SPICON2022 REPORT

Sardar Patel College of Engineering, Andheri, Mumbai is completing its 60th year in 2022. In this 60th year Jubilee, SPCE organised Sardar Patel International Conference on Industry 4.0 - Nascent Technologies and Sustainability for 'Make in India' Initiative (SPICON 2022) on **22nd - 23rd December 2022.**

SPICON 2022 received the blessings of our patrons Hon Director DTE Dr Abhay Wagh, Hon Joint Director DTE Dr Pramod Naik, Bhartiya Vidya Bhavan's Governing Board members Hon Dr H.N.Dastoor and Jt Exe Secretary Shri Jagdish Lakahni, SPCE-BOG Chairman Dr Sesha Iyer, SPCE-BOG member Hon Asif Mulla , Principal SPCE Hon Dr M M Murudi, Principal SPIT Hon Dr B N Chaudhari.

SPICON-2022 was sponsored by Govt of India's premier Organisations like SERB, AICTE, CSIR. It is also sponsored by IIIE Mumbai Chapter, Turn it in and Apex subscriptions.

Dr Kiran Bhole (Programme Chair of SPICON 2022) put in sincere efforts in getting the sponsorship from Government organisations and Dr Kiran Talele (Programme Chair of SPICON 2022) coordinated efforts towards technical collaborations with IEEE.

SPICON 2022 was organised in association with Sardar Patel Institute of Technology, Mumbai, **Capegemini, SAE India WS, Institution of Engineers (India), Indian Institution of Industrial Engineering, Federation of Education Leaders and Administrators (FELA).** Further **SPICON-2022 has technical collaboration with American Institute of Physics (AIP) and IEEE Bombay Section for publishing proceedings of the conference.**

Original contributions based on theoretical, experimental, design, development, simulation, application, test, and case studies were in invited for presentation at SPICON-2022.

Authors could opt for AIP or IEEE for publishing the article and preparing the manuscript as per the corresponding prescribed format.

Formats for manuscript preparation were available on the conference website *https://www.spce.ac.in/conference.php*

SPICON submission were received on easy chair professional software.

SPICON2022 offered following tracks for submission.
· Track 1: Advances in Mechanical Engineering
· Track 2: Advances in Civil Engineering
· Track 3: Electrical, Electronics and Telecommunication Engineering
· Track 4: Computer Science and Engineering (AI, ML and Data Science)
· Track 5: Information & Computer Technologies
· Track 6: VLSI & Signal Processing

SPICON 2022 has received overwhelming response of more than 330 papers. We received papers from India, US, Korea and Malaysia.

SPICON has three important themes Sustainability, Industry 4.0 and Make in India Initiative.

The conference invited research papers on Application of Industry 4.0 technologies to achieve the sustainability and support make in India Initiative.

The conference was also focused on sustainability and was in alignment with 17 sustainable goals of United Nations.

The conference featured paper presentations in Online and offline modes. Total 170 papers were presented in 34 sessions. It also offered keynote speeches by eminent speakers who will focus on state-of-the-art development in the field of industry 4.0 like, green technology, lean manufacturing, Supply chain, innovative business processes, cloud deliver, network virtualization, network security, big data analysis, machine learning and prediction analytics, IoT, Blockchain and their recent trends in various verticals of engineering.

Conference was conducted on two days. Inaugural Function of SPICON 2022 was a Grand Event itself.

Initially in Inaugural function dignitaries were requested to take their seats on dais.
Lighting of Lamp by Dignitaries was followed by saraswati vandana. To remember Dr Kulapti Munshi ji and Iron Man of India Sardar Patel speeches were given.

All the dignitaries on dais were felicitated with warm welcome.

Member of Board of Governance of SPCE Hon Asif Mulla Sir welcomed all the Guests to SPICON 2022. He also offered his best wishes to SPICON 2022 for its grand success.

Then Conference Chair Dr Santosh Rane introduced SPICON 2022 to audience and also thanked all stakeholders for making the conference as a grand successful event.

Principal SPCE Dr M M Murudi addressed the audience and appreciated the efforts of SPICON Team.

Principal SPIT Dr B N Chaudhari addressed the audience and he emphasised on adoption of the technologies. He also offered his best wishes for success of SPICON 2022.

Guest of honour and Key note Speaker Dr Arvind Ankalikar , Special Guest and Key Note Speaker Mr Sanjeev Gupta also addressed the audience and appreciated SPCE for organising such a wonderful conference at the right time.

Chief Guest Dr.Sharad Saraf , Chairman BOG IIT Bombay, Chairman BOG IIT Jammu addressed the audience and ignited the minds with revolutionary thoughts. He emphasised on Alumni's contribution in development of Institution. He also emphasised on Sustainability and Make in India initiative.

Inaugural Function was followed by Key Note speeches by Dr Arvind Ankalikar, Executive Vice President LTIMindtree and Mr Sanjeev Gupta Sr Vice President Capgemini. Both Key note speeches has covered Excellent use cases of Industry 4.0 technologies.

Conference Tutorials were organised by Tutorial Chair Dr Dhanajay Kalbande and Tutorial Co-chair Dr Aarti Karande successfully.

Panel Discussions were organised by Prof Satish Barot. High Profile educationists were invited as eminent panellists to ignite the minds about technologies in education.

On the second day Key note speech on (I for industry 4.0) was offered by Dr K S Gupta , Director KSG centre for Quality minds Banglore.

SPICON 2022 acknowledges and appreciates the contribution of the editors and reviewers. They have made a significant contribution to improving the quality of the manuscripts included in the proceedings. We would also like to express our gratitude to the members of the organizing committees for their efforts in supporting the event and extending their cooperation in making this event a grand success.

Programme Chairs Dr Kiran Bhole and Dr Kiran Talele contributed significantly for organising SPICON2022.

SPICON 2022 has received remarkable contribution from students organising committees.

We are thankful to Management of SPCE, Programme Chairs, Track Chairs, Session Chairs, Reviewers, All organsing committee members, Faculty Members, Advisory Committee members, Conference core committee members, Supporting Staff, Sponsors, Student Committee members, Suppliers for making this conference as a grand successful event.

Dr. Santosh Rane
Conference Chair
Sardar Patel International Conference
SPICON 2022