

**Report on One day National Seminar
on
“Electronics 2020 and Beyond”
(16th July 2016)**

Jointly Organized by

GTU Innovation Sankul V. V. Nagar Zone – I, Electronics and Communication Engineering Department and IEEE Students’ Branch of A.D.Patel Institute of Technology (A CVM Institute), New Vallabh Vidyanagar, Gujarat, India

Electronics and Communication is an engineering discipline which needs immediate attention of the society for the manpower that would be needed in the future. The aim of the program is to create awareness about the state of the art in electronics. An ample opportunity that it would provide for the next generation engineers. The need, scope and opportunity with reference to digital India movement and policy of the state government from 2016-2021 needs to be spread among society and stakeholders like students, faculty, parents, industries and R&D organizations. So as to fulfill the dreams of visionary personality of the nation.

Blessing and Best Wishes: Dr. C.L.Patel Hon’ble Chairman Charutar Vidya Mandal sent his blessing for the success of the program. Dr. Rajul Gajjar, Hon’ble I/C Vice Chancellor sent her best wishes for the program. Dr. S.G.Patel Honorary Secretary sent his best wishes for the program with suggestion to invite school students. Dr. Narottam Sahoo, advisor GUJCOST sent his best wishes for the success of the program.

About Seminar :

About **545** students including **35** school students and 22 Faculties participated in the program. The program started with inaugural function at 10:30 a.m. ended with an expert talk by Dr. J.J.Barve from GE, Bangalore at 4:30 p.m. During the inaugural program Dr. R.K.Jain, Principal , A.D.Patel institute of Technology and Director (Academics) GTU Innovation Sankul V. V.Nagar zone -1 Welcome the dignitaries and delegates for the program and invited experts to visit New V V Nagar as well as GTU. Dr. Hetal Patel, Professor of ECE Department, Counselor- IEEE Students’ branch and chair person of Women’s Development cell narrated about the seminar. Er. Shri, V.M.Patel, Hon. Joint Secretary, CVM blessed the occasion with his presidential remarks and motivated faculty, staff and students who participated in the program. In his short speech he explained the need of the day and requirement of skilled manpower in Electronics by 2020. He also welcome the expert speakers from Industry and R&D organization who spared their valuable time for the benefit of GTU students and faculty and society at large.

Speakers:

- 1) Jwalant Joshipura, Group Head, STMicroelectronics, Noida, New Delhi
Topic: “ Electronics Industry 2020 and beyond”
- 2) Anup Shah ,CEO,,Insignex,Anand
Topic: “ Signal Processing and Internet of Things”
- 3) Dr. Jolly Dhar,SAC ISRO,Ahmedabad
Topic: Space Electronics and Communication”
- 4) Dr. J. J. Barve, GE, Bangalore

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Jwalant Joshipura delivered his talk on Electronics Industry: 2020 and Beyond with excellent presentation. He focused on electronic chips, nanoelectronics as well as molecular electronics as a future for electronics with IoT and CPS to be deployed every where. Anup Shah made excellent video based presentation on electronics for agriculture and farming. He demonstrated IoT for agriculture and farming and invited students to carry out projects on such an emerging area of electronics with help of computer and internet technology. Dr. Jolly Dhar made presentation of space electronics and communication and Dr. Jayesh Barve made presentation on state of the art in electronics for industrial automation. He explained the relation between electronics and automation. Ankit Dave make presentation about IEEE wherein he explained how does it help to become student member of any professional organization in terms of technical knowledge, technical literature, attending program at low registration, visit abroad, participation in worldwide competition, thus benefiting in making career as an Engineer. Dr. Vishvjit Thakar, Professor and Head, ECE Department, A.D.Patel Institute of Technology and GTU Innovation, Sankul Co-chair (Academics) presented vote of thanks for all those who have supported to make program a great success.

Acknowledgements:

GTU, Gujarat Council on Science and Technology (GUJCOST), GTU Innovation Sankul, IEEE Gujarat Section, IEEE AP/MTT Chapter, IEEE SPS Chapter, IEEE IAS/IE/PE Society of the Gujarat Section, IE(I) Vallabh Vidyanar Local Centre, ISTE Chapter A.D.Patel Institute of Technology, All registered delegates, faculty members, speakers, student volunteers, teaching and nonteaching staff and Management of A.D.Patel Insttiute of Technogy, New Vallabh Vidyanagar, Gujarat, India.



One day National Seminar on
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EVENT SCHEDULE



| Time Duration | Program Schedule |
|---------------------|---|
| 9:00 to 10:30 am | Registration and High Tea |
| 10:30 to 11:00 am | Inaugural Function |
| 11:00 to 12:00 noon | Jwalant Joshipura Group Head, ST Microelectronics, Noida, New Delhi |
| 12:00 to 1:00 pm | Anup Shah, C E O, Insignex, Anand |
| 1:00 to 2:00 pm | Lunch Break |
| 2:00 to 3:00 pm | Dr. Jolly Dhar, SAC ISRO,Ahmedabad |
| 3:00 to 4:00 pm | Dr. J. J. Barve, GE, Bangalore |
| 4:00 pm onwards | Certificate Distribution |

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Inaugural Ceremony



Lighting of Lamp by Dignitaries



**Floral Wel Come of Dr. Jayesh Barve By
Er. V.M.Patel Sir**



**Floral Welcome of Jwalant Joshipura
By Dr. R.K.Jain**



**Floral Wel Come of Er. V M Patel Sir By
Dr V K Thakar**



**Welcome Speech by Dr. R.K.Jain
Principal ADIT**

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Er V M Patel giving presidential blessings



Delegates attending the program



Ankit Dave Media coordinatot IEEE Gujarat Section addressing Participants



Some of the School Students



Talk on Electronics 2020 by Dr Jwalant Joshipura



Talk on Internet of Things by Anup Shah

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Talk on “Space Electronics and Communication” Dr. Jolly Dhar



Talk on Electronics in Industrial Automation by Dr J J Barve



Volunteers of the Seminar in T-shirts supported by IEEE SPS Chapter of the Gujarat Section



Jwalant Joshipura Visiting Embedded System Laboratory at ADIT

Innovations:

Anup Shah, one speaker made automated presentation for 15 minutes. Delegates certificates has been given in Digital form. The feedback about the program has been taken online. Digital album has been created for the event. The videography has been done for the program. Digital receipt has been given to delegates for the registration fee.

Report Prepared by:

1. Dr V K Thakar, Professor and Head, ECE Department, A.D.Patel Institute of Technology, New V.V.Nagar and GTU Innovation Sankul Co-Chair (Academcis) V V Nagar zone 1.
2. Prof. ShaileshKhant, Assistant Professor, ECE Department, ADIT