



Newsletter of B.Tech Programmes

Pratibimb



VIVEKANANDA INSTITUTE OF PROFESSIONAL STUDIES - TECHNICAL CAMPUS

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VIVEKANANDA INSTITUTE OF PROFESSIONAL STUDIES - TECHNICAL CAMPUS

SCHOOL OF ENGINEERING & TECHNOLOGY



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Workshop on 'How AIML & Data Science are Transforming Various Industries of the Real-World'

4th January, 2023

Prof. Mayuri Mehta from Sarvajani College of Engineering and Technology, Surat, Gujarat, conducted a workshop on the practical usefulness and interactive-ness of Data Science & Machine Learning. The session gathered the attention of the students. It offered a valuable learning experience to all the participants regarding

the emerging and futuristic applications of Artificial Intelligence, Data Science and Machine Learning, specifically in the field of human health care. The workshop concluded with certificate distribution to the eligible students who were able to successfully apply the module discussed in the session.



Initiative of Bharat Soka Gakkai (BSG)

18th January, 2023

The school inaugurated the Sustainable Development Goals (SDG) club in association with BSG (Bharat Soka Gakkai). The eminent guest of the event, Dr. Shyamli Singh, Coordinator, Centre for Environment and Climate Change at Indian Institute of Public Administration (IIPA), addressed the students and enlightened them about various SDGs and how we can work towards attaining the goals. She suggested various simple changes, for instance, using recyclable plastic and saving water and electricity etc. to preserve livelihood. In addition, Hridyanshu, a student of B. Tech. programme (AIML-A), presented the eco-brick project, focusing on United Nations SDG-11 (Sustainable Cities and Communities). He showcased the process of constructing eco-bricks from sugarcane bagasse and plastic waste. The event showcased the talents of students.

Drishti Nagpal (AIDS-B) and Anshika Panwar (AIML-A), from the literary society, recited a self-composed poem focused on SDGs. Finally, the program concluded with a nukkad natak performed by the students of the theatre society, enlightening the audience about the initiatives to achieve SDGs with sustainable human behaviour.



Experiential Learning

28th February, 2023

Nurturing Toddlers: A Heartwarming Visit to Paalna Orphanage

The students of the school, as members of the SDG club, organised an event, aptly named Nurturing Toddlers. It aimed to provide these little ones with the love, care, and attention that every child deserves. The donation drive was conducted at the Paalna Orphanage in Civil Lines, New Delhi, where students not only contributed to the daily requirements of the orphanage but also learnt valuable life lessons from the young minds.



Blooming Buds Event

28th February, 2023

The SDG club of the school, along with BSG, organised the event at Soni Memorial School, Kanhei Gaon, Sector 45, Gurgaon, to nurture young kids on sustainability and SDG awareness. The informal school is based upon the philosophy of 'Teaching under a tree' by Mr. Rajeev Soni. He is a Chartered Accountant, who returned from the USA after working for various multinational organisations to fulfil his mission in India to serve the nation. In continuation of the belief, the faculty members and students of the school demonstrated sustainability concepts

through simple science experiments focused on climate change, clean water and well-being inclusive of all the SDGs. The unprivileged students were motivated to study by conferring SDG awareness kits including posters, stationery items, books, copies, soaps, handkerchiefs, eatables, etc. The process helped to impart practical knowledge to the young kids about inculcating sustainable development goals in their daily lives in a simplistic manner.



Learning from the Indigent but Intelligent

5th March, 2023

The school organised an event with the collaborative efforts of BSG & SDG club as part of experiential learning, where students learnt from the experiences and lives of the underprivileged kids at Arya Samaj Gurukul, Rani Bagh. The Gurukul students made outstanding school projects on various SDG topics like life below water (SDG-14), life on land (SDG-15), and beautiful drawings of characters called Anime and Manga. The visually distinct comics are used for entertainment and education of kids (SDG-4). The students learnt a lot from the work showcased by the underprivileged kids. The exhibit demonstrated that limited resources cannot deter anyone from achieving

successful outcomes. The entire event was driven by the spirit of sharing joy with others (SDG 10), the common binding force structuring the strong foundation of VIPS-TC.



Innovation Mela

14th March, 2023

The school conducted an Innovation Mela in association with the NASSCOM Foundation to sensitise students towards innovation and start-ups. Eminent speakers and moderators were part of the session including Ms. Gunjan Lal (Head Volunteering, NASSCOM Foundation), Mr. Prashant Kakkar (Senior Consultant, Skilling & Digital Literacy, NASSCOM Foundation) and Mr. Vijay Raghav Varada (CEO & Founder Fracktal Works). The program started with a welcome address given by Nasscom Foundation to introduce the cohort 2 program inclusive of workshop objectives, schedule for the new session and introduction of the team. The members from Ciena enlightened students regarding the doubts and visions of innovation. The second round included a panel discussion on 'The use of technology in solving societal problems and the potential for college start-ups to create social impact'. The key offerings of the program included- mentorship, prototyping support and incubation information for the budding engineers.



Workshop On Sustainable Futuristics Technologies In Association With Dell Technologies

23rd March, 2023

The school organised a workshop 'Show and Tell' on Sustainable Futuristics Technologies, aimed to foster innovations and research at the institute as part of SDG-9. The experts included, Mr. Chayan Kapoor (Product Specialist), Mr. Ayush (Business Head, Startup) and Mr. Kali Bhattacharya (Consultancy & Services Head), from Dell Technologies. They started the presentation with recent advancements in computing

devices, to compute problems based on high-resolution data of Data analytics, Artificial Intelligence and the Internet of Things. They also shared their views on social and economic development by using sustainable technologies (SDG 17). The workshop inculcated a deeper understanding of sustainable technologies, resource utilization, and recent innovations in technology.



Workshop on Multi-Controller and Multi-Sensor IoT Systems

13th April, 2023

Shri Sai Ram Santosh P (Director of IOBIT Solutions) was invited by the school as the keynote speaker to host an exciting workshop on Multi-Controller and Multi-Sensor IoT Systems.

The event featured a fantastic opportunity for students to delve into the essentials of creating innovative projects using advanced IoT kits. With a strong emphasis on hands-on learning, the event fostered a spirit of innovation and creativity among the students, empowering them to explore the limitless possibilities of IoT technology.



Memorandum of Understanding (MoU)

Vivekananda Institute of Professional Studies-Technical Campus (VIPS-TC) signed a Memorandum of Understanding (MoU) with the Indian Institute of Technology, (IIT-Guwahati)

10th April, 2023

The MoU established cooperation between the two organisations to ensure the development and implementation of new technologies. The collaboration focuses on activities including organising joint courses, faculty and student exchange programs and providing access to facilities and resources etc. The MoU aims to provide expertise and knowledge of the best educational experiences concerning global standards.



Vivekananda Institute of Professional Studies-Technical Campus (VIPS-TC) signed a Memorandum of Understanding (MoU) with the Indian Institute of Technology, (IIT-Gandhi Nagar)

25th May, 2023

The MoU builds academic excellence and research collaborations between the two organisations. The central idea promotes initiatives identified under India's Vision 2030. It also covers collaboration of faculty members and exchange of students, joint research activities, M.Tech programs, organization of seminars and academic meetings, development of long/short term programs, and enabling courses for capacity building in industries.



Being Green NGO Plantation Drive at Bal Vidhyalaya Vikas Puri

22nd April, 2023

The students of the school in collaboration with Being Green NGO, conducted a plantation drive at Delhi Nagar Nigam Bal Vidyalaya, Vikas Puri to embrace the occasion of Earth Day. In an endeavour to increase the green cover of Delhi, a total of 450 saplings were planted by the students along with primary school students. The event was a grand success as students took a pledge to serve the planet.

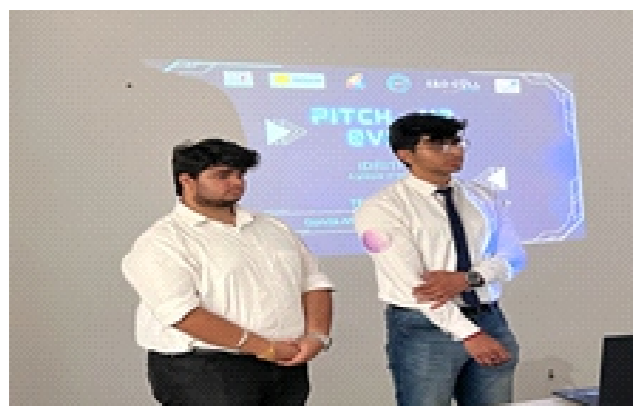


Pitch.it Up @ VIPS

27th April, 2023

In a remarkable event hosted by the school, 'Pitch. it Up @ VIPS' brought together 46 teams of budding entrepreneurs driven by an unwavering passion for innovation. The competition was fierce as Team Brainchants (Ayush Garg and Mayank Nailwal, BPIT) emerged as the winners. The 1st runner-up position was secured by Team Kitkat (Kanak Ahuja and Prashant Yadav, VSE&T), and 2nd runner-up position by Team First-Thirst (Eshan Bhardwaj, Amritansh Srivastava, and

Nishant Jindal, BPIT). Notably, the event also showcased the incredible potential of aspiring entrepreneurs, with Team Garbage Gurus (Shivansh Sharma and Aaryan Bhatia, VSE&T) and Team Nova (Garvita Ahuja, Priyal, and Shiva Khatter, VSE&T) impressing the audience with their innovative ideas. This event was a testament to the bright future of entrepreneurship and innovation in our community.



Workshop on Job Readiness and Resume Building with IBM Skills Build

4th May, 2023

The school in collaboration with IBM Skills Build conducted a workshop on Job Readiness and Resume Building. The informative workshop was a resounding success, providing participants with valuable insights and practical skills to enhance their job readiness. The students were able to explore essential aspects of crafting compelling resumes and honing crucial interview skills.

Expert Session on A Computational Study of Flows Past Moving Ramps and Protrusions on Supersonic Missiles

10th May, 2023

Dr. Brijesh Eshpuniyani, an esteemed expert in the field of mathematics and machine learning, shared his invaluable insights and knowledge during this enlightening session on the topic, 'A Computational Study of Flows Past Moving Ramps and Protrusions on Supersonic Missiles'. The speaker shed light on the fascinating world of supersonic missile aerodynamics, providing our audience with a deeper understanding of this critical domain. It was an enlightening experience that left our attendees enriched and inspired.



EcoQuest- The Plastic Pollution and E-waste Quiz Challenge on World Environment Day

5th June, 2023

The school organised a quiz aimed to test the knowledge of the students on the environment, sustainability development goals, and e-waste pollution. A total of 18 teams enthusiastically participated in the quiz. It was conducted in two rounds. The first round was an MCQ quiz. The Top 5 teams securing the highest marks were short listed for the second round which was a buzzer round. Team 5, Vanshika (AIDS- A) and Rishika Gupta (AIDS- A) of the first year won the EcoQuest and were awarded with certificates. The quiz helped the students gain an understanding of the 17 SDGs and problems related to increased plastic and e-waste generation. It also motivated them to look for solutions to the environmental problems.



Film Screening- 'The 11th Hour' on the occasion of World Environment Day

5th June, 2023

Celebration of World Environment Day with an inspiring movie screening of 'The 11th Hour'. The powerful documentary event brought the community together, sparking meaningful conversations and renewed commitment to environmental conservation. The thought provoking event received appreciation as it promoted the use of media to enlighten the students.



Expert Talk on 'Emerging Mitigation Measures for Controlling Water Pollution' to commemorate World Environment Day.

7th June, 2023

Dr. Deeksha Katyral, Associate Professor, at GGSIPU was invited to speak on the topic, 'Emerging Mitigation Measures for Controlling Water Pollution'. The speaker addressed the students on water use and its effective management. The issue of how global warming is responsible for altering the rainfall pattern in India, dramatically leading to rising sea levels and increased chances of drought and floods was discussed. She emphasized that 70% of India's water supply is contaminated, causing an estimated 200,000 deaths a year. Highlighting the fact that the total groundwater used for irrigation has risen from 30% in the 1980s to nearly 60% today.

The discourse highlighted simple measures we can practice to conserve water and addressed the questions raised by the students.



Enhancing Cyber Security Skills: E & ICT IIT-Kanpur

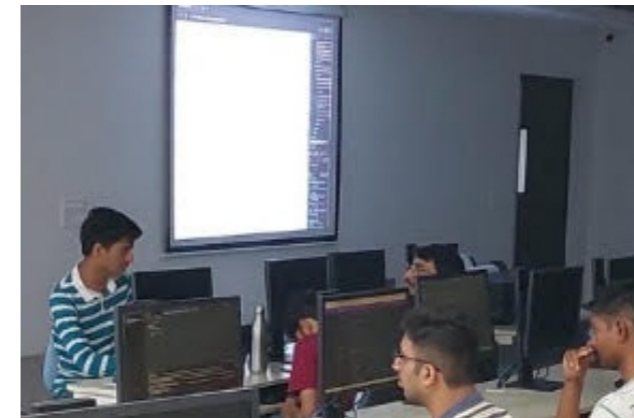
5th - 9th June, 2023

In a bid to address the growing need for proficient cybersecurity professionals, a significant step was taken with the recent commencement of the "Cyber Security Essentials-Skill Enhancement Programme" in collaboration with the Electronics and ICT Academy (E&ICT) at the prestigious Indian Institute of Technology, Kanpur (IIT-Kanpur). This 40-hour intensive course was designed to empower both faculties and students with essential knowledge and skills to combat the ever-evolving threats in the digital realm.

SIG Photoshop Event

8th June, 2023

The Student Interest Group (SIG) event was conducted with a singular purpose to unlock the full potential of Adobe Photoshop. At the event, attendees had the opportunity to participate in workshops and hands-on sessions. One of the highlights of the event included a design competition that challenged attendees to create innovative and visually striking artwork using Photoshop.



Valedictory Ceremony of C.O.D.E Technical Society

12th June, 2023

The grand finale of the exceptional events organized by the C.O.D.E Technical Society unfolded with a splendid valedictory ceremony. The ceremony, held in high esteem, was graced by the presence of distinguished luminaries namely:

Mr. Vineet Vats, Vice Chairman of VIPSTC, Dr. Ashwini Kumar Sharma-Director General of VIPSTC, Professor Deepali Virmani, Dean of VSE&T and Prof Supriya Madan, Dean VSIT.



Expert Talk on Harnessing AI to Solve Complex Global Challenges

13th June, 2023

Professor Laurent Chebassier, a distinguished expert in Artificial Intelligence from Aivancity for Technology Business & Society in Paris, shared profound insights into the transformative potential of AI in addressing the multifaceted problems faced by people

worldwide. In a dynamic and enlightening session he centered on the pivotal role, AI plays in navigating the colossal sea of data available today. The session encouraged the students to focus on potential of AI and the tools required to become a professional.



Expert Talk on Technological Transformation to Achieve G20 Mission

13th June, 2023

Dr. Ashwini Kumar Sharma, the Director General of VIPS-TC, delivered an insightful and forward-thinking talk on the significance of technological transformation in achieving the G20 mission. He emphasised that technology is not merely an enabler but a driving force behind the realisation of the G20's ambitious goals and in order to achieve sustainability the youth needs to develop a holistic view towards society.



Cultural Day Celebration

19th June, 2023

The campus came alive with colour, rhythm, and a harmonious blend of traditions as the school celebrated cultural day. On the occasion, a fashion show and dance competition was organised where students of the B.Tech Programme participated. The Winner of the dance competition Manas Saluja (AIDS 4th Semester) was awarded with a memento and a certificate.



Expert Talk on AI in Cybersecurity

19th June, 2023

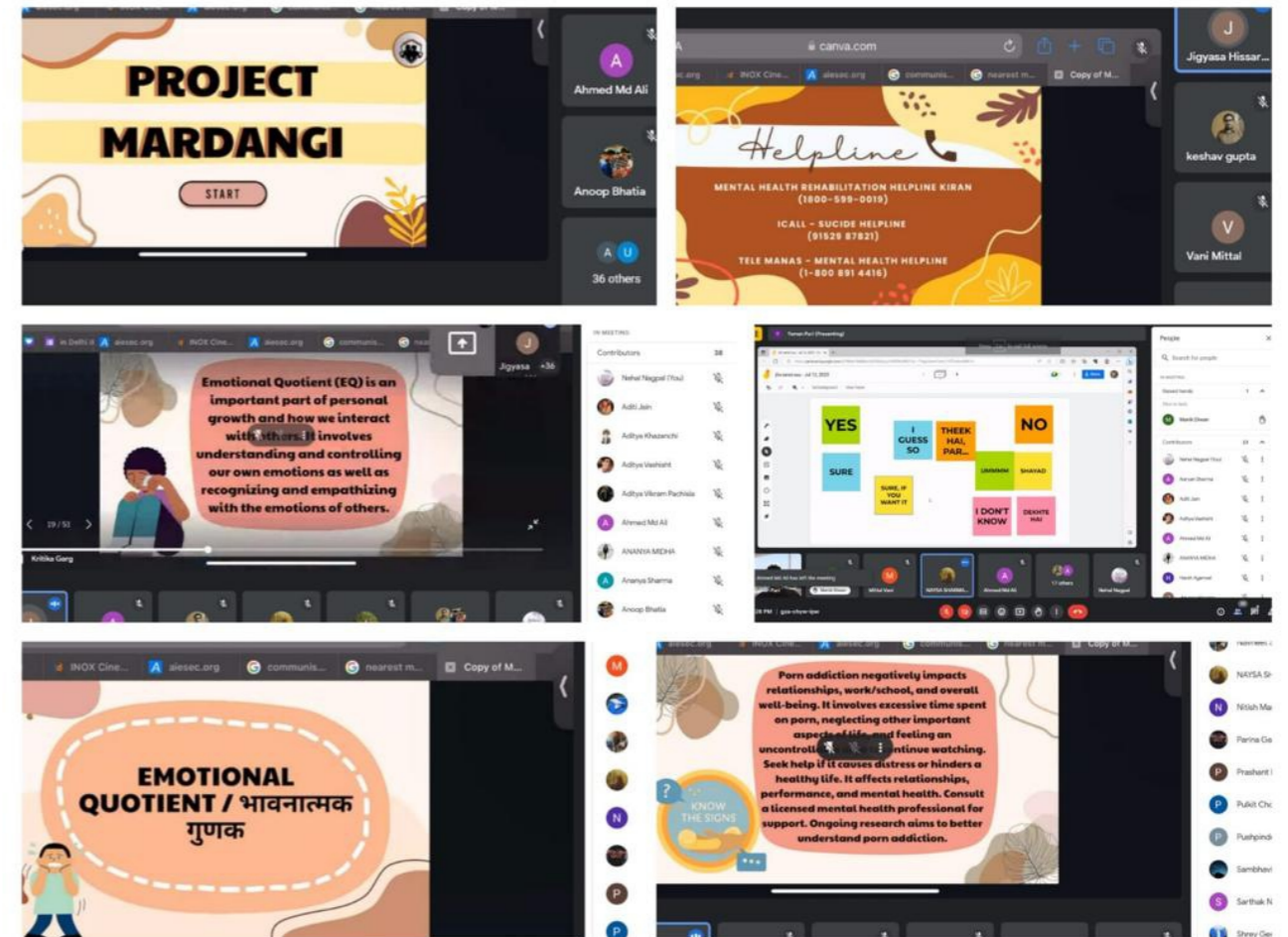
Mr. Gaurav Gupta, an accomplished Engineering Manager at Agoda in Bangkok, Thailand, was invited by the school to shed light on the critical intersection of technology and security. He emphasized the need for cybersecurity and the ways to upgrade against data theft and cyber crimes.



Project Mardangi: Mental and Physical Awareness Program

31st July, 2023

The school in collaboration with International Association of Students in Economic & Commercial Sciences (AIESEC), IIT Delhi organised an inspiring initiative known as 'Project Mardangi' as groundbreaking Mental and Physical Awareness Program. The event inculcated mental awareness and the parameters of depression that strike and attack the individuals. The mission was successful as students share insights about post-covid issues the students face on a daily basis.



Students Achievements

Students Publications

- Abhishek Dwiwedi, Ayush Chaurasia, Vidhi Karnwal (AIML 4th Semester) successfully presented the research paper titled "Spam Detection using Naive Bayes and Trigger Filter" at the International Conference on Innovative Computing & Communication (ICICC 2023), Springer. The conference was organized by Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi in association with NIT Patna & University of Valladolid SPAIN on 2nd March 2023.
- Suhani Singhal (AIML 2nd Semester) won the Best Paper Presentation Award titled "Smart Solar Tree- A Review" at 2nd International Conference SEGT 2023 on Sustainable Energy and Green Technology held at RKGIT, Ghaziabad on 22nd-23rd June 2023.
- Shrey Gera (AIDS 2nd Semester) was judged among the Best 3 essays under the theme "Reforms for Multilateral Institutions" in Zone1 (North) as a part of the Model UN Initiative held at the National level during March-April 2023 organized by IIT Hyderabad.



Extra-Curricular Achievements



Sagar Dabas (AIML 4th Semester) secured 2nd Position in Tug of War (Men) at Samagra 2023 Inter College Sports Meet held on 23rd-24th March 2023.



Sagar Dabas (AIML 4th Semester) successfully participated Tug of War in Techsurge & Mridang 2023 held on 6th April 2023 and secured 1st Position.



Sambhavi Gupta (AIDS 3rd Semester) secured 1st Position in RRR: Review, Rebrand & Remarket Competition held at Aryabhata College, University of Delhi on 12th April 2023 on the occasion of E-Summit 2023.

Students of the School participated in an Inter-College Event held at Gitarattan Institute of Advanced Studies & Training titled MOSAIC 2023 held on April 28th 2023.

- Upen Manocha (IIOT 2nd Semester) and Anirudh Singh (AIDS 2nd Semester) secured the 1st position in the Debate Round.
- Suhani Singhal (AIML 2nd Semester) and Kinjal Bansal (AIDS 2nd Semester) secured the 2nd position in the Debate Round.
- Akanksha (AIDS 2nd Semester) secured the 1st position in the Solo Dance Event.
- Aparna Singh (AIDS 2nd Semester) won the title of Miss Fashion Icon at the Beauty Pageant.
- Khushi Sharma (AIML 2nd Semester) won the title of Miss Marvelous at the Beauty Pageant.
- Bhavya Munjal (IIOT 2nd Semester) won the title of Miss Talented at the Beauty Pageant.
- Yatharth Arora, Vishu Gupta, Daksh Gupta & Sidak Singh (AIML 4th Semester), Jishnu (AIDS 4th Semester), Jiya Goyal, Gaurav Arya & Aayush Bhatia (CSE 2nd Semester), Suryanshi Chadha & Aditya Vashisht (AIML 2nd Semester) participated in at the Nukkad Natak Event and secured the 1st position.



Start-up Innovation

- Shubham Gupta (IIOT 2nd Semester) won a startup seed fund of Rs. 6 lakhs along with his teammate Bhavya Garg (MAIT, Delhi) for their project LIFESAVER. The event name was InnovateX, and it was organized by Nasscom Foundation and Ciena held on 27th March 2023.

