conducted within the college.

6.**Anamika Rawat** student of CSE C 3rd year bagged First Position in Full Stack Web Development, Online.

7.**Ekta Bansal** student of CSE C 3rd year bagged First Position in a cultural event in ANUGOONJ fest of GGSIPU and also in MAIT,Delhi.

8.**Ayush Garg** bagged First Position in Ideathon event conducted by Vivekanand Institute of Professional Studies - Technnical Campus.

9.**Ayush** student of CSE C 3rd year bagged First Position in a Quiz conducted Online.

10.**Vishwa Mohan Verma** student of CSE B 2nd year student bagged first position in Nukkad Natak at DIAS, Rohini Sector 25 , Delhi.

11.**Vishwa Mohan Verma** student of CSE B 2nd year student bagged first position in Nukkad Natak at GIBS, Delhi.

12.**Akarshi Goel** student of CSE B 1st year bagged Second Position in a cultural event conducted by MAIT, Delhi.

13.**Aanya Sharma** student of CSE A 1st year bagged Second Position in a cultural event conducted by DIAS Delhi.

14.**Simran Panjwani** student of CSE C 3rd year bagged Third Position in Hackathon at LIMT College Greater Noida.

15.**Prakriti Lohumi** student of AI & DS 1st year bagged first Position in a NSS event conducted by College.

16.**Ekta Bansal** student of CSE C 3rd year bagged First Position in a cultural event in ANUGOONJ fest of GGSIPU and also in MAIT,Delhi.

17.**Kirti Singh** student of CSE B 3rd year bagged First Position in a cultural event conducted by MAIT, Delhi.

🏅 ACHIEVEMENTS OF FACULTY

- Indian Patent Published by **Dr. Palak Girdhar** and **Dr. Charu Gupta.** Patent Application Number: 202341005248 A Title of the Invention: Artificial Intelligence Healthcare Chat bot **system.**

- **Dr. Vishal Khatri** published an Indian patent on MACHINE LEARNING BASED APPROACHES IN SMART ELECTRIC VEHICLES FOR ECODRIVING TO ENERGY ECONOMY MANAGEMENT SYSTEM , N0-202341018533.

- **Dr. Shweta Taneja** delivered a talk on "Reliable and Robust modelling of AI in healthcare" on 16th May 2023 in One Week-Faculty Development Program on "Role of Computational Intelligence in Society" from 15th May to 20th May 2023 held by Bharati Vidyapeeth's College of Engineering.

- **Dr. Mugdha Sharma** delivered a talk on " Emerging IT Technologies and Innovation" gave two in Amity University.

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STUDENTS CORNER

CHATGPT : OPEN AI

ChatGPT is an advanced language model developed by OpenAI. It is built on the GPT-3.5 and GPT-4 architecture and trained using a large corpus of text data sourced from the internet. ChatGPT serves as an AI assistant, capable of engaging in conversational exchanges and providing coherent and contextually relevant responses.

One of the notable strengths of ChatGPT is its ability to comprehend and generate human-like text, making it a versatile tool for various applications. It can answer questions, explain concepts, offer suggestions, and participate in discussions across diverse topics. By leveraging its extensive pre-training, ChatGPT generates responses that often appear natural and fluent.

However, it's essential to acknowledge the limitations of ChatGPT. While it can generate impressive replies, there may be instances where it produces inaccurate or ridiculous information. It lacks a genuine understanding of context and may not consistently provide deep insights or critically analyse information. Moreover, as a language model trained on internet data, ChatGPT may accidentally generate biased or inappropriate content.

To address these concerns, OpenAI has implemented safety measures and modification techniques to enhance the model's behaviour. OpenAI also actively seeks user feedback to improve and refine ChatGPT's capabilities continually. Through ongoing iterations and improvements, OpenAI aims to develop AI systems that are increasingly beneficial and aligned with human values.

In summary, ChatGPT represents a significant advancement in natural language processing, facilitating more interactive and engaging human-AI interactions. It demonstrates the potential of language models in comprehending and generating human-like text, while underscoring the importance of responsible and ethical deployment of such technology.

IEEE