The first AICTE sponsored National Conference was organized by the Vivekananda School of Information Technology on Wednesday, October 20, 2021. The scope of the conference includes themes in the key areas of Data Science, Artificial Intelligence and Machine Learning, Internet of Things and Information Security.

**Time:**

10.30 a.m – 1.30 p.m

**Faculty Coordinators:**

Conference Convener: Dr. Rajan Gupta  
Conference Co-Conveners: Dr. Pawan Wig  
Dr. Shalini Bhartiya  
Ms. Kanta Malik  
Conference Secretary: Dr. Iti Batra  
Organising Team: Ms. Indu Sahu  
Ms. Priyanka Gupta  
Ms. Deepika Bhatia  
Ms. Aastha Bhardwaj

**Guest Speakers:**

Prof. B.V. Ramana Reddy, Professor University School of Information, Communication and Technology.

Prof. Nasib Singh Gill, Director, Directorate of Distance Education and Digital Learning Centre, Maharshi Dayanand University, Rohtak.

Prof. Amit Prakash Singh, Professor University School of Information, Communication and Technology.

MS. Reena Garg, Scientist F & Head (Electronics &IT Dept.) at Bureau of Indian Standards.

**Student Coordinators:**

Prachi Sharma  
Abhay
Objectives of the Conference:

- Endeavour the participants with the recent research being carried out across multiple IT domains.
- Providing a platform to exchange innovative ideas and information among fellow academicians and industry experts.
- Providing an opportunity to increase research thrust by academicians, researchers, students, and administrative officials to facilitate personal interaction, exchange and share innovative viable thoughts and experiences.

Brochure of the National Conference- VSIIT 2021
Detailed Report:

The first AICTE sponsored National Conference was organized by the Vivekananda School of Information Technology on Wednesday, October 20, 2021. The scope of the conference includes themes in the key areas of Data Science, Artificial Intelligence and Machine Learning, Internet of Things and Information Security.

VSIIT’21 commenced with the lighting of the lamp by the group of dignitaries and blessings of Goddess Saraswati were invoked through the Saraswati Vandana. The dignitaries were felicitated with bouquets and mementoes. The inauguration was kick-started with a welcome address by Prof Dr Supriya Madan, Dean VSIT. Her words ignited an energetic and enthusiastic beginning to the 2-day conference. To add more zeal to the conference, our Vice Chairman, Mr Suneet Vats talked about the importance of artificial intelligence in today’s world citing plentiful examples from day-to-day life and shared his motivational words with the audience.

The Conference Proceedings were then released by the eminent guests.
Prof Reddy, reminded us all that AI is not new, artificial intelligence has been there for years, in today’s world it has resurfaced and gained new importance as machine learning has come up in a big way. He also talked about information security in today’s world keeping in mind the emergence of cloud computing technologies.

After Prof Reddy, Prof Gill pointed out the importance of motivating students and inculcating a culture of innovation amongst the students. According to him, as teachers, we own the responsibility of nurturing students into future innovators and winning laurels for the country. Prof Amit Prakash Singh reiterated the emergence of smart cities and talked about the applications of IOT and machine learning.

We also had a special guest Ms Reena Garg, Scientist F, in BIS. She gave an insight into what the national and international standards are and how they are designed. She also discussed some common standards and a few uncommon ones. Mostly the standards related to IT, standards related to cloud technology, Networking technologies, and many others. There were three technical sessions, conducted across the two days. The first technical session was conducted on Day 1: 20th October 2021 in the evening. The session was chaired by Prof Nasib Singh Gill, Prof Amit Prakash and Prof Goldie Gabrani.

The other two technical sessions were conducted in the morning on Day 2: October 21, 2021. Technical Session 2, was chaired by Prof Shailender Kumar from Delhi Technological
University and Technical Session 3, was chaired by Prof Rahul Katarya from Delhi Technological University.

The National Conference concluded on Day 2: October 21, 2021, with the Valedictory session hosted by VSIIT students, Kaushiki Gupta and Kartik Somwal followed by the conference Co-convener Dr. Shalini Bhartiya introducing the session’s dignitaries. Dr. Pawan Whig, Co-Convener, VSIIT-2021 gave the introductory address and explained the true meaning of the conference theme. He concluded by thanking the chief guests, faculty members, participants and student coordinators.

Mr. Karan Bamba, Vice President- SCM and Commercial Operations, HFCL Ltd. gave the valedictory address. He shared his insight on Electronics and Machine Learning. His words were inspiring and were bound to motivate every single person present in the hall.

Mr. Atul Gupta, Associate Director, RAMCO systems was invited to give an insight into the themes of this conference in the state of the art corporate world. He presented his understanding and intelligence on terms like AIML, RPA, PRIVACY INFOTECH and ECOSYSTEM. He shared a few key points on AIML (used cases) and a few examples like, by 2025, maximum transactions will shift to voice processing, MRO, and maintenance of aircraft systems. He concluded the session by appreciating the efforts of the VSIIT team in the successful completion of the conference.
Ms. Indu Sahu, member of the organizing committee of the conference was invited to announce the best papers of the conference and technical sessions.

**1st Technical Session:** Held on 20th October 2021  
*Topic:* Data Science and Artificial Intelligence.  
*Chaired By:* Professor Gill, Mr. Amit Prakash, Mr. Goldik Abrahim  
*Winner of the Best Paper in the session:* Akansha Singh, Nupur Prakash

**2nd Technical Session:** Held on 21st October 2021  
*Topic:* AIML  
*Chaired By:* Rahul Kataria  
*Winner of the Best Paper in the session:* Mohammad Asif

**3rd Technical Session:** held on 21st October 2021  
*Topic:* Information Security  
*Chaired By:* Professor Shailendra Kumar  
*Winner of the Best Paper in the session:* Ananya Goel

**Prof. Sidharth Mishra, Chairperson, VSIT** presented mementoes to the organizing committee and the Dean, VSIT. Additionally, The Convener Dr. Rajan Gupta divulged the Conference Report for VSIIT. He enlightened the conference with his words and vote of thanks for the efforts of the chief guests in making the best possible decision in choosing the best paper. He presented his gratitude towards the efforts of the faculty and the student coordinators.

**Dr. Anuradha Jain, Principal, VSIT** shared her perspective with the conference. She presented her vote of thanks to the team and concluded the conference VSIIT-2021.
Technical Session 1

Artificial intelligence and Data Science

The session was chaired by three eminent members

**Prof. Dr. Nasib Singh Gill**-Director of the Digital Learning Initiatives & Monitoring Cell M.D. University, Rohtak

**Prof Dr. Amit Prakash** - Professor in University School of Information, Communication & Technology.

**Prof Dr. Goldie Gabrani**-She is the dean of the newly constituted engineering and technology institute of VIPS.

The session was conducted under the supervision of track in-charges Ms. Indu Sahu who was assisted by student coordinators, Muskan Jindal and Aditi Tiwari

**Prof Dr. NASIB SINGH GILL** in his concluding remarks appreciated all the participants for doing hard work and preparing such amazing research papers. He suggested them to do research work that would benefit our society in some way or the other.
Dr. Rajan, Convenor of the Conference, presented memento to Prof Dr. NASIB SINGH GILL.

Dr. Amit Prakash said that some participants worked in very depth. He said to find the area of expertise and take care of the scope of the research. He also suggested representing some experimental work.

Dr. Pawan Whig, Co-Convenor of the Conference, presented a memento to Dr. Amit Prakash
Dr. Goldie Gabrani suggested that students should find the objective of the research and must file the idea of whatever comes to the mind related to new research as its value matters.

Dean VSIT Dr. Supriya Madan, presented a memento to Dr. Goldie Gabrani

The Winner of the Best Paper in the Session was Akansha Singh from USICT, GGSIPU. Akansha Singh presented the research work titled A Review of AI Models for Prediction and Detecting Heart Diseases for Improved Wellbeing. The authors were Akansha Singh and Prof. Nupur Prakash, USICT, GGSIPU.
Technical Session 2

Artificial intelligence and Machine learning

The Session Chair for this session was Professor Dr Rahul Katarya, Professor, Department of Computer Science & Engineering, Delhi Technological University, Delhi. His research interests include Big Data & prediction, Healthcare, Web Mining, Social Networks, Recommender Systems, Personalization, Knowledge Discovery, Computational Intelligence, Multimedia, Human Behaviour, and Business Intelligence.

In the 2nd session research papers on artificial intelligence and machine learning were presented by the participants.

Professor Dr Rahul Katarya was presented a memento by Ms Deepika Bhatia.
The session was conducted under the supervision of track in-charges Ms Indu Sahu who was assisted by student coordinators, Anushka Malik and Aastha Kohli.

The Winner of the Best Paper in the Session was Mohd Asif from Decimal Technologies. Mohd Asif presented the research work titled Face Detection and Recognition with Mask.

The authors were Mohd Asif, Decimal Technologies and Deepali Kamthania.

The presentations were followed by some conceptual questions by the judges. The session was concluded with motivational words from the session chair Prof. Dr. Rahul Katarya.
Technical Session 3
Information Security and Internet of Things

The Session Chair for this session was Prof. Dr. Shailender Kumar, a Professor in the Department of Computer Science and Engineering at Delhi Technological University. He has published more than 70 research papers in various reputed International Journals and Conferences.

His expert areas are

Database Systems, Data mining, Big Data Analytics, Machine Learning, Information Security, Compiler Construction, Computer Networks

Dr. Shailender Kumar was presented a memento by Prof Dr. Supriya Madan
The session was conducted under the supervision of track in-charges prof. Indu Sahu who was assisted by student coordinators, Muskan Jindal and Aditi Tiwari. The Winner of the Best Paper in the Session was Ananya Goel from UPES. Ananya Goel presented the research work titled investigating technology in designing smart cities.

To conclude the session Prof Dr. Shailender Kumar pointed out that it was his first visit to VIPS and he was happy to see such enthusiasm in students and he appreciated the efforts of students. He suggested that students should read good journal papers, further, he emphasized that students should write something which is not having repetition and attracts readers.
Dean, Prof Supriya Madan, said she is happy to see students presenting research papers and for the little step they took, she said that students can visit the library or can refer to online papers to gain more knowledge. Mam suggested focusing on the format of the paper by coordinating with teachers.