

Department of Computer Science & Engineering

MILESTONE

The Newsletter



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SIGN IN

GEMS POLYTECHNIC COLLEGE

FROM HOD I/C DESK

Dear Students and Faculty Members, As the Head In charge of the Department, it gives me immense pleasure to address you through this newsletter. Firstly, I'd like to commend the unwavering commitment and dedication displayed by both our faculty members and students. Your hard work has been the cornerstone of our department's success. Our department has maintained its reputation for academic excellence, ensuring the delivery of high-quality education. I'm proud to share that our students have demonstrated exceptional performance in their academic pursuits. We've continued to foster an environment that encourages innovative thinking and groundbreaking research. Our faculty's research endeavors have contributed significantly to advancing knowledge in various domains.

Nurturing holistic development remains a priority. We've provided numerous opportunities for students to engage in co-curricular and extracurricular activities, fostering leadership and teamwork skill. Collaboration with industry partners and academic institutions has been instrumental in providing our students with real-world experiences and practical insights. These partnerships have broadened horizons for both faculty and students. As we move forward, our vision is to continuously evolve and adapt our curriculum to meet the demands of a rapidly changing world. We aim to strengthen our ties with industry leaders and further empower our students for success.

I extend my heartfelt gratitude to all members of our department for their tireless efforts and commitment to excellence. Together, we have achieved remarkable milestones and set the stage for even greater accomplishments in the future. Let's continue to work together, supporting each other, and striving for excellence in everything we do.

Warm Regards,

Mr. Ravi Kumar Saksena

Computer Science & Engineering

FROM CLASS ADVISOR ' S DESK

Dear Students,

It is with great pleasure and pride that I address you through this newsletter. I'm delighted to witness the remarkable progress and dedication exhibited by each of you towards your academic pursuits. Your commitment to learning has been truly commendable. I take immense pride in celebrating the achievements of our students, both academically and in various extracurricular activities. Your accomplishments reflect your hard work and determination. As your advisor, I'm committed to providing the necessary support and guidance to help you navigate through challenges and maximize your potential. Remember, my door is always open for any assistance you may need. It's heartening to see our class actively participating in community service initiatives and representing our college in various inter-college competitions and events. Your involvement speaks volumes about your dedication beyond the classroom. Looking ahead, I encourage each one of you to continue striving for excellence. Explore new opportunities, engage in constructive dialogues, and embrace challenges as stepping stones to growth. I want to express my gratitude to all the students for making our class a vibrant and inclusive community. Your enthusiasm and spirit have contributed significantly to the positive atmosphere within our college.

Remember, your success is not just about grades, but about the values, skills, and experiences you gather along this journey.

Wishing you continued success and fulfillment in all your endeavors.

Best Regards,

- ***Mr. Ragland Royal***
- ***Ms. Priyanka Kumari***
- ***Ms. Meena Kumari***

ORIENTATON PROGRAM 2023



An orientation program was held at GEMS Polytechnic College on June 20, 2023 for the computer Science Engineering Department. The students of the department as well as the staff members participated. The program which marked a momentous entry for the incoming cohort into the hallowed halls of academic pursuit commenced with an offering of prayer by Mr. Rama Gopal, the Hon' able Principal of the College.



Followed by a song by a choir of students, Mr. Ravi, the Head of the Department in charge of Computer Science Engineering delivered a welcome speech. Greeting the students and staff, he expressed his excitement and expectations for the upcoming academic year.



Mr. Ranjit Choudhary, the Dean of Academics, addressed the gathering. He provided an overview of the college's academic policies, emphasizing the

importance of discipline and encouraging the students to strive for excellence in the field of their study.



Mr. Vivek, a senior lecturer from the department conducted a session on disciplinary guidelines and outlined the expectations regarding behavior, attendance and academic integrity, ensuring that students were aware of the college's code of conduct.



Mr. James, a lecturer in the department gave a speech on the scope and potential of Computer Science Engineering, highlighting the emerging technologies, career opportunities and the role of computer scientists in shaping the bright future.



Mrs. Priyanka, a teaching assistant interacted with the students on the topic of seeking instant assistance and generous support. She provided reliable information on the availability of various resources such as faculty members, academic advisors and student support

services to guide the students throughout their academic journey.

The orientation program was concluded with a closing prayer lead by Mr. Ragland, another teaching assistant. The Orientation Program was aimed to familiarize the Computer Science Engineering students with the department, college policies, disciplinary expectations, and available support systems. It created an opportunity for interaction, guidance, and motivation to kickstart their academic journey in the field.

INDUSTRIAL VISIT

It was on August 12, 2023 when the third year students from the CSE department went on an industrial visit to the BSNL exchange office at Dalmianagar in Bihar. The objective of this visit was to make Diploma (CSE) students aware of telecom equipment and their functioning in telecommunication and internet technologies, as well as the role of a person in the industry. During the visit, they had a spectacular live observation of the telecommunication program guided by Mr. Vivek Kumar, Mrs. Meena, and Mr. Kumar, the lecturers of the college. As part of the visit, twenty-six students procured accurate information about the working processes of various sections in devices and collected additional methodologies for processing:

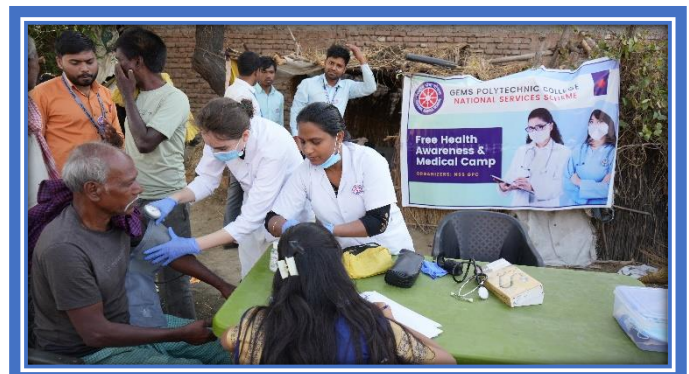
- A working GSM BTS in lab along with actual Tower Antenna
- Broadband Technology
- Optical Fiber Cable and System
- Digital Telephone Exchange
- Fiber to the Home
- IPv6 and computer network

Particularly, students were able to gain comprehensive insights into the field of tele communications and learn about the

data transfer, data reception and voice transmission, as well as the intricacies of connecting bandwidth with various institutions and observe the functioning of optical fiber and its applications.

Further, they witnessed the process of connecting mobile phones to telephone towers while gaining a broad understanding of power supply mechanism during electrical failures and were introduced to the organization and methodology of different devices and sections in telecommunications, providing them with the practical experience in the field. This visit proved to be an enriching and educational experience for the pupils, broadening their knowledge and hands - on skills in the wide world of telecommunications.

MEDICAL CAMP



On 5th April 2023, the National Service Scheme department of GEMS Polytechnic College organized a free medical check-up and health awareness program in Pritampur, a nearby village. The aim of this program was to provide healthcare services to the under privileged and marginalized sections of society who often neglect their health due to lack of resources and awareness and to create awareness and contribute to the betterment of society. The program was at 3:00 PM. and was led by the college CSC HOD Mr. Ravi Kumar Saksena and Mr. Sujeet Kumar

Saksena along with other faculty members.



The event started with a word of prayer by Mr. Ravi and Mrs. Roja, the senior nurse of GEMS Polytechnic College delivered a talk on the importance of Health and hygiene. She emphasized the significance of regular health check-ups and preventive measures to avoid chronic diseases and build healthy habits.

After the health orientation, the faculty members executed a medical check-up program for a group of 75 individuals. The faculty members were divided into separate teams to cater it to both adults and children. During the check-up, the various medical tests such as blood pressure monitoring, recording of medical history, basic eye and dental examinations were performed.

Children having vitamin deficiency were provided with both the multi-vitamin tablets and deworming medicines to improve their health. After the check-up, the medical kit which contained basic cleansers and scrubs was distributed to

each of the attendees to help him/her maintain hygiene and cleanliness. The program received a positive response from the local community with many expressing their gratitude for the opportunity to receive free medical checkups and guidance. The event was successful in promoting health awareness among the attendees and helped to bridge gap between health care services and the underprivileged sections of society. Overall, the event was a great example of how community outreach programs can make a significant impact on society by providing access to essential healthcare services and promoting health education.

ORACLE DATABASE WORKSHOP

AN EVENT TO ENCOURAGE AND ADVANCE STUDENTS TOWARDS CAREER DEVELOPMENT



Oracle Database Administration workshop focused on managing, maintaining and optimizing Oracle databases was organized by Computer Science Department on 9th May 2023 on career opportunities in Oracle database administration. The workshop which lasted for two days took place in the seminar hall and saw the participation of fifty students along with the staff members from the department. Mr. Humaish Zaman Yusufi, an experienced senior consultant at Atos was the guest speaker of the event.



Overview of the Oracle

Oracle database was the first Data Base that designed for enterprise and computing and data warehousing. Enterprise grid computing which uses SQL queries as a language for interacting with the database provides the most flexible and cost- effective way to manage information and applications. The event covered various aspects of Oracle database administration. On the first day, the workshop began with an introduction to Oracle Database Administration, followed by a detailed discussion on the role and responsibility of an Oracle DBA. Mr. Humaish insisted on the importance of acquiring the necessary skills and qualifications for a successful career in this field.

On the second day, the focus was shifted towards exploring the career path and growth opportunities available for Oracle DBAs. The audience was given valuable insights into the industry trend and the emerging technology in the field of Oracle Database Administration.

The workshop concluded with an interactive session where the participants had the chance to clarify

their doubts and gain crystal clear understanding.

The Workshop served as a platform for participants to enhance their understanding of Oracle Database Administration and its career prospects. The engaging sessions and real-world examples shared by Humaish enabled the attendees grasp the practical aspects of the field and obtain crucial information to shape their career paths. The united and dedicated efforts of the staff in organizing this event culminated in great success, assisting the participants to making informed decisions regarding their future career choices.



In appreciation of his contribution, Mr. Ramagopal Challa, The Principal of the College, Mr. Ranjit Chaudhary, Dean of Academics, and Mr. Ravi Kumar Saksena, Head of the Computer Science and Engineering Department presented the guest with a momentum as a token of gratitude and a gift to commemorate his presence and knowledge imparted with the participants.