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Newsletter of B.Tech Programmes

# Pratibimb



योग: कर्मसु कौशलम्  
IN PURSUIT OF PERFECTION

**VIVEKANANDA INSTITUTE OF PROFESSIONAL STUDIES - TECHNICAL CAMPUS**  
**SCHOOL OF ENGINEERING & TECHNOLOGY**

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# VIPS-G20 Summit On Futuristic Technologies in India September 1 and 2, 2023



Dr. S.C Vats, Chairman VIPS-TC along with Chief Guest Shri Muktesh Pardeshi, Special Secretary of the Indian Foreign Service (IFS), MoEA, Govt. of India, and Guest of Honor Prof. Dr. Avinash Chandra Pandey, Director of the Inter-University Accelerator Centre, Delhi, Prof. (Dr.) S. Sadagopan, Founder Director of IIT Bangalore, Shri. Udaya Raghunath Birje, Founder and Director of Think Street Technologies and Vice Chairmen, VIPS-TC: Mr. Vineet Vats and Mr. Ajay Bindal



Dr. S.C Vats, Chairman VIPS-TC inaugurating the summit with a ceremonial lamp lighting, in the presence of distinguished guests.

The G20 Summit on “**Futuristic Technologies in India**” with a focus on ‘Entrepreneurship, Innovation, Skills, Leadership, and Health & Wellness’ was initiated as a platform for leaders to collaborate on policies that drive global growth and address challenges facing the international community.

**Dr. S.C Vats, Chairman of VIPS-TC**, together with **Mr. Vineet Vats** and **Mr. Ajay Bindal, Vice Chairmen of VIPS-TC**, extended a warm welcome to our esteemed guests. **Shri. Muktesh Pardeshi, Special Secretary, IFS, Ministry of External Affairs, Government of India, Delhi**, and **Prof. (Dr.) Mahesh Verma, Vice Chancellor of GGSIP University**, honored us by attending as the Chief Guest. We were honored by the presence of **Prof. (Dr.) Avinash Chandra Pandey, Director of Inter-University Accelerator Centre (IUAC), Delhi**, along with **Prof. (Dr.) S. Sadagopan, Founder Director of IIT Bangalore and Chairman of IIITDM Kancheepuram** and **Mr. Udaya Raghunath Birje, Founder and Director of Think Street Technologies, Professor of Practice (VIPS-TC)**, who joined us as Guests of Honour.

The first day of the summit featured two insightful sessions on ‘Innovation in Artificial Intelligence’ and ‘Skills for Entrepreneurship and Leadership’ respectively. The distinguished panel for this session comprised thought leaders in the field, each bringing their unique perspectives and expertise to the forefront. Notable panelists included Prof. S. Sadagopan, Mr. Udaya Raghunath Birje, Mr. Utpal Chakraborty - Chief Technology Officer at IntellAI, Mumbai, and Dr. Jan Hendrik Wiese - Head of Digital Solutions, who joined virtually from Germany. Additionally, Mr. Madhav Bissa, Program Director at NASSCOM's Centre for Artificial Intelligence and Data Analytics, added valuable insights to the discussion. Thus, motivating and equipping the participants with the skills needed for a better tomorrow build on the positive, futuristic sustainable innovations.

The second day started with a rejuvenating morning yoga session by Mrs. Niyati Puri, a distinguished Craniosacral Therapist and a faculty member at the Art of Living Foundation. A special session putting the spotlight on ‘Sustainable Green Energy’ and its intriguing intersection with health and wellness was conducted. The session featured distinguished guests including Shri B.C. Dutta, Vice President of Corporate Affairs at OLA Electric, Bangalore. Another engaging exploration on the theme ‘Skills for Entrepreneurship and Leadership’ by the panelists including Prof. Kamna Sachdeva, Professor, Delhi Skill and Entrepreneurship University, Delhi along with Dr. Bhumiphat Gilitwala, Program Director, at Assumption University, Thailand, joined the discussion in online mode.

Followed by the session on, ‘Health & Wellness’ with the contribution of experts like Sh. Ravi Iyer from the RSS Leadership Team, All India Sampark Vibhag, Bangalore, Mr. Gaurav Verma from ‘The Art of Living’ Foundation highlighting the urge for holistic well-being in the modern world. The final session of the VIPS-G20 Summit centered on the theme 'Digitalization: Challenges and Opportunities' by Shri Pushendra Kumar Gupta, Global CTO; Presales Lead, Global Alliances Resales, Dell Technologies, Singapore with Dr. Vinay Thakur - Managing Director, National Informatics Center Services Incorporated, MeitY, Govt. of India focusing on the core areas including Cyber Security, Information Security, and Digital Forensic. The summit also had display of in-house developed Projects on Smart Technologies of Tomorrow, G20 Quiz winners and a Photo Gallery showcasing the talent of our students. Overall, the summit has provided a platform for insightful discussions, knowledge sharing, and recognition of achievements in the field of futuristic technologies in India.

## G20 UNIVERSITY CONNECT FINALE

Faculty of School of Engineering and Technology attended the event **G20 University Connect Finale** on **26 September 2023** at Bharat Mandapam, which showcased India's active role in the G20 and its commitment to youth-driven development. Discussions revolved around “**Vasudeva Kutumbakam**,” emphasizing India's focus on domestic human-centric development and its ambitious goal of becoming a developed nation by 2047, driven by youth. A panel discussion, moderated by Prof. Sachin Chaturvedi, DG, explored India’s G20 presidency and the New Delhi Summit, featuring diverse perspectives from esteemed participants. The event also featured a virtual address by **Foreign Minister S. Jaishankar** and the release of four G20-related publications by Prime Minister, Shri Narendra Modi, visionary leadership and India’s cultural heritage.



Faculty visited G 20 University Connect Finale at Bharat Mandapam

# GLIMPSES OF THE VIPS-G20 SUMMIT



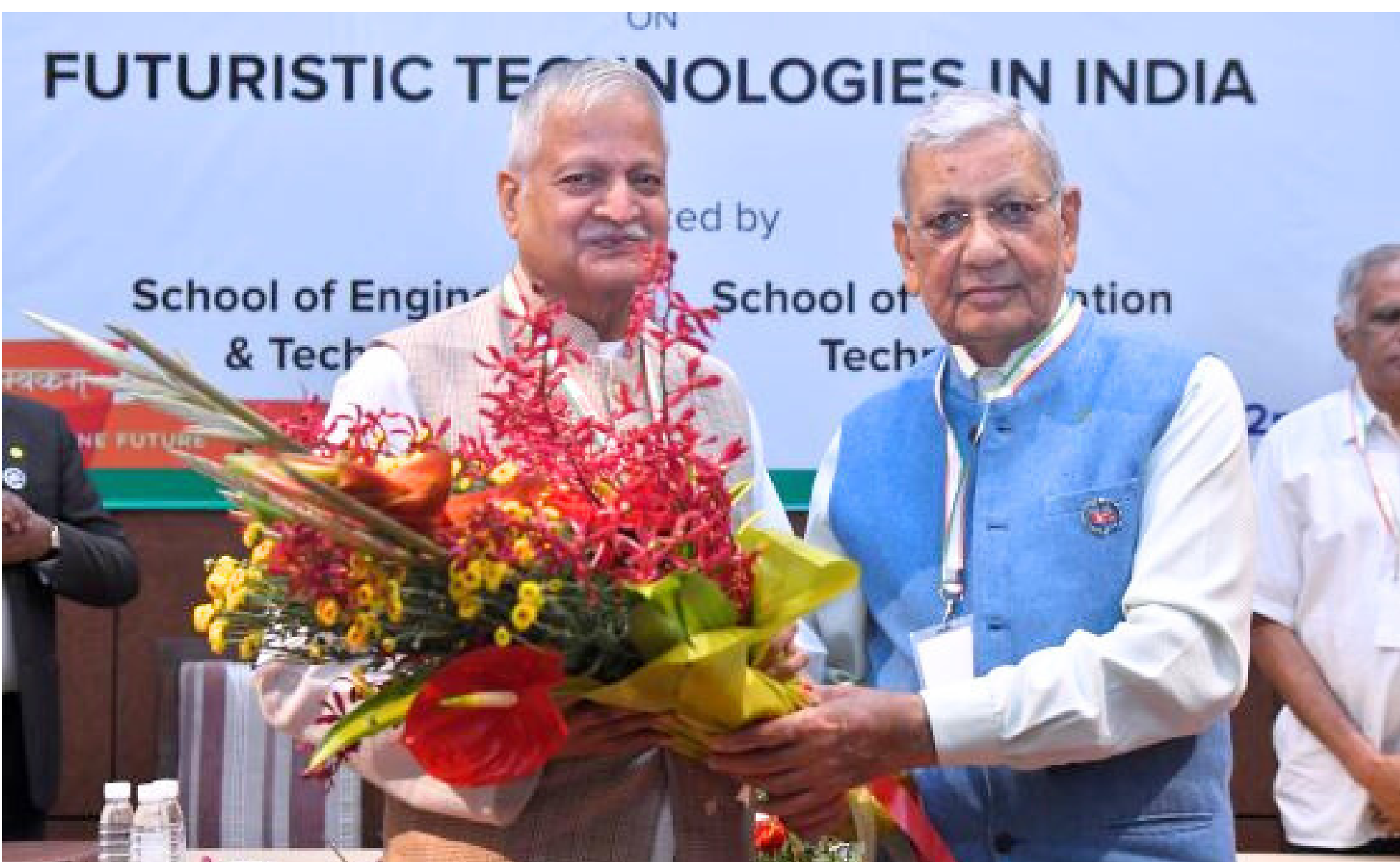
Felicitation of Prof. (Dr.) Mahesh Verma Vice Chancellor, GGSIPU by Dr. S.C. Vats, Chairman, VIPS-TC



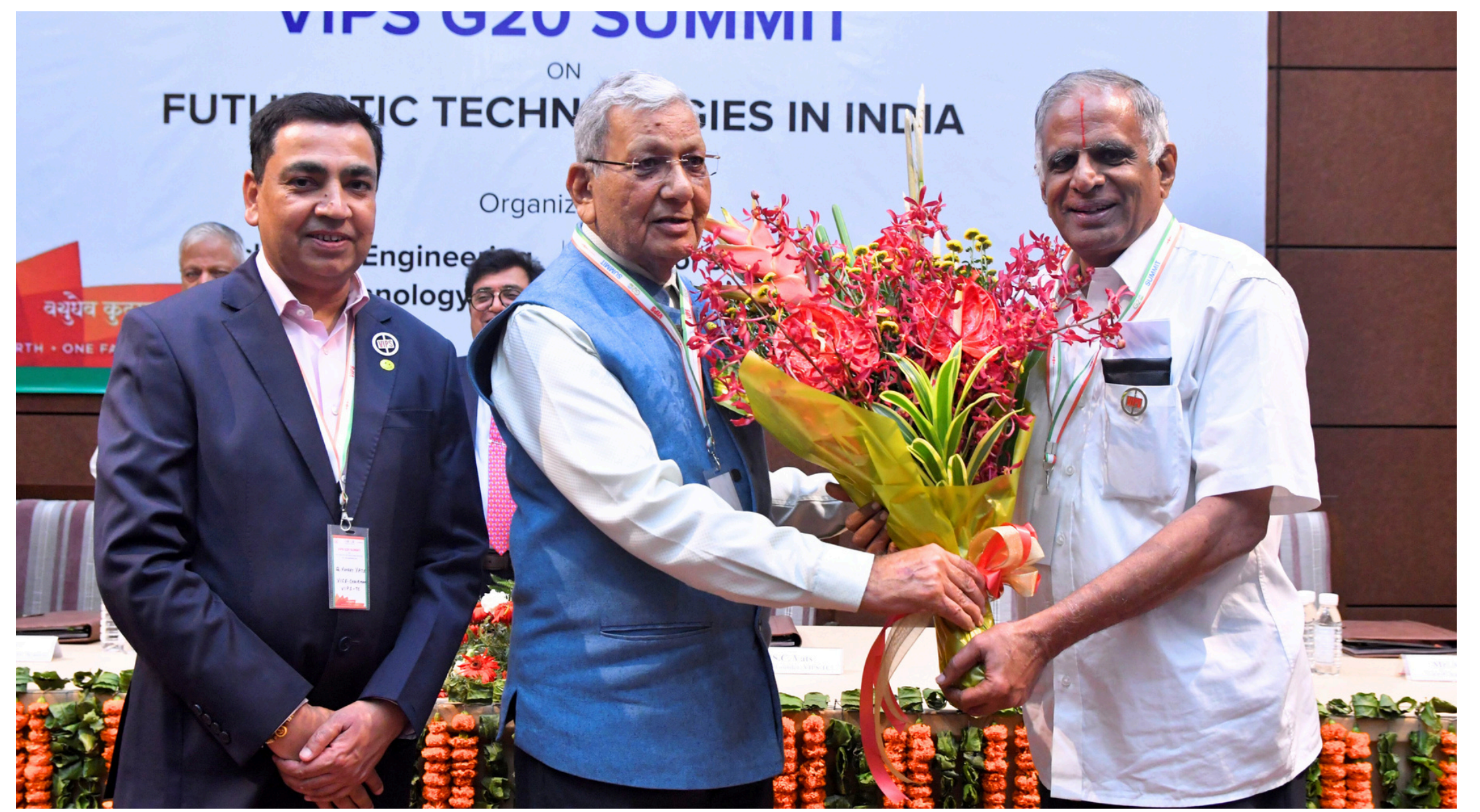
Dr. S.C. Vats, Chairman, VIPS-TC delivering the inaugural address



Shri. Muktesh Pardeshi, Special Secretary, IFS, MoEA Govt. of India, Delhi with Vice Chairmen, VIPS-TC Mr. Vineet Vats and Mr. Ajay Bindal



Felicitation of Prof. (Dr.) Ravi Iyer, RSS Leadership Team Member by Dr. S.C. Vats, Chairman, VIPS-TC



Felicitation of Prof. (Dr.) S. Sadagopan Founder Director, IIT Bangalore by Dr. S.C. Vats, Chairman, VIPS-TC and Mr. Vineet Vats, Vice Chairman, VIPS-TC



Dignitaries, Board of Management, Faculty with participants



AR/VR Project demonstration to Shri. Muktesh Pardeshi, Special Secretary, IFS, MoEA, Govt. of India



The students' creation, Technical Orientation Utility Robot, extends a warm welcome to guests

# TECHNICAL EVENTS

## EXPERT TALK ON REAL-TIME APPLICATIONS OF GENERATIVE AI

A session on "Real Time Applications of Generative Artificial Intelligence (AI)" was conducted on **14 September 2023**. **Shri Utpal Chakraborty, Professor of Practice (VIPS-TC) and Chief Technology Officer at IntellAI**, captivates the audience with insights on Generative AI and its real-world applications. He explained how AI is being used in fintech, such as conversational banking platforms, to handle millions of transactions in a minute. He also highlighted the importance of AI in providing a competitive advantage over competitors by collecting user data and stating that "the truth is actually inside the data." Concept of 'Ultimeet' has been discussed, a meeting management platform using Generative AI and demonstrated how it can summarize meeting minutes, provide action items, monitor people attentively, and record sentiments.

## UNTITLED 1.0 INTERNAL HACKATHON



Untitled 1.0 organized on **23 - 25 September 2023**. It marked the inaugural cohort of engineering discipline and served as a precursor to the Smart India Hackathon (SIH) 2023. **Prof. Kapil Sharma, Professor at the Department of Information Technology, Delhi Technological University** and **Dr. Amit Prakash Singh, Professor in University School of Information & Communication Technology** were expert judges who evaluated the teams based on a comprehensive set of criteria. These criteria included teamwork, innovation, prototype quality, feasibility, scalability, alignment with the designated theme, and whether the teams were able to build what they claimed within their submissions. Participants tackled technical challenges aligned with SIH themes, contributing to a community dedicated to leveraging technology for societal impact.

## SKILL ENHANCEMENT PROGRAM ON DIGITAL MARKETING

The Skill Enhancement Program on Digital Marketing conducted on **9 - 14 October 2023** by **Mr. M. Kumar**, the distinguished Full Stack Web Developer Trainer with over 18 years of industry experience, brought a wealth of practical knowledge to the sessions. His expertise delved into the intricacies of digital marketing, encompassing topics such as web development, SEO strategies, and the latest trends in the ever-evolving digital landscape. The program catered to B.Tech students and faculty members, eager to augment their digital marketing skills VIPS-TC, with its commitment to academic excellence, provided the perfect backdrop for this collaborative and knowledge-intensive initiative, fostering learning outcomes such as: enhanced understanding of digital marketing strategies, practical skills in implementing SEO and SEM techniques, proficiency in leveraging social media for effective marketing, knowledge of data analytics tools for measuring digital marketing campaign success.

## INAGURATION OF THE INDUSTRY PRACTICE CENTRE (IPC)



The inaugural session of the Industry Practice Centre (IPC) was conducted by **Shri Utpal Chakraborty, Professor of Practice (VIPS-TC) and Chief Technology Officer at IntellAI** on **11 - 12 October 2023**, engaging the third and second year students in an interactive talk about Generative AI and its applications. The topics such as Industry 4.0, Sustainable Product Development, Neural Networks like Convolutional Neural Network (CNN), Recurrent Neural Network (RNN), and Long Short-Term Memory (LSTM) and their applications. He introduced Transformer Neural Network, a generative network built by the University of Toronto and Google.

## WORKSHOP ON DIGITAL CREATIVITY SKILLS USING 'ADOBE EXPRESS'



The Professional Development Workshop on Digital Creativity Skills was organized with Digital Learning in association with Adobe, AICTE, and ATAL on **16 October 2023**. The event aimed to provide hands-on experience and knowledge on Adobe Express for Higher Education, with interactive sessions conducted by **Ms. Deepshika Arora, Program Manager, Adobe** and **Ms. Meenakshi Uberoi, Learning Partner, Adobe**. The participants were assigned tasks such as creating book covers, visuals with animation and Generative AI, which enhanced their learning and development.

## CHIPS पे चर्चा

The 'Chips pe Charcha' event was conducted on **18 October 2023**. It focused on the competition between GaN (Gallium Nitride) and SiC (Silicon Carbide) in the semiconductor industry. GaN is a leader in the less than 1kW category, while SiC has high reliability and higher voltage capabilities. **Prof. Umesh Mishra, University of California Santa Barbara** highlighted the challenge of making GaN fabrication processes repeatable and reliable. The event also touched upon future areas of importance in semiconductor technology, such as silicon photonics, SiC, and GaN. SiC, used by companies like Tesla, is more mature and suitable for high voltage applications. The event also highlighted the need for India to accelerate its semiconductor efforts, de-risking capital deployment, and focusing on developing products using existing knowledge. The event provided valuable insights for B.Tech students and faculty on compound semiconductor technology, competition, and workforce development.

## HANDS ON WORKSHOP NAVIGATING WEB3



A Hands-on Workshop on Navigating Web3 was organized on **19 October 2023** in association with The Graph India and Dapplooker. In the event, attendees actively engaged in interactive sessions conducted by experienced speakers, **Mr. Prince Gupta** and **Mr. Harsh Rajput** from **The Graph India and Dapplooker** respectively.

The workshop covered a wide range of topics, including web3, smart contracts, navigating protocols, compilation, deployment, analyzing on Dapplooker. Attendees gained practical skills through live demonstrations, case studies, and interactive activities. The knowledge gained throughout the workshop was checked via a small online quiz on slido.com and prizes were awarded according to their ranks secured in quiz that generated interest in students to understand the workshop and have a clear understanding of working of web3 components and the process of its compilation and deployment.

## CHANDRAYAAN-3 MAHA QUIZ

The Chandrayaan-3 Maha Quiz was organized for all the B.TECH students (AI&DS, AI&ML, CSE, IIOT, VLSI) on **20 October 2023**. The event aimed to promote scientific curiosity and space exploration among students. It featured questions related to India's lunar missions, Chandrayaan-1 and Chandrayaan-2, and general astronomy and space science topics.

The quiz is an initiative by the Govt. of India, spanning across the country in which students enthusiastically participated, showcasing their knowledge and passion for space. It was a step towards fostering interest in India's space endeavors and generating excitement for Chandrayaan-3, the nation's next lunar mission.

## SYMPOSIUM ON ARTIFICIAL INTELLIGENCE



The Symposium on Artificial Intelligence, conducted on **26 October 2023** by **Mr. Azhar Sayeed, Chief Technologist, Red hat HQ, USA** and **Mr. Udaya Raghunath Birje, Founder & Director ThinkStreet Technologies, Professor of Practice (VIPS-TC)**. The symposium became a convergence of expertise and innovation, exploring artificial intelligence methods. The event ensured a comprehensive exploration of the subject, fostering a dynamic learning environment and equipping students with knowledge crucial for their academic and professional journeys, providing an enriching environment for both the students and the faculty members.

## AMCAT EXAM



The 2021-25 batch actively participated in the AMCAT Exam on **21 November 2023** showcasing high engagement and interest across the diverse student body. The test is widely accepted by companies for entry and intermediate level with IT sales jobs, offering opportunities in various sectors. Companies hiring through AMCAT include Cognizant, Accenture, ITC Infotech, Godrej, Ericsson, Deloitte, Titan, SBI, L&T, Genpact, Aricent, HCL Technology, and Microsoft, with average packages ranging from ₹3.5 to 5 LPA for certified candidates. The test acts as a standpoint for the students in order to understand the dynamics required for aptitude awareness.

## IBM JOB READINESS CERTIFICATION PROGRAM



A workshop in collaboration with **IBM Skills Build** for third year B.TECH organized on **22 November 2023**. Students from AIML, AIDS and, IIoT branches were enrolled. **Mr. Rohit Rajput, Deputy Manager, IBM Skills build** equipped students with essential skills for the job market, providing valuable insights, practical training, and networking opportunities. The workshop received active participation during Q&A sessions, with participants appreciating the chance to interact with industry professionals directly.

## HANDS ON WORKSHOP ON DATA ANALYTICS USING PYTHON



A Workshop was conducted on **24 November 2023** by **Mr. Sameer** and **Mr. Md. Asad, Data Analytics Experts, Ducat India on Data Analysis**, emphasizing its practical applications and differences from Data Analytics. The workshop covered Pandas in Python and various Data frame operations. Interactive puzzles were also conducted, enhancing problem-solving skills. Participants left inspired to explore Data Analytics further and pursue internships. Overall, the session was quite informative and enlightened students on a variety of Data Analytics tasks such as using appropriate models of analysis, assessing the quality of input, deriving insight from results, and investigating potential issues, among other things.

# HANDS ON WORKSHOP ON TRANSDUCERS AND SENSOR SYSTEMS

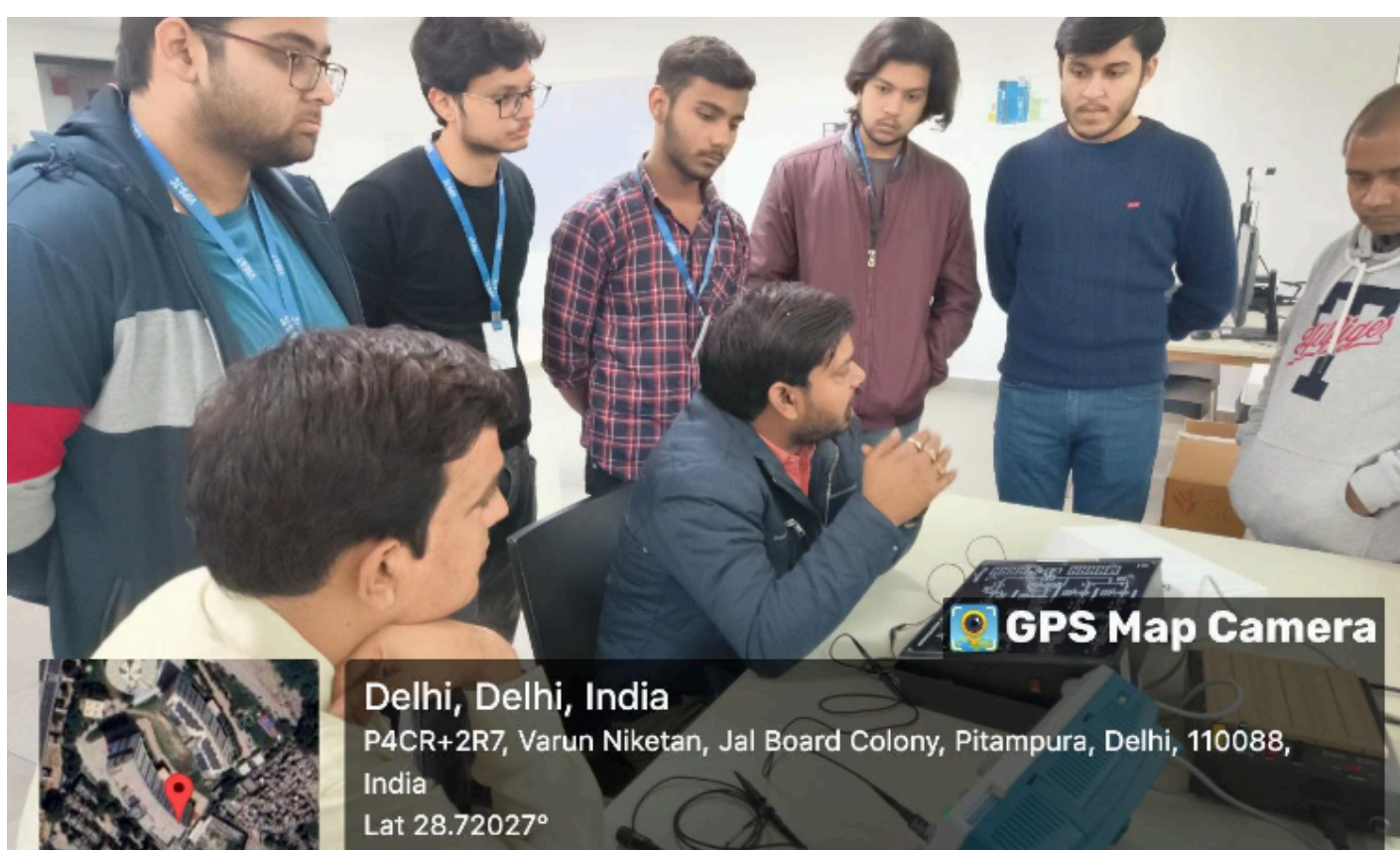
Workshop on Advancements in Transducers and Sensor Systems was organized on **24 November 2023** in collaboration with **Silicom Electronics Pvt. Ltd.** A brief idea about projects that can be implemented using Optical Sensor and Hall Effect Kits were discussed. During the hands-on session the students performed on various transducers kits and noticed the changes in the parameters like temperature, pressure, displacement by varying one or more variables like weight, voltage applied.

## AZURE GenAI DAY



An interactive session with **Mr. Sarthak Jain, Head of Community, Microsoft Azure** on Generative AI was organized on **29 November 2023**, drawing participation from the first-year batch of CSE & IoT students. The engaging workshop, condensed into a single session, delved into theoretical underpinnings and practical applications of Generative AI, spanning various domains. Attendees were treated to comprehensive insights into the workings of leading AI platforms such as Microsoft Azure, underscoring their pivotal role in facilitating AI development and deployment. Beyond theoretical and technical knowledge, the session also served as a platform for participants to identify growth opportunities within the realm of Generative AI, staying abreast of evolving industry trends and fostering a culture of continuous learning, while identifying growth opportunities in leveraging Generative AI in an ethical sense.

## ADVANCEMENTS IN COMMUNICATION SYSTEMS



A Hands-on Workshop on Advancement in Communication Systems was organized on **1 December 2023** in collaboration with the **Silicom Electronics Pvt Ltd.** The cognitive abilities of the students were enhanced through practical understanding of data transmission techniques, fostering critical thinking, problem-solving, and analytical skills. The workshop aided in promoting participants' focus by engaging them in data transmission methodologies, encouraging innovative thinking, and providing a stimulating environment for exploration and experimentation.

## NEW FRONTIERS AND FUTURE DIRECTIONS IN AI & DATA SCIENCE



A Hands-on Workshop on **6 December 2023** was conducted by **Prof. Mayuri Mehta, Computer Science Engineering, Sarvajani College of Engineering and Technology, Surat.** It was an engaging event that explored the evolving landscape of AI and Data Science. The workshop included practical demonstrations, case studies, and hands-on activities to reinforce key concepts. The session highlighted the breadth of advancements in AI and DS, including the movie success rate prediction system, AI-driven autonomous vehicles, AI-generated pictures, the Sofia robot, AI in fashion, aviation, education, goods, and self-flying helicopters. It was a successful session since; students were able to imbibe the knowledge into practical applications.

## CONTEMPORARY APPLICATIONS OF AI

Interactive session was organized on **8 December 2023** with **Mr. Madhav Bissa, Program Director, NASSCOM,** interacted with the students of Artificial Intelligence & Machine Learning and Artificial Intelligence & Data Science branches and briefed them about the contemporary applications of AI. Throughout the session, attendees actively engaged in interactive talk conducted by Mr. Bissa. He shared his expertise and insights on various aspects of Generative AI and its applications and the differences between Artificial Intelligence, Machine Learning and Deep Learning.

## WORKSHOP ON ARTIFICIAL INTELLIGENCE OPPORTUNITIES & SKILLS FOR EMPLOYABILITY



Workshop was organized on **11 December 2023** on 'Exploring AI Opportunities and Skills for Employability'. **Mr. Udaya Raghunath Birje, Founder & Director Think Street Technologies, Professor of Practice (VIPS-TC)** discussed the essence of AI, the role of people in driving technology, Generative AI. **Mr. Ramesh Padmanabhan, Director Training and Certification, RedHat** discussed the technical aspects of AI, including its backend and Open-Shift technology, Red-Hat Linux and its applications. **Mr. Rajesh Nambiar, Director of Academic and Learning Alliance, UiPath** provided insights into the automation sector in India, industry production trends, perspectives on AI, and its impact on organizations. The workshop concluded with a doubt-clearing session, inspiring students to explore AI courses, develop skills in order to seek the right internships.

# INDUSTRY-ACADEMIA COLLABORATIONS

## VISIT OF NATIONAL CHUNG HSING UNIVERSITY (NCHU) DELEGATION

On **20 November 2023**, a team from National Chung Hsing University, Taiwan, led by **Dr. Chi-Chung Chou, Vice President for International Affairs**, visited VIPS-TC. Their aim was to discuss potential collaboration, focusing on semiconductor programs. During the visit, they toured the newly inaugurated VLSI Design lab, featuring advanced Cadence IC design and Xilinx Vivado FPGA design tools.



Dr. S.C. Vats, Chairman, VIPS-TC being presented with a gesture of gratitude by Dr. Chi-Chung Chou, Vice President for International Affairs of National Chung Hsing University, Taiwan.

## MOU SIGNING WITH CENTRE FOR ENVIRONMENT AND CHANGE, IIPA

An MoU has been signed between **VIPS-TC** and **Centre for Environment and Climate Change, IIPA** by **Shri Surendra Nath Tripathi, Director General, IIPA** and **Dr. S.C. Vats, Chairman, VIPS-TC** at VIPS-TC campus on **21 August 2023**. The MoU signing ceremony was graced by **Prof. V.K. Sharma, Senior Professor, IIPA**, **Dr. Shyamli Singh, Coordinator, Centre for Environment and Climate Change, IIPA**, along with the Chairpersons, Principal, Directors and Deans of VIPS-TC. Under this MoU, students and faculties from VIPS-TC will collaborate with IIPA to contribute to the SDGs, to create a culture of sustainability



Shri Surendra Nath Tripathi, Director General, IIPA being presented with a token of gratitude by Mr. Vineet Vats and Mr. Suneet Vats, Vice-Chairmen, VIPS-TC

## LAUNCH OF JIO TRUE 5G ON CAMPUS

**Launch of Jio True 5G** at the campus on **25 September 2023** was a landmark occasion, bringing together distinguished delegates and showcasing the latest advancements in 5G technology. Delegates, including industry leaders, tech experts, and academia, engaged in dynamic discussions on the impact of 5G on connectivity, innovation, and economic growth. The event not only underscored Jio's commitment to pioneering technological progress but also provided a platform for knowledge exchange and collaboration, setting the stage for a digitally empowered future.



Mr. Suraj Saha, Regional Sales & Distribution-Head, and Mr. Gaurav Kumar, Sales & Distribution-Head from Reliance presenting the JIO True 5G certificate to Mr. Vineet Vats, Vice Chairman, VIPS-TC



# SKILL ENHANCEMENT & PERSONALITY DEVELOPMENT EVENTS

## INDUSTRY VISIT TO NETWORK BULLS



The industrial visit to **Network Bulls, Gurugram** was organized from **28 November to 1 December 2023** with the vision to provide fundamental knowledge of CISCO Networking to students through theoretical sessions and hands-on experiences with hardware and CISCO Packet Tracer. Experienced corporate trainers, including **Mr. Sandeep Kumar** from Network Bulls, Gurugram, conducted interactive sessions throughout the event. They provided insights into the working culture of networking professionals, addressing various cyber threats, vulnerabilities, and preventive measures.

The workshop covered a broad spectrum of topics, such as IP addresses, switches, routers, and auto IP address assignment practices. The visit initiated with a brief introduction to Network Bulls and a rundown of the available networking resources. Following that, students participated in practical training sessions covering a range of networking topics, such as network management, configuration, and troubleshooting. This gave them a chance to enroll in a thorough training course that results in a CISCO networking certificate was one of the visit's highlights for the students. The goal of the event was to provide hands-on experience on CISCO Networking tools such as routers, switches to gain experience of this field which would be beneficial for placement activities in the coming year.



## CRACK THE SUCCESS CODE



**Ms. Aditi Singhal, a Guinness World Record holder**, is a renowned educationist, international math and memory trainer, author, and motivational speaker. She holds two Limca Book of Records titles for memory and fastest calculation and has been awarded "The Best Memory Trainer" by the India Book of Records. As an expert on the TV program 'Hum Honge Kamyab,' she offers value-based solutions to youth problems. She has also spoken at numerous prominent platforms like TEDx, Facebook, and Radio One. She motivated the students to aim at success with prime focus through the event which was organized on **19 October 2023**. Her speech was an enlightening and insightful experience for all listeners.

## THE BATTLE OF WITS AND WORDS



The debate competition was conducted on **21 - 22 September 2023** to develop the comprehension ability of the students. The teams were tested on the basis of content and argumentation, delivery and presentation, rebuttal and counter-argument, along with teamwork and collaboration including engagement with the audience. The motion (for/against) was declared via chit-withdrawal system.

The rounds of the session included on the spot questions like, Is prioritizing economic growth over environmental protection a good idea? or Can Gender Equality Be Achieved? Finale round topic included Role of Media/ Press as 4th Pillar of Democracy.

## FILM SCREENING: THE MAN WHO KNEW INFINITY



To commemorate National Mathematics Day on the birth anniversary of legendary Indian mathematician, **Shri. Srinivasa Ramanujan** a film screening was held on **22 December 2023**. The film, 'The Man Who Knew Infinity' based on the life and experiences of Ramanujan was showcased. It was a learning experience for the students as they realize the challenges faced by the mastermind. In conclusion a quiz competition in mathematics was organized to encourage critical thinking among students, wherein the winners were awarded by cash prizes.

# SOCIO-CULTURAL EVENTS

## SINGLE USE PLASTIC AWARENESS DRIVE



**Srijan (SDG club)** in collaboration with **Bharat Soka Gakkai (BSG)** conducted a Single Use Plastic Awareness Drive 'Embracing Change-One Step at a Time'. The drive was organized in two phases: **5 October 2023(Phase 1)** at District Park, Pitampura and **6 October 2023(Phase 2)** at Japanese Park, Rohini.

The students enthusiastically gathered single use plastic from the parks and interacted with people to create awareness. The collected plastic waste was handed over to BSG for recycling.

## SANRAKSHAN - DONATION DRIVE & AWARENESS CAMPAIGN

A donation drive in collaboration with **Vrikshit Foundation** was organized by **Srijan (SDG club)** on **27 November 2023** for collection of items like clothes, toys, and books for the underprivileged. The goal was sustainable development, benefiting present and future generations while preserving the environment. The students visited Yojana Vihar to spread awareness, with Vrikshit Foundation volunteers. They educated residents on small changes for a healthier environment, leading to many donations.

## HYGIENE AWARENESS DRIVE



**Srijan (SDG club)** organized an initiative of combining a hygiene awareness drive with a generous donation of toiletries to support the residents' immediate needs at **SPID Kishori Home** on **14 December 2023**. The students participated in engaging activities, including an interactive hygiene awareness session, a movie screening of 'The Wish Dragon,' and team-building games, fostering a positive and joyful atmosphere. They spent quality time interacting with the girls, creating a genuine connection and an environment of camaraderie and support. The event served as a powerful reminder of the transformative impact of community engagement, leaving a lasting impression on both organisers and residents while highlighting the potential for positive change through simple acts of kindness and support.

## ABHIVYAKTI - अभिव्यक्ति

Abhivyakati, a cultural extravaganza was organized on **11 December 2023** to provide opportunities to the students to showcase their hidden talents. The event included excellent handicraft exhibition and outstanding cultural performances by various cultural societies of the school. Adding a symphony of colors and rhythms to the evening were the stellar performances that left the audience spellbound, eliciting thunderous applause and accolades.

Further, a healthy competition for Mr. and Miss VSE&T, Mr. and Miss Freshers and shining stars, was held among the second and first-year students. It was an exciting part of the event. The competition consisted of three rounds, namely, Introduction, Talent exhibition and Q & A. The students participated in these competitions with enthusiasm and showcased remarkable talents including singing, dancing, acting and poetry reading. The winners and participants of the event were honored by memento and appreciation certificates. The event became a renaissance of cultural endeavors amalgamating the aspects of education and holistic learning.



# STUDENT ACHIEVEMENTS (TECHNICAL)

## CSE Branch

- **Anishka Gupta and Manan Chawla** bagged Best Paper Presentation Award for presenting their paper entitled “**Analyzing the Impact of Sustainable Development on the Global Economy: A Time Series Analysis and Machine Learning Approach**” in International Conference on Global Economic and Social Development Geopolitical Challenges and Way Forward held on 24-25 November 2023.
- **Aneesh Khanna** attained the second position in In-Campus event **Gaming Arena**, held on 1 December 2023.
- **Sarthak Jha** secured first position in the event **Timescape Trivia** conducted by Symbiosis Centre of Management Studies, Noida held on 19 October 2023.

- **Yash** won second prize at **HustleX1.0**, jointly conducted by Ways Ahead Global Pvt. Ltd., Singapore and IIM Lucknow, held on 11-12 August 2023.
- **Swayam Mahindroo, Mehul Batra and Kanik Makhija** got best paper presenter award for his paper “**Employee Attendance System based on Internet protocol Address using Internet Addressing**” presented in Recent Advances in Computing Sciences held on 29 November 2023.

## IIoT Branch

## AIML Branch

- **Nityam Madan and Krish Gaur** secured first position in the event **SolveSphere** conducted by BPIT held on 30 November 2023.
- **Himanshu Gupta** secured second position in **Fintech Trade Fest** organized by IIT Jammu held on 17 November 2023.
- **Yash Sharma** awarded with Top contributor award in the even **Hacktoberfest23** organized at international level held on 12 October 2023.
- **Prashant Kumar and Kanak Ahuja** got best paper award for her paper entitled “**Advancing Technology for Safer roads: intelligent System and Innovations in accident detection for prioritizing road safety education**” published in International Conference on Responsible Consumption Production and Education for Sustainable Future held on 19 October 2023.

- **Kairav Bhatia** acquired First position in In-Campus **web3 quiz** held on 18 October 2023.
- **Neil Dwivedi** secured second position in the event **SolveSphere** conducted in BPIT held on 20 November 2023.
- **Mansha Rathee, Prakhar Jain, Ribhav Bhatia** received best paper award for her paper published in International Conference on Innovative Computing and Communication 2024.
- **Kinjal Bansal** bagged Best Paper Presentation Award for presenting their paper entitled “**Impact of Geo-Political Issue on Energy Security**” in International Conference on Global Economic and Social Development Geopolitical Challenges and Way Forward held on 24-25 November 2023.
- **Suhani Singhal** held the position of Vice President at the Hansraj Model United Nations Conference and received a remuneration of Rs. 2000, held on 7 - 8 November 2023.
- **Shiven Kashyap** was a National Finalist in the event Venture Verse conducted by Shaheed Sukhdev College held on 4 September 2023.

## AIDS Branch

# STUDENT ACHIEVEMENTS (NON - TECHNICAL)

## CSE Branch

- **Jaskirat Kaur Oberoi** secured Second Position in Volleyball Match of **GGSIU Annual Meet** held on 21 October 2023.
- **Akshit Mehtani** secured first position in cricket match held at **GGSIU Annual Sports Meet** held on 21 October 2023.
- **Himanshu Jindal** won cash prize for water color painting category in-campus event Abhivyakti held on 12 December 2023.
- **Sarthak Narang** secured first position in GGSIPU Intercollege Cricket Championship held on 15 December 2023.

- **Anshika Tyagi** bagged First Position in **Art Exhibition** by Kalakriti Society; an in-campus event held on 12 December 2023.

## IIoT Branch

## AIML Branch

- **Khushi Sharma** won third position in **Bag & Brush Bonanza** an in-campus event conducted by the Kalakriti society held on 1 December 2023.
- **Divyansh Tyagi** secured first position in cricket match held at **GGSIU Annual Sports Meet** held on 21 October 2023.
- **Achintya Kamra and Yash Narang** secured first position in **Battle of Words**, an in-campus event, conducted by the Srijan society, while **Gaurav Sardar** secured the 2nd position held on 22 September 2023.
- **Ritik Arora** secured second position in tug-of-war at **GGSIU Annual Sports Meet** held on 19-21 October 2023.

- **Radhika Gupta and Simran Kumra** were volleyball runner-up's in **GGSIU Annual Sports Meet** held at university level on 21 October 2023.
- **Siddhant Chauhan** secured first position for basketball as well as for tug of war in **NCC event** held on 24 November 2023.
- **Aakansha Maken** secured third position in **Intercollege solo dance competition** conducted in-campus held on 16 October 2023.
- **Bhavya Munjal** secured fourth position in tug of war held in **GGSIU Annual Sports Meet** held on 21 October 2023.
- **Arushi Rawat** secured second position in volleyball match of **GGSIU Annual Sports Meet** held on 21 October 2023.
- **Aparna Singh** secured second position in basketball match of **GGSIU Annual Sports Meet** organized on 21 October 2023. She also secured third position in basketball match organized by ADGIPS held on 16-20 October 2023.
- **Rachit Bhatia** bagged first position in the event **Innovaccer Pro T20 League-Season 3** organized by Innovaccer held on 29 November 2023.
- **Harshit** secured first position in **Alfresco- volleyball match** in-campus held on 21 October 2023.
- **Nikhil Goyal** has bagged several positions in various dance competitions organized by many institutions including **MAMC, BIMTECH, IMT-GZB, IMS-GZB, IIT-DELHI, BPIT, FSM, TERISAS** during August 2023 to December 2023.
- **Yuvraj Madaan** secured second position in tug-of-war at **GGSIU Annual Sports Meet** held on 19-21 October 2023.
- **Kanik Makhija** received second prize in In-Campus Debate Competition held on 22 September 2023.

## AIDS Branch



Volleyball team secured the 2nd position in the 18th Annual Sports Meet at GGSIPU.



Cricket team secured the 1st position in the 18th Annual Sports Meet at GGSIPU.



Tug of war team secured the 2nd position in the 18th Annual Sports Meet at GGSIPU.

## Journal Publications

- **Dr. Deepali Virmani** published a paper entitled “**Multi to binary class size based imbalance handling technique in wireless sensor networks**” in International Journal of Nanotechnology
- **Dr. Deepak Tiwari** published a paper entitled “**Thermodynamic analysis of multiple evacuated collector-driven organic Rankine cycle**” in International Journal of Exergy
- **Dr. Mudita Nagpal** published a paper entitled “**Recent Advances in the Pharmacological Activities of Glycyrrhizin, Glycyrrhetic Acid, and Their Analogs**” in Revista Brasileira de Farmacognosia
- **Dr. Deepti Chopra** published a paper entitled “**Integrating Fuzzy Logic and Natural Language Processing for Uncertainty Management in Sentiment Analysis**” in Journal of Harbin Engineering University
- **Dr. Gopal** published a paper entitled “**Advanced energy efficient pegasis based routing protocol for IOT applications**” in Microprocessors and Microsystems Journal
- **Dr. Srishti** published a paper entitled “**Soft Computing Techniques for the Energy Management in Hybrid Electric Vehicle**” in International Journal of Research and Analytical Reviews
- **Dr. Sonakshi Vij** published a paper entitled “**Elucidating Gender Discrepancies in Skill Development and Media Consumption During Youth Isolation**” in International Journal of Creative Research Thoughts

- **Dr. Deepali Virmani** published a paper entitled “**Spam Detection Using Naïve Bayes and Trigger-Based Filter**” in International Conference on Innovative Computing & Communication
- **Dr. Deepali Virmani and Dr. Sonakshi Vij** published a paper entitled “**A Fuzzy Logic-Based Crime Rate Evaluation Model Using Data Analytics**” in International Conference on Innovative Computing & Communication
- **Dr. Deepali Virmani** published a paper entitled “**A Multiple Linear Regression-Based Model for Determining State-Wise Pregnancy Care Status for Urban and Rural Areas**” in International Conference on Advances in Data-driven Computing and Intelligent System
- **Dr. Deepak Tiwari** published a paper entitled “**Performance Analysis of a Novel Solar organic Rankine cycle (ORC)**” in the conference of American Institute of Physics
- **Dr. Nikita Sharma** published a paper entitled “**Climate Change: Adaptation and Mitigation**” in the International Conference on Global Economic and Social Development: Geopolitical Challenges and Way Forward
- **Dr. Vishal Srivastava** published a paper entitled “**Geopolitical Consequences of the Russia-Ukraine Military Conflict**” in the International Conference on Global Economic and Social Development: Geopolitical Challenges and Way Forward
- **Dr. Deepika Bhatia** published three research paper entitled “**Advancing Technology for Safer Roads: Intelligent Systems and Innovations in Accident Detection for Prioritizing Road Safety Education**”; “**Optimizing Hydroponic Systems with A Compact and Robust Sensor Module for Environmental Monitoring**” and “**Analyzing the Statistical Quality of India's River and Ground Water: Gunaamrit Study**” in the International Conference on Responsible Consumption, Production and Education for Sustainable Future”
- **Dr. Sonakshi Vij** published a paper entitled “**A Fuzzy Set-Based Methodology to Analyze the Status of Football Clubs in the English Premier League**” in the International Conference on Innovative Computing and Communication
- **Dr. Ashish Kumar** published a paper entitled “**Employee Attendance System based on Internet Protocol Address using Internet Addressing**” in International Conference on Recent Advances in Computing Sciences
- **Dr. Ashish Kumar** published a paper entitled “**Detecting Fake News: NLP and machine Learning approach**” in the International Conference on Artificial Intelligence, Advanced Materials, and Mechatronics Systems
- **Dr. Navneet Kumar** published papers entitled “**An Investigation on exploring the resume screening process through the lens of various AI Models**” and “**YOLO: An Investigation on revolutionizing Object detection for application in autonomous vehicles**” and “**Artificial Intelligence: A potential to promote education sector**” and “**Sustainable lifestyle: A potential to promote safer Environment**” and “**Interaction of Ionised Gas - Plasma Environments of Planets with Solar Wind and its Impacts**” and “**Software And Marketing: A Potential to Develop Investment and Embracing sustainability in fashion**” and “**Technological Development in Education and Educational Policies**” and “**Influence of futuristic schools in sustainable education**” in the conference Responsible Consumption, Production and Education for Sustainable Future

## Conference Publications

## Books Published

**Dr. Deepti Chopra** authored a book entitled “**Artificial Intelligence and Machine Learning: A Comprehensive Guide**” published by Ane Publishing

- **Dr. Garima Chanana** and **Dr. Nivedita** authored book chapters titled “**Plant Disease Detection System Using Image Processing in the Field of Sustainable Agriculture**” and “**Smart IoT Parking for Responsible Consumption of Resources for Building a Sustainable Future**” in the book “**Responsible Consumption, Production & Education, A Roadmap for Sustainable Future**”

## Book Chapters Authored

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- Advances in Materials & Processing Technologies (ESCI, Impact Factor 2.2)
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