



The Beacon

G.B Pant DSEU Okhla-I Campus Newsletter
(Formerly known as G.B Pant Engineering College)



May
2023

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ABOUT US

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.

PLACEMENT HIGHLIGHTS

In the month of May 2023, several students from different disciplines secured job placements with competitive salary packages. Nishek Sharma, a Computer Science Engineering (CSE) student, got placed in Varahe Analytics at a package of 9 LPA. Nitin Kumar, specializing in Mechanical and Automation Engineering (MAE), secured a position in JSW Steel with a package of 7 LPA. Ashwani Chauhan and Anil Kumar, both from the CSE field, were successfully placed in BYJUs with an annual package of 7 Lacs. Mohan Kumar, an Electronics and Communication Engineering (ECE) student, landed a job at Siemens with a salary package of 5 LPA. Abhishek Dharwal, another CSE student, secured a position at Hexadecimal Software Pvt. Ltd. with a package of 4.50 LPA. Ankit Singh, an MAE student, got placed in Dhoot Transmission and Swarn Auto, both offering packages of 3 LPA. Lastly, Sumit Shukla and Sonu, both from the MAE field, secured positions at LAYAM with a package of 3 Lacs per Annum.



Nishek Sharma (CSE)
VARAHE ANALYTICS
9.00 LPA



Nitin Kumar (MAE)
JSW
7.00 LPA



Ashwani Chauhan (CSE)
BYJUs
7.00 LPA



Anil Kumar (CSE)
BYJUs
7.00 LPA



Mohan Kumar (ECE)
SIEMENS
5.00 LPA



Abhishek Dharwal (CSE)
HEXADECIMAL Software
4.50 LPA



Ankit Singh (MAE)
DHOOT TRANSMISSION
3.00 LPA



Sumit Shukla (MAE)
LAYAM
3.00 LPA



Sonu (MAE)
LAYAM
3.00 LPA



Ankit Singh (MAE)
SWARN AUTO
3.00 LPA

EXTERNAL RELATIONS AND COLLABORATIONS

TPO SUMMIT

A TPO Summit was organized by S P Jain Institute of Management & Research (SPJIMR) Delhi at Hotel 'The Park', Connaught Place, Delhi on 4th May 2023. Various HRs and TPOs have attended this event. Dr. Rohit Anand (Faculty Incharge - External Relations and Placements) from G.B.Pant DSEU Okhla-1 Campus attended this TPO Summit. The agenda of the meeting was to discuss the future of Campus recruitment in India.



STUDENT ACTIVITIES AND ACHIEVEMENTS

CODE UNNATI PROGRAM

SAP sponsored Code Unnati Program was conducted in Physical Mode by EDUNET FOUNDATION at G.B.Pant DSEU Okhla-1 Campus for the registered students (54) of B.Tech. Final Year - CSE & ECE (2023 Batch) on 27th April, 4th May and 11th May 2023. Their expert Miss Usha Mary Sharma was invited to facilitate these sessions in physical mode. Before these offline sessions, all the sessions of CODE UNNATI Program were being held in online mode since past few months. All the modules of this Program were designed to ensure that the registered students qualify for the final certification as well as job readiness. These sessions were organized at the campus by Dr. Rohit Anand (Faculty In-charge, External Relations and Placements) and Miss P. Venkateshwari (Pre-Placement Training In-charge)



STUDENT ACTIVITIES AND ACHIEVEMENTS

SESSION ON “CELEBRATING INDIA'S PRESIDENCY OF THE G20 SUMMIT 2023”

The event “Session on India's presidency of the G20 Summit 2023” was organized on 29th May 2023 under the guidance of Mr. Vadthya Bheemudu, Faculty Coordinator G20 Event. The following key notes were explained throughout the event.

- **Introduction:** India's presidency of the G20 summit in 2023 presented a remarkable opportunity to showcase its commitment to innovation as a key driver of economic growth and societal progress. Recognizing the transformative potential of innovation, India incorporated it as a central theme throughout its presidency.
- **Key Themes and Priorities:** India's presidency of the G20 summit focused on several key themes and priorities, highlighting the significance of innovation. These included:
 1. **Innovation Ecosystem:** India emphasized the creation of a conducive innovation ecosystem that fostered collaboration, entrepreneurship, and research. It called for dialogue on policies, infrastructure, and funding mechanisms that support innovation-driven economies.
 2. **Research and Development (R&D):** India highlighted the role of R&D in driving innovation and technological advancements. It encouraged discussions on increasing investment in R&D, promoting collaboration between academia and industry, and developing robust intellectual property frameworks.
 3. **Skill Development for Innovation:** Recognizing the need for a skilled workforce, India emphasized the importance of nurturing talent and enhancing skills relevant to innovation. It focused on initiatives such as promoting STEM education, vocational training, and reskilling/upskilling programs.
 4. **Innovation for Sustainable Development:** India underlined the role of innovation in achieving sustainable development goals. It encouraged discussions on innovative solutions for climate change mitigation, renewable energy, waste management, and inclusive growth.

STUDENT ACTIVITIES AND ACHIEVEMENTS

- **Accomplishments and Initiatives:** During its presidency, India launched several initiatives and achieved significant accomplishments in the realm of innovation. These include:

1. **G20 Innovation Exchange Platform:** India proposed the establishment of a G20 Innovation Exchange Platform to facilitate collaboration and knowledge-sharing among member countries. The platform aimed to connect innovators, entrepreneurs, investors, and researchers to exchange ideas, best practices, and foster innovation-driven partnerships.
2. **Startup Support and Mentoring Programs:** India launched initiatives to support startups and promote entrepreneurship. It included mentorship programs, incubation centres, and access to funding to foster innovation-driven startups and facilitate their growth.
3. **Innovation in Agriculture:** Given India's focus on agriculture, it championed discussions on leveraging innovation and technology in the agricultural sector. It emphasized precision farming techniques, smart irrigation systems, and the adoption of digital technologies to enhance agricultural productivity and sustainability.
4. **Collaboration for Research and Development:** India encouraged collaborations among G20 member countries in the field of research and development. It supported joint initiatives, academic exchanges, and technology transfer to foster innovation and address global challenges collectively.

- **Challenges Faced:** India's presidency of the G20 summit encountered certain challenges in advancing the innovation agenda. These challenges included:

1. **Diverse Innovation Ecosystems:** G20 member countries possess varying levels of technological advancement and innovation ecosystems. Harmonizing approaches, policies, and fostering collaboration among member countries with diverse innovation ecosystems posed a challenge.
2. **Funding for Innovation:** Promoting innovation requires substantial financial resources. Ensuring adequate funding mechanisms, attracting investments, and developing innovative financing models for research and development proved challenging.
3. **Intellectual Property Rights (IPR) Frameworks:** Harmonizing IPR frameworks to strike a balance between incentivizing innovation and promoting access to knowledge and technology remained a complex task. Addressing IPR-related.

STUDENT ACTIVITIES AND ACHIEVEMENTS



STUDENT ACTIVITIES AND ACHIEVEMENTS

EXPOSURE VISIT TO INCUBATION UNIT AT IIIT DELHI

On 25th May 2023, the Institution's Innovation Council (IIC) organized an "Exposure Visit to the Incubation Unit at IIIT Delhi". The purpose of this visit was to provide participants with exposure to the process of incubating ideas and transforming them into successful startups. The event proved to be highly motivational for the students and faculty in attendance. Dr. Anuj Grover (Associate Dean IRD), Mr. Naresh Priyadarshi and Mr. Vibhor Chandra Jain at IIIT Delhi provided their full support and cooperation for the arrangements for our visit to their campus

During the visit, the participants were introduced to the intricacies of converting innovative ideas into viable startups that offer valuable products or services. They gained insights into the operations of funding agencies and explored various business models employed by both upcoming and established enterprises that leverage emerging technologies such as artificial intelligence, machine learning, IoT, and drone technology. Overall, the visit proved to be a valuable experience, empowering the attendees with knowledge and inspiration to pursue their entrepreneurial aspirations.



STUDENT ACTIVITIES AND ACHIEVEMENTS

NATIONAL TECHNOLOGY DAY

The Institution's Innovation Council (IIC) organized a captivating National Technology Day Quiz Event on 11th May 2023 under the guidance of Dr. Sunita Tiwari, Faculty Coordinator, Social Media, IIC. This event aimed to foster knowledge and awareness about technology among students while celebrating National Technology Day. The quiz attracted the participation of 61 enthusiastic students.

The quiz proved to be a thrilling and educational experience, providing students with a platform to showcase their passion and knowledge about technology. The questions covered various aspects of technology, including its history, innovations, and recent developments.

The winners of the quiz:

- First Prize: Shubham Vashist (41521066) - CSE IV Sem
- Second Prize: Pratyush (41622018) - MAE II Sem
- Third Prize: Rahul Kumar (41321046) - ECE IV Sem



STUDENT ACTIVITIES AND ACHIEVEMENTS

WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS (IPRS) AND IP MANAGEMENT FOR START-UPS

The Institution's Innovation Council (IIC) organized a highly informative Workshop on Intellectual Property Rights (IPRs) and IP Management for Start-ups on 19th May 2023 under the guidance of Mr. Jayant P. Supale, Faculty Coordinator, ARIIA, IIC,. This workshop aimed to promote knowledge and awareness about IPRs among participants. The event took place in the CIM Lab of the MAE Department, with a total of 40 participants in attendance.

The Workshop on IPRs and IP Management for Start-ups proved to be an engaging and educational experience, providing participants with valuable insights into the world of intellectual property rights. The session on IPRs commenced at 9:00 AM and continued until 2:00 PM, allowing ample time for comprehensive discussions and knowledge sharing.



STUDENT ACTIVITIES AND ACHIEVEMENTS

CAREER OPPORTUNITIES AFTER ENGINEERING EVENT

The Institution's Innovation Council (IIC), in collaboration with Ace Engineering Academy, Delhi, under the patronage of DSEU, organized a highly informative Career Opportunities after Engineering Event on 3rd May 2023 under the guidance of Dr. Anurag Dixit, President, IIC and Dr. Bhajneet Singh, Vice President, IIC. This event aimed to enlighten students about the various career opportunities available for engineering graduates, including GATE, ESE, PSUs Jobs, State Service Commission, and IT/Private sector jobs, along with other competitive exams.

The event focused on introducing students to the salient features of different competitive examinations, including the examination patterns, eligibility criteria, and eligible branches. The seminar was delivered by Mr. Arjun Chhabra, an esteemed faculty member at ACE Engineering Academy. Mr. Chhabra, with his extensive experience of qualifying GATE five times and teaching GATE/ESE/PSU courses for over six years, brought valuable insights to the table. He completed his M.Tech. in Structural Engineering from the prestigious institution DTU.

During the seminar, Mr. Chhabra discussed the various career opportunities available through competitive examinations, government sectors, and corporate sectors. The session was designed to be interactive, with Mr. Chhabra addressing questions from the students and providing them with valuable guidance on exam preparation strategies. His dedication to providing the best for students and helping them excel was evident throughout the seminar.

The seminar aims to be a launching platform not only for meritorious students but also for students with average academic backgrounds to achieve the best ranks in IES and secure jobs in top-notch central government jobs.

STUDENT ACTIVITIES AND ACHIEVEMENTS



STUDENT ACTIVITIES AND ACHIEVEMENTS

EXPERT TALK ON “INDUSTRIAL AUTOMATION AND INDUSTRIAL INTERNET OF THINGS (IIOT)”

The Institution's Innovation Council (IIC) under the guidance of Dr. Rohit Anand Internship Coordinator, IIC, organized an enlightening Expert Talk on "Industrial Automation and Industrial Internet of Things (IIOT)" under the Institute's banner. The event, held on 30th May 2023, aimed to provide an overview of automation in industries and highlight the significance of reducing human intervention. The expert talk shed light on how various industrial processes are monitored and controlled using a combination of hardware and software components like PLC SCADA System. Additionally, it introduced the concept of Industrial Internet of Things (IIOT), which involves interconnecting sensors and devices for industrial applications.

The session proved to be an excellent opportunity for faculty members and students to gain practical exposure and understand the integration of the digital and physical worlds in industrial settings. Industrial automation, through the integration and automation of multiple systems, enhances productivity and efficiency. Participants learned about the remote access and monitoring capabilities of industrial automation and IIOT, as well as data acquisition and collection techniques.



STUDENT ACTIVITIES AND ACHIEVEMENTS



STUDENT ACTIVITIES AND ACHIEVEMENTS

OLD AGE HOME VISIT

The Department of Mechanical and Automation Engineering organized a heartwarming Old Age Home Visit under the Institute's banner. The purpose of this event, held on 5th May and 9th May 2023, was to help students gain an understanding of the importance of harmony within families and society. A group of 35 students visited the Guru Vishram Vridh Ashram, located near NTPC Badarpur, where they had the opportunity to interact with the elderly residents.

The visit to the Old Age Home proved to be an emotional and enriching experience for the students. During the one-hour duration of the visit, they attentively listened to the grievances and sorrows shared by the residents. These elderly individuals, eager to connect with others, found solace in conversing with the young students. They also offered valuable advice, emphasizing the significance of caring for one's parents.

This visit was a significant success, as it provided students with a deeper understanding of human values and their role in fostering harmony within different facets of life. Students witnessed firsthand the pain experienced by senior citizens when younger members of the family fail to fulfill their responsibilities towards them.

By engaging with the elderly and deprived members of our society, students learned valuable life lessons and gained a renewed appreciation for the importance of compassion and respect towards the elderly. This visit served as a reminder to students to prioritize their roles as responsible family members and active contributors to society. As we strive to instill these values in our students, we look forward to organizing more events and initiatives that foster a sense of social responsibility and compassion among our students and faculty members.

STUDENT ACTIVITIES AND ACHIEVEMENTS



STUDENT ACTIVITIES AND ACHIEVEMENTS

FRESHERS PARTY

The Freshers party "Euphoria" was organized by the team of second year students under the guidance of Dr. Sushil Kumar and Student Welfare and Cultural Committee on 26th May 2023. The event aimed to welcome the new batch of students and to provide them with a memorable experience. The evening commenced with a solemn Saraswati Vandana performed by the talented students of G.B. Pant DSEU Okhla 1 campus. The Campus Director, Dipali Bansal, graced the stage and officially inaugurated the event by lighting the traditional lamp.

Following the inauguration, the freshers party "Euphoria" unfolded with various engaging activities designed to entertain and engage the new students. These activities included a talent hunt, ramp walk, selection of Mr. and Miss Freshers, and a lively DJ night



STUDENT ACTIVITIES AND ACHIEVEMENTS

The talent hunt segment provided an opportunity for freshers to display their skills and talents. Participants displayed their abilities in diverse fields, such as singing, dancing, acting, poetry recitation, and more. Following the ramp walk segment added glitz and glamour to the event. Shortlisted participants confidently walked down the runway, showcasing their unique style and poise. The selection of Mr. and Miss Freshers was one of the most eagerly anticipated parts of the evening. Finalists from the talent hunt and ramp walk segments competed for these prestigious titles. Participants exhibited their exceptional talents, answered thought-provoking questions, and exuded charisma on stage. The judges faced the challenging task of selecting the winners based on talent, confidence, and overall presentation.

Wrap up with glee, a vibrant DJ night was organized. The freshers and other attendees danced energetically to the beats of popular songs, creating a lively and jubilant atmosphere. The DJ night provided an opportunity for students to let loose, enjoy themselves, and celebrate their new journey at the campus.

STUDENT ACTIVITIES AND ACHIEVEMENTS

SESSION ON “HOW TO PLAN FOR START-UP AND LEGAL AND ETHICAL STEPS”

Session on How to Plan for Start-Up and Legal and Ethical Steps” was organized by the Institution’s Innovation Council (IIC) under the guidance of Dr. Vishnu Vats, YUKTI Coordinator, IIC. The event was aimed at promoting knowledge and information about how to plan a start-up and the various legal and ethical procedure adopted throughout the process. The event was held on 24th May 2023 in CIM lab of MAE Department, and total 60 participants attended the session.

The session was fully informational and motivational as it provided an opportunity for participants to understand a complete definition of start-up and various steps required for a successful entrepreneur with examples.



STUDENT ACTIVITIES AND ACHIEVEMENTS

MEDITATION ORIENTATION PROGRAMME

On 1st May 2023, a meditation orientation program was held by Heartfulness Meditation, and it was conducted by an experienced trainer Mr. Rupesh Kumar. The program aimed to introduce beginners to meditation and provide them with the necessary knowledge and tools to start a regular meditation practice. Around 100 students and faculty members attended this program.

The program was divided into various sessions, covering different aspects of meditation. The first session focused on introducing the concept of meditation and its benefits. Mr. Rupesh Kumar explained how meditation can help reduce stress, improve focus, increase self-awareness, and enhance overall well-being. He also emphasized that meditation was a simple yet powerful tool that anyone could use regardless of age or background.



1st May 2023
Meditation Orientation Programme



STUDENT ACTIVITIES AND ACHIEVEMENTS

The second session covered different techniques and styles of meditation, such as breath awareness, mantra meditation, visualization, and Heartfulness meditation. Mr. Rupesh Kumar explained the differences between these techniques and how each one could be used to achieve specific goals. He also provided guided meditations to help participants experience each technique. During the session, Mr. Rupesh Kumar emphasized on the importance of developing a regular meditation practice and provided tips on how to make meditation a part of one's daily routine.

Finally he talked about how to address common challenges faced while meditating, such as dealing with thoughts and distractions, maintaining focus, and dealing with physical discomfort. Mr. Rupesh Kumar provided strategies for overcoming these challenges and emphasized that with practice, one could overcome these obstacles.

Overall, the program was a success, and it was evident that the participants had gained valuable insights into the practice of meditation.

STUDENT ACTIVITIES AND ACHIEVEMENTS

PLANTATION DRIVE

A Plantation Drive was organized by the NSS (National Service Scheme) cell, along with faculty and students, at GB Pant DSEU Okhla-1 Campus on 9th and 10th May 2023. The initiative aimed to promote environmental sustainability, enhance the green cover on campus, and engage the campus community in environmental conservation efforts.

Under the guidance of the faculty coordinators, Ms. Sunita Kumari, Mr. Sanjay Kumar, and Dr. Vineet, the student coordinators, namely Manik Mahajan, Ricky Chandra Paul, Nandan Kumar, Ashish Vyas, and Shweta Choubey, played a pivotal role in organizing and executing the event smoothly



STUDENT ACTIVITIES AND ACHIEVEMENTS

The event was a huge success. The NSS (National Service Scheme) volunteers played a crucial role in the Plantation Drive organized at GB Pant DSEU Okhla-1 Campus. Their active participation and dedication significantly contributed to the success of the drive.

Objectives of the event:

- Increase the green cover and improve the overall aesthetic appeal of the GB Pant DSEU Okhla-1 Campus.
- Create awareness among students, faculty, and staff about the significance of tree planting and environmental conservation.
- Promote biodiversity and ecological balance within the campus ecosystem.
- Contribute to mitigating climate change and enhancing the air quality in the vicinity.



STUDENT ACTIVITIES AND ACHIEVEMENTS

Activities carried out:

1. Planning and Coordination:

The NSS cell, along with NSS Coordinators, initiated the planning process for the Plantation Drive. Suitable locations within the campus were identified for tree plantation. Collaborative efforts were made to procure saplings and necessary planting equipment.

2. Pre-Drive Awareness Campaign:

An extensive awareness campaign was launched to inform and engage the campus community. Posters, flyers, and social media platforms were utilized to disseminate information about the event.

3. Plantation Drive Execution:

The Plantation Drive took place on 9th and 10th May 2023, with active participation from NSS volunteers, faculty members, and students. Careful attention was given to proper planting techniques and ensuring the survival of the saplings.

4. Post-Drive Follow-up:

Ongoing maintenance and care plans were put in place to ensure the well-being of the newly planted saplings. Regular watering, weeding, and monitoring activities were assigned to dedicated individuals and groups.

The ongoing maintenance and care of the planted saplings will ensure their healthy growth, contributing to a greener and more sustainable campus environment. The collaborative efforts showcased the collective commitment to preserving the environment and will have a positive impact on the campus ecosystem for years to come.

STUDENT ACTIVITIES AND ACHIEVEMENTS

IIoT students of USAR visited the Mechatronics lab of this campus on May 2nd, May 3rd, May 4th, and May 9th, 2023.



Ruchika Kaushik, Ph.D. Scholar (ECE) has topped in the NPTEL Online Certification Course (Jan-Apr 2023) on "Introduction to Internet of Things" with a score of 88%.

FACULTY ACHIEVEMENTS

1) Dr. Dipali Bansal, Campus Director attended the Workshop on Center of Excellence in Electronic System Design at IIIT Delhi.

2) Anand, R., Nirmal, V., Chauhan, Y., & Sharma, T. (2023, March). An Image-based Deep Learning Approach for Personalized Outfit Selection. In 2023 10th International Conference on Computing for Sustainable Global Development (INDIACom) (pp. 1050-1054). IEEE.

3) Sharma, S., Pandey, B. K., Pandey, D., Anand, R., Sharma, A., & Saini, S. (2023, March). Character Recognition Technique Implementation for Complicated Deteriorated Scene. In 2023 6th International Conference on Information Systems and Computer Networks (ISCON) (pp. 1-4). IEEE.

4) Dr. Vineet Kumar, Assistant Professor(MAE) has successfully completed the NPTEL course (Operation Management course 12 weeks)



The certificate is awarded to **VINEET KUMAR** for successfully completing the course **Operations Management** with a consolidated score of **53** %.

Online Assignments	23.13/25	Proctored Exam	30/75
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Total number of candidates certified in this course: **1053**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2023
(12 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee

Indian Institute of Technology Roorkee

swayam

Roll No: NPTEL23ME45S44210084

To validate the certificate



No. of credits recommended: 3 or 4

CAMPUS LIFE @ OKHLA-I CAMPUS

FRESHERS PARTY - EUPHORIA

