G.B PANT DSEU
OKHLA-I CAMPUS
(Formerly known as G.B Pant Engineering College)

DSEU
Crafting Excellence

Quarterly Highlights

July-September

2022

CONTENTS

Our Vision

The vision of G B Pant DSEU Okhla-1 Campus is to produce a society grounded in **technological advancement, social justice and equality** by combining **knowledge, creativity ethics** and co-operation

Our Mission

The mission of G B Pant DSEU Okhla-1 Campus is the advancement of knowledge by educating students in Engineering Sciences, Applied Sciences and Humanities. By following a holistic and inter-disciplinary approach, we believe in producing Engineers who would serve the country and the world in the 21st century.

The eminent faculty of the institute is committed in generating knowledge and disseminating it to the students, thereby nurturing them to become torch bearers of knowledge. By combining academic rigour and excitement of discovery in the subject, the faculty is committed to producing students who would become embodiments of intelligence of both theory and practice. The college is committed to the overall development of the students, making them fine citizens dedicated to the betterment of the society.

In the quarter between July and September 22, sopra steria selected two students from our campus at the annual package of 6 lacs per annum and the post offered is software engineer trainee; HUGHES SYSTIQUE CORPORATION selected one student at the annual package of 10.06 lacs per annum, Godrej and Boyce selected 3 students at an annual package of 6 lacs and Polestar Solutions and Services selected nine students at the annual package of 6.05 lac

per annum and the post offered is Business Intelligence Analyst. The campus was also visited by REAL TIME DATA SERVICES. We are presently awaiting the outcome of this placement drive. The company's annual compensation ranges from 5.5 LPA to 7 LPA, and the Posts offered include Software Developer, Information Developer, and Cloud Devops Engineer Some other companies that visited the campus include SS Packagings Pvt Ltd and Tecquire.

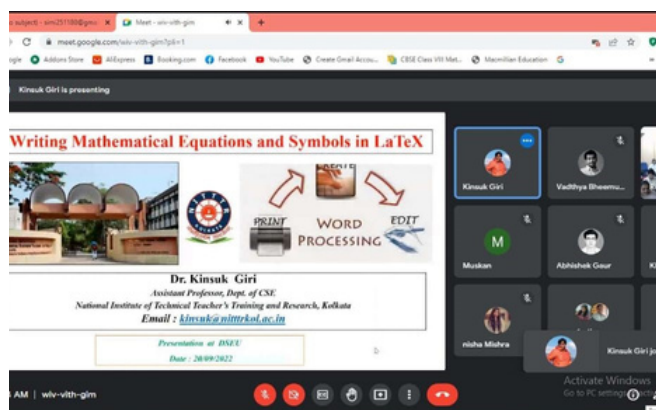| 6L	6L	10.06L	6.05L
CTC by Sopra Steria to 2 students	CTC by Godrej and Boyce to 3 students	CTC by Hughes systique corporation to 1 student	CTC by Polestar Solutions and Services to 9 students

EXTERNAL RELATIONS AND COLLABORATIONS

- The B. Tech second-semester students visited and explored the workshop facilities at Central Workshop IIT Delhi for three days viz. 08, 11 and 12 July 2022. The workshop not only introduced the art and science of manufacturing but also infused confidence to take up product design and manufacturing activities in future. The students' practical experience will support their future career development in specialized manufacturing fields such metal casting, metal forming, machining, welding and joining, CNC machining, and 3D printing and will surely help students compete at national and international level product-building competitions like SUPRA, BAJA, Robocon etc.

EXTERNAL RELATIONS AND COLLABORATIONS

- A Short Term Training Programme (STTP) of 1-week titled "Word Processing with LATEX" was jointly organized (in Hybrid Mode) by NITTTR Kolkata and ECE Department of G.B.Pant Okhla-1 Campus at G.B.Pant Okhla-1 Campus. Total of 50 academicians, research scholars and technical staff from G.B.Pant Okhla-1 Campus and other institutions registered for this 1-week STTP. First of all, campus director Prof. Dipali Bansal inaugurated the event with lamp lighting on the first day (19th Sept 2022). She informed all of the participants to make full use of this knowledgeable course on "Word Processing with LATEX" as LATEX is very much used nowadays for writing the documents as well as research papers. Some of the external participants attended this STTP in online mode while other external candidates participated in the offline mode (at the institute). All the internal faculty members attended in the offline mode on all the 5 days. The STTP ended with a short MCQ-based test followed by a valedictory function on 23rd Sept 2022.

- One Week Faculty Development Programme on "EMERGING TRENDS IN 3D PRINTING & COMPUTER AIDED ENGINEERING" was organized in GB Pant Okhla-1 Campus during July 11-15, 2022, in contact mode at college premises to explore the fundamentals and advances in 3D printing and CAE by providing a common platform to interact with experts in the field. Over 45 participants from various prestigious institutes viz. IIT Delhi, NSUT Delhi, and faculty members from various DSEU campuses enthusiastically participated in the event. The programme basically covered Product Design and Simulation, Demo of 3D Printers & 3D Scanners, Overview of Lifesciences/Bioprinters, Expert Lectures on 3D printing & CAE, Hands-on experience with CAE Software, Design Challenges and Industrial Visit.

- The Department of Defense Production, Ministry of Defense hosted the first-ever "Artificial Intelligence in Defense" (AIDef) symposium and exhibition on July 11 at Vigyan Bhawan in the nation's capital. The event featured an exhibition to showcase the cutting-edge AI-enabled solutions developed by the services, research organisations, Industry and start-ups and innovators and the launch of AI products for the market. The session at Vigyan Bhawan was enthusiastically observed by students from the G. B. Pant Okhla-1 Campus.

- Dr. Dayanidhi Krishna Pathak (AP, MAE), Dr. Rohit Anand (AP, ECE), Sh. C.M. Dharmapuri (AP, ECE), Sh. Ajay Lamba (AP, MAE) visited SIEMENS Centre of Excellence at NIT Kurukshetra. The Siemens Centre of Excellence provides a competency-based learning forum for empowering education to drive innovation. Some of the labs visited by our faculty members are Automation Lab, Process & Instrumentation Lab, Mechatronics Lab, Design and Validation Lab etc.

STUDENT ACTIVITIES AND ACHIEVEMENTS

Plantation Drive

In the last few years, college students have been working to raise awareness about the issue of deforestation in their home countries. This has led to a number of initiatives, including planting trees in order to create a more sustainable future for the forests and people who live there. Plantation drive was organized by youth and Eco Society of G.B. Pant DSEU Okhla-1 Campus on 16.08.2022. It allowed students to get inv-

olved by volunteering their time to plant trees or clean up debris that has been left on campus. The drive also helped in raising awareness about the importance of sustainability and conservation efforts within individual schools' own communities

M.Tech Orientation Programme

The M.Tech orientation for the class of 2022–23 took place at the G.B. Pant Okhla–I campus from September 22–23. It aimed at introducing the new students to life at the Institute and facilitate a smooth transition the new life. The event's chief guest was Shri Sandeep Bathla, Executive Director of Plasser (India) Pvt Ltd, and Vice Chancellor Prof (Dr.) Neharika Vohra presided. The event began with the kit distribution to the students, which was followed by a prayer and a welcome address from the director and vice chancellor.

National Engineers' Day

The IEEE GBPEC Student Branch organized an Expert Talk on the topic "Utilizing College Life as a Budding Entrepreneur" to celebrate National Engineer's Day on 15.09.2022. Our Alumnus Mr Anurag Pandey (B.Tech- MAE, 2014 batch passout) delivered the session. Presntly he is the Founder CEO of the Innovative Concept of AstroCamp and SciComm Group. He is also associated with NITI Ayog as a mentor for Atal Innovation Mission. He has 10+ years of experience of exploring technology & human interaction with behavioural and operational aspects. The students from all the three branches of engineering along with the faculty members attended the enthusiastic

Session. Mr. Anurag discussed about the start of his journey and struggles he encountered to reach his goals, inspiring the youth present. The students asked about the solutions to the problems they are facing. The respected Director (Prof.) Dr Dipali Bansal was also present at the event. She interacted with the students and faculty members by conducting a small fun activity. The session ended with Vote of Thanks to the Guest and participants.

- Harshit Pandey
- B.Tech, Mechanical and Automation Engineering
- Got Admission in MS in Supply Chain Management in Massachusetts Institute of Technology- Zaragoza Logistics Centre

- Vinay Vishwakarma
- B.Tech, Mechanical and Automation Engineering
- Got Admission in M.Tech, NIT Allahabad- Thermal Engineering, GATE 2022 Score-347

- Yash Kumar Tyagi
- B.Tech, Computer Science and Engineering (2018-22)
- Score in GATE 20222- 604 and Rank – 1375

- Aniket Pal
- B.Tech, Electronics and Communication Engineering
- Secured Position 441 in International Rapid Chess Tournament, Position- 14 in International Chess Day, Position-1 in Battle of Chess Competition
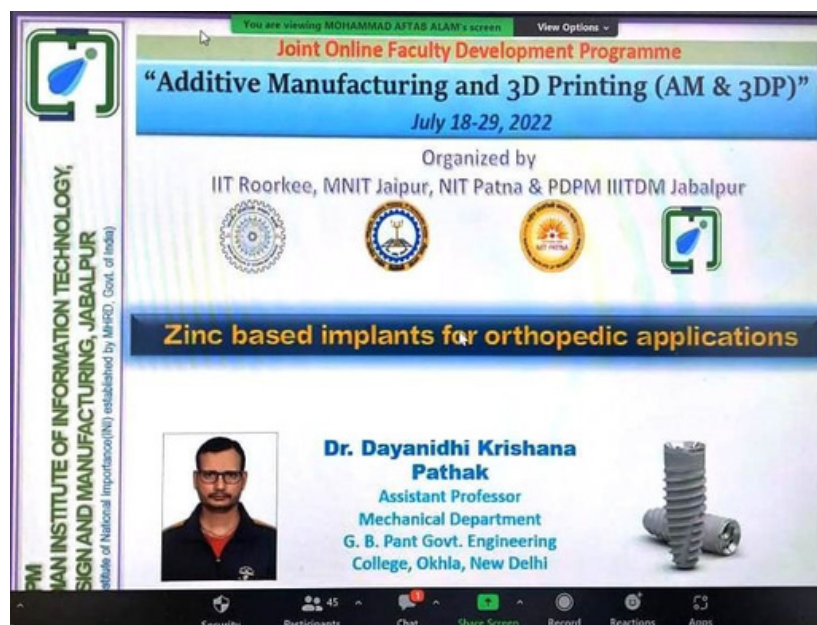

- Team Zenith
- Mechanical and Automation Engineering
- Team Zenith secured the first rank in the people's choice award category with a cheque of ₹5,000, a trophy, and also ISIE future award IKR-22 with a cheque of ₹10,000

FACULTY ACHIEVEMENTS

- Dr. (Prof) Dipali Bansal, Campus Director, G.B Pant DSEU Okhla-I Campus Participated in Summer Faculty Research Fellow Programme-2022 under continuing Education Programme.

- Meivel, S., Sindhwani, N., Valarmathi, S., Dhivya, G., Atchaya, M., Anand, R., & Maurya, S., Design and Method of 16.24 GHz Microstrip Network Antenna Using Underwater Wireless Communication Algorithm, International Conference on Cyber Technologies and Emerging Sciences (ICCTES-2021). Proceedings have been published in 'Lecture Notes in Networks and Systems' - Vol. 467 (Publisher - Springer, Singapore).

- Preeti Katiyar and Krishna Singh, Machine learning Algorithms for binary classification of Breast Cancer, , 9th International conference of Signal Processing and Integrated network.

- Research Paper Titled "PREDICTION OF MOVIE SUCCESS BASED ON MACHINE LEARNING AND TWITTER SENTIMENT ANALYSIS USING IMDb DATA",by the authors Jyoti Tripathi, Sunita Tiwari, Anu Saini, Sunita Kumari has been accepted in Indonesia Journal of Electrical Engineering and Computer Science(Scopus Indexed).

- Research paper Titled, "DynaTrack: Machine Learning Aided Variable Speed Limit System, authored by Sushil Kumar, Sunita Tiwari, Harshit Tewatia, Ankit Jain, Jatin Popli, has been accepted in International Conference on Machine Learning and Data Engineering, Procedia Computer Science.

- Kumar, M., Tevatia, A., & Anurag Dixit. (2022), Damage mechanisms and constitutive models for natural fiber-based green composites: A review. Materialwissenschaft und Werkstofftechnik, 53(9), 1072-1105

- Anand, R., & Singh, J. (2022). Smart Traffic Light Controller Using Edge Detection in Digital Signal Processing. In Wireless Communication with Artificial Intelligence (pp. 251-272). CRC Press.

- Singh, H., Pandey, B.K., George S., Pandey, D., Anand, R., Sindhwani, N., Dadheech, P. (2022). Effective Overview of Different ML Models Used for Prediction of COVID-19 Patients. In: Gupta, M., Ghatak, S., Gupta, A., Mukherjee, A.L. (eds) Artificial Intelligence on Medical Data. Lecture Notes in Computational Vision and Biomechanics, vol 37. Springer, Singapore.

- Anand, R., Sindhwani, N., & Juneja, S. (2022). Cognitive Internet of Things, Its Applications, and Its Challenges: A Survey. In Harnessing the Internet of Things (IoT) for a Hyper-Connected Smart World (pp. 91-113). Apple Academic Press.

- Ajit Kumar, D.K. Mishra, Lokesh Upadhyay, Mayank Srivastava and D.K. Pathak "Additive manufacturing technologies for on-demand production of personalized goods" in "Laser Applications in Manufacturing", CRC Press, Taylor and Francis Group.

- Kumar, A., Nath, G., Venkateshwari, P., "Walking Assistant for Vision Impaired by Using Deep Learning" In: Gupta, M., Ghatak, S., Gupta, A., Mukherjee, A.L. (eds) Artificial Intelligence on Medical Data. Lecture Notes in Computational Vision and Biomechanics, vol 37. Springer, Singapore .

- Arora, S., Sharma, S., Anand, R. (2022). A Survey on UWB Textile Antenna for Wireless Body Area Network (WBAN) Applications. In: Gupta, M., Ghatak, S., Gupta, A., Mukherjee, A.L. (eds) Artificial Intelligence on Medical Data. Lecture Notes in Computational Vision and Biomechanics, vol 37. Springer, Singapore

- Gupta, A., Asad, A., Meena, L., Anand, R. (2022). IoT and RFID-Based Smart Card System Integrated with Health Care, Electricity, QR and Banking Sectors. In: Gupta, M., Ghatak, S., Gupta, A., Mukherjee, A.L. (eds) Artificial Intelligence on Medical Data. Lecture Notes in Computational Vision and Biomechanics, vol 37. Springer, Singapore.

- Expert Lecture delivered by Dr. D.K. Pathak dated 26.07.2022 on "Zinc based Implants for Orthopaedic Applications" in Faculty Development Programme on "Additive Manufacturing and 3D Printing" held from 18.07.2022 – 29.07.2022 at Indian Institute of Information Technology, Design and Manufacturing, Jabalpur.

Independence Day Celebrations

G.B Pant DSEU Okhla-I Campus joined the nation in celebrating the 75th Independence Day on 15th August 2022, with grandeur, gaiety and enthusiasm. The Director of Campus, Prof. (Dr) Dipali Bansal hoisted the National Flag followed by the National Anthem, in the presence of the students, faculty, staff members. The ceremony continued with dance and singing performance by the students. Thereafter Prof. Bansal delivered highly motivating speech and commemorated the long and consistent efforts put in by the Indian freedom fighters for the country.