A Report on
National Symposium on Futuristic Technologies 2019

Date: 3\textsuperscript{rd} & 4\textsuperscript{th} October

Organized by BVM Engineering College

Venue: BVM Auditorium
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ACKNOWLEDGMENT

The Symposium was impossible for us without the efforts and valuable inputs from college and faculties. We are here extending to our great acknowledgment and appreciation to following persons with their memorial inputs that are very significant in making this event possible: -

The First and the most acknowledged Person is Dr. Jagdish Rathod, Dr. Darshan Dalwadi & Dr. Mukesh Shimpi who were the Convener, Organizing Secretary & TEQIP Coordinator respectively of National Symposium on Futuristic Technologies. They were very helpful to us from the planning to execution of the program. He has inspired us to arrange such kind of Symposium.

Not only that they have been giving the tremendous opportunity for organizing the Symposium by their professional and academic guidance, fairness and responsiveness to kind of queries also remains them as a role model, therefore we are extending our gratitude to them. Next and the acknowledged Dr. Indrajit Patel (Principal, BVM Engineering college) who has been very faithful to us, he is also always ready for solving problem-related to Symposium and conclude it, ascertaining him a commemorative plaque at deep of our heart. Again, thanks for the valuable collaborations.

Lastly thanks to all delegates and the hardworking team NSFT’19 of this Symposium for sparing your valuable time for symposium and thanks to all the sponsors who have partnered and made it possible to make this Symposium a grand success.
The Objective of National Symposium on Futuristic Technologies

The symposium’s theme is on delivering advanced knowledge for the futuristic technologies in the domain of Business Technologies, Cloud Computing, Information Technology, High-Speed Travel, Internet of Things, Space Technologies, Cyber Security, Machine Learning, Smart Villages, etc. to improvise and cultivate futuristic technologies for both delegates and academic professionals. We are honored to let you know that this symposium focuses on "Challenges and Opportunities for the Future Technologies", in different domains. The speakers who have an illustrious career and experience in their respective fields of knowledge will be delivering the talk at our program. As India is advancing in technology day by day, their expertise can help our student delegates understand the scenario from firsthand experience. Delegates and academic professionals who are in diverse fields of engineering will come to know about the challenges and opportunities for the same.

The Outcome for Delegates: The Delegates will gain the Knowledge in the various Futuristic technologies.

The symposium had a total of 400+ Delegates from all over the country which includes delegates, Academic Professionals & Industry Experts.

The symposium hosted a total of 8 Distinguished speakers who shared their wonderful views and experience in their domains throughout the Symposium.
DAY 1 (3rd October): National Symposium on Futuristic Technologies

The Day 1 of National Symposium on Futuristic Technologies is full of enthusiasm and Joy for delegates as well as the organizing committee of NSFT’19. The delegates had informative and wonderful interactions with our Distinguished speakers on that Day.

The Day 1 includes the following Events:

1. Inauguration Ceremony of the National Symposium on Futuristic Technology
2. Inauguration Ceremony of ELARC Lab of Birla Vishvakarma Mahavidyalaya.
3. Session on Electrifying Vehicles
4. Session on Remote Sensing and Space Technologies
5. Session on Smart Home Solutions
6. Session on Spacifying the Internet

Inauguration Ceremony of the National Symposium on Futuristic Technology:

Inauguration ceremony of the event commenced on October 3 2019, at 10:00 AM with prayer and lightning the lamp, Dr. Indrajit Patel, Principal, BVM graced ceremony as and welcomed everyone to the venue, he inspired delegates with his motivational words and energetic approach. Mr. Prayasvin Patel CMD Elecon Group of Companies, Chief Guest of the function motivated delegates with his enlightening thoughts. Er. Bhikhubhai Patel, Chairman, Charutar Vidya Mandal and the President for the symposium gave his blessings to all delegates and encouraged them towards building a brighter and prosperous future. The inauguration ceremony was concluded by Vote of Thanks and the National Anthem of India.
Inauguration Ceremony of ELARC Lab Of Birla Vishvakarma Mahavidyalaya

ELARC LAB is a Center of excellence lab that was developed by the ENTUPLE. The Lab is for Electromagnetics, Signal Processing, Antenna Design, Radio Frequency Designs. The Lab has various scopes for the delegates who are enthusiastic regarding these domains. This Lab is Inaugurated by the Principle of Birla Vishvakarma Mahavidyalaya, Chief Guest Mr. Prayasvin B Patel, Chairman of Charutar Vidya Mandal, Er. Bhikhubhai Patel, Kulpati of Charutar Vidya Mandal, Dr. Bhavesbhai Patel & Keynote speaker Dr. Shiv Mohan at 10:45 am.

Figure 2: Inauguration of ELARC
Session on Electrifying Vehicles

Mr. Nihar Raj is Vice President at ABB Ltd (Power Consultancy). Mr. Raj is the senior Management professional with rich experience in handling the Business across the geography. Mr. Raj is the Business Head for Power Consulting - Asia Region. He has delivered an informative, interactive and innovative Session on Electrifying Vehicles at 11:00 am. He has inspired a lot of delegates to design Electric Vehicles and solved various doubts of the delegates regarding the Electric Vehicles.

Figure 3: Mr. Nihar Raj delivering a session on Electrifying Vehicles
Session on Remote Sensing and Space technology

Dr. Shiv Mohan was the Keynote Speaker for the National Symposium on Futuristic Technologies. Dr. Shiv Mohan is the Microwave Remote Sensing Specialist, EX-ISRO Dr. Shiv Mohan served ISRO for about thirty-three years (1978-2011) and evolved microwave remote sensing applications in India. He was Principal investigator of many International Announcements of opportunity research projects on microwave remote sensing from European Space Agency, NASA/DLR, Japanese Exploration Agency and Italian Space Agency. He has Delivered an Informative session on Remote Sensing & Space Technologies, at 11:45 am. He has explained in depth the Remote sensing process. So many Space enthusiastic Delegates are getting more knowledge about the Remote Sensing & Various Space Technologies. Overall It was a great informative session.

Figure 4: Dr. Shiv Mohan delivering Session on Remote Sensing & Space Technology
Session on Smart Home Solutions

Ms. Namrata Doshi is the Creative Consultant for Architectural Design, Experience Design, Master Planning, Retail Interiors and VM. An industry expert and independent design consultant for architecture, interiors and experience design. Some consulting assignments involve builder projects, showroom designs, retail food outlet experience designs etc. Currently, as an experienced green building trainer, she helps companies train and build teams for green building technology. Client and individuals include known names like Apple, Bluestar, Siemens, Lodha Group, Blue Resorts and Spa, Infosys, TCS, etc. Ms. Namrata has delivered the marvelous session on Smart Home Solutions at 2:00 pm. Though she is an architect, she has a wonderful knowledge of the sensors which makes the home smart. So many delegates’ delegates get to know about various smart sensors and get their doubts to solve regarding those sensors. She had also explained about various smart home devices and how they have the upper hand in our living experience. Indeed, the talked guided the delegates towards how the future is improving with such technologies.

Figure 5: Ms. Namrata Doshi delivering Session on Smart Home Solutions
Session on Spacifying The Internet

It was the last and most amazing session of the day. Mr. Siddharth Rajhans is the United Nation Policy officer. Mr. Siddharth is a Harvard educated first-generation technology entrepreneur, a Silicon Valley Technocrat, management researcher, TEDx and entrepreneurship speaker and Pioneer of the Outernet Technology in India and the Asia Pacific Region. His Startup “Spacify” which has been working to provide satellite-powered internet or “Outernet” in Singapore and parts of rural India as part of the Digital India initiative. This was the same project in which he received the patronage of the Former President of India Dr. APJ Abdul Kalam. He has delivered an informative session on his start-up Spacifying the Internet and covered the journey throughout his life at 4:00 pm. and share his wonderful experience of various giant companies like Facebook, Google, Apple. He indeed motivated the delegates to do their start-up in the futuristic domains.

Figure 6: Mr. Siddharth Rajhans is delivering Session on Spacifying The Internet
DAY 2 (4th October): National Symposium on Futuristic Technologies

It was another exciting Day of Symposium where the delegates were more excited and more enthusiastic due to the previous day. The entire day is divided into various sessions and the sessions are:

1. Session on Future With 5G
2. Session on Cyber Threats & Future Landscape
3. Session on Virtualizing Reality
4. Session of Smart Villages to Smart Nation
5. Closing Ceremony

Session on Future with 5G

Mr. Subodh Gajare, Senior Architect, Cisco R&D Centre, Bangalore Subodh has over 25 years of experience in the IT and Telecom industry. Core activities involve Platform Development, testing, validation, designing, operations and developing solutions across technologies. Currently, he is a Solution Architect for Cisco - Design and implements solutions for Service provider and Enterprise customers - based on SDN/NFV, IoT, Mobility (4G to 5G transformation), Security, Virtualization, Cloud, designing s/w Orchestration platforms for end-to-end management of networks. He has delivered his beautiful session on the Future with 5G. In this session, he has explained the architecture of 5G as well as its future scope in various domains like Healthcare, IoT, Automobile Industry etc. He has started his session on 9:00 am. According to delegates, it was most interesting Session. Delegates have gained in-depth knowledge of 5G Technology.
Session on Cyber Threats & Future Landscape

Mr. Vikram Naresh Chaudhary is the Chairman and Managing Director of the Council of Information security, Instructor at Military College of Telecommunication Engineering Mr. Vikram Chaudhary is an Experienced chairperson with a demonstrated history of working in the nonprofit organization management industry. He is a strong Business development professional from the Indian Military Academy. He has delivered his session on **Cyber Threats & Future Landscape at 11:00 am.** He has made every participant aware of cybercrimes happening all over the country and what kind of precautions must be taken to avoid such situations. He has also explained the case studies of various countries which were suffered due to cybercrimes. He is one of the most dynamic personality among all the Speakers in NSFT.

Figure 9,10 & 11: Mr. Vikram Naresh Chaudhary Delivering Session on Cyber Crime Threats & Future Landscape
Session on Virtualizing Reality

Mr. Vivek Sharma is the Founder and CEO of Kingster636 Games, also he is a Unity Expert and an AR/VR Specialist. He has a rich background of 3D data architecture and designing with a vast experience of working with Unity3d, Cocos2dx, Unreal Engine, Microsoft HoloLens, Goggle Tango, ARKit, ARCore. He has developed a lot of games for multiple platforms (Android, iOS, Tizen, Universal Windows, P.S, Xbox, etc). He has delivered the session on Virtual Reality (VR) as well as Augmented Reality & Mixed Reality at 2:00 pm. He has provided the delegates a hands-on experience of VR as well as AR by creating an AR-VR app using Unity. He has also explained the wonderful start-ups associated with Augmented and Virtual Reality. So that delegates can create their own startup’s regarding AR & VR.

Figure 12, 13 & 14: Mr. Vivek Sharma is Delivering Session on Virtualizing Reality
Session on Smart Villages to Smart Nation

Mr. Ankur Borwankar IEEE Liaison Officer, IEEE Smart Village. Mr. Ankur is the Liaison Officer for Strategic Operations under the South Asia Working Group (IEEE Smart Village Community). Ankur is a lawyer by profession, still is ever ready to help and solve the societal problems and helping them being named as Smart. He is currently associated with the work ISV South Asia Working Group. He has delivered his session on **Smart Villages to Smart Nation** at 5:00 pm. He has made our delegates aware about concepts of Smart Villages and creates enthusiasm in delegates for creating villages that will drive to make our nation smart.

Figure 15 & 16: Mr. Ankur Borwankar Delivering Session on Smart Villages to Smart Nation
Closing Ceremony:

After Completion of the Entire symposium, the coordinators of this Symposium were appreciated for his work in Symposium by providing them a memento. Finally, with great joy & pleasure, the event was concluded by having a last beautiful photo of the NSFT’19 TEAM.

Figure 17: Team of National Symposium on Futuristic Technologies 2019
We would like to express Gratitude to all sponsors who have supported the event.

Sponsors of National Symposium on Futuristic Technologies 2019