SANCHAR

Electronics and Telecommunication Department Newsletter

2016

Whats inside?

Activities in the past year

Greatest tech in 2016

Tech Bytes

The year gone by in photos

GEC

WORK IS WORSHIP

Activities in the year 2016

January 2016
- The department Organised 1 Week TEQIP II STTP on "Data Networks and Security " in association with Basaveshvar Engineering College from 11th to 15th January. Dr. HassanAli Virani, Dr. Nitesh Guinde, Prof. Devendra Sutar and Prof. Milind Fernandes were instrumental in organising this workshop.
- Prof. Nayana, Amita ,Sonia, Purti, Palhavi, Geeta and Sangam Attended 1 week TEQIP II workshop on Data Networks and Security at GEC, Goa from 11th to 15th January
- Prof Purti, Geeta, Palhavi and Sangam attended 2 week Induction Phase 2 program at DTE, Porvorim from 28th December 2015 to 8th january 2016

February 2016
- The department celebrated IETE Students day on 10th Feb 2016 at the IETE Goa Sub Centre, ETC Department.   Dr. HassanAli Virani and Prof. Sonia Kuwelkar organised the event. The Director (ENGG), AIR & DD, Mumbai , Shri C. K. Omprakash was the chief guest for the function.
- Prof. Sonia, Nayana, Devendra and Geeta organised a workshop on Raspberry pi on 6th and 7th Feb 2016
- Prof Chetan and Milind attended 2 day workshop on EMI/EMC design solutions at DHIO Bangalore on 5th and 6th february

March 2016
- Prof. Sangam, Sonia, Geeta, Purti and Palhavi Organised a workshop on Signal Processing using MATLAB 12th and 13th March 2016
- Prof. Sangam organised one day workshop on "Robotics & wireless technologies" on 19 th March
- Prof Sangam Organised a field trip to All India Radio for 3rd year students.

April 2016
- Spectrum, the college level tech fest, was held from 31st March and 2nd April
- The department organised Reignite, the annual alumni event , on 9th April 2016. Prof Chetan and Prof Sonia were instrumental in organising the event. Special thanks to the 3rd year students for their excellent organisation.

June 2016
- Prof. Nayana & Prof. Sangam worked as Senior Supervisors for Goa University Examinations held in May/ June 2016.

July 2016
- Prof. Nitesh, Devendra and Milind Oragnised BE project competition in the 1st July. We were fortunate to have Prof. M. Pitke, former Professor at TIFR with us for the event.

August 2016
- The department bid adeu to Prof Chetan Desai who proceeded on long leave. We wish him all the best in his endeavors.
- ASSETS Inauguration was held on 19th August 2016
- Prof Sonia and Prof Devendra Organised a workshop on Raspberry pi on 19th and 20th August 2016
- Prof Devendra Organised 2 day workshop on Industrial Automation with Allen Bradley PLC on 4th and 5th August

Activities in the year 2016

September 2016
- Prof Nayana got admitted to PhD programme at GEC under Goa University. Her research work is in the area of signal processing
- Prof Sonia got admitted to PhD programme at GEC under Goa University. Her research work is in the area of electronic communication.
- Prof Purti and Sangam Organised a workshop on Core Java on 2nd and 3rd Sept 2016
- Prof Purti, Sangam and Geeta Organised a workshop on Core Java on 24th and 25th September
- Prof Purti, Sangam and Geeta Organised workshop on Basics of Engineering Maths and applications on 25th September
- Prof. Devendra Organised 1 day workshop on Networking with CISCO devices on 30th September 2016
- Prof. Palhavi attended One week ISTE STTP for Coordinators on CMOS, Mixed Signal and Radio Frequency VLSI Design conducted by IIT-Kharagpur from 19th to 23rd September

October 2016
- Prof Purti, Geeta and Palhavi Organised 1 day workshop on PCB design on 1st Oct
- Prof Purti, Sangam and Geeta Attended a workshop on Energy options for sustainable future at DTE, Porvorim from 17th to 21st October
- Prof Sangam Attended 1 day Faculty development program by Indian Business School on 22nd October
- Prof Sangam Organised a workshop on Applied engineering maths on 23rd October
- Prof Amita and Prof Devendra Organised a workshop on Graphical Processing with LabView on 26th Oct 2016. Prof. Ajit Salunkhe was the resource person.
- Prof. Sonia Attended 3 day workshop on RTOS, embedded systems and Cadence at BVB Hubli.

November 2016
- Prof Nayana along with Sanjana Prabhudesai and Dr E. Chandrasekhar (IITB) Published a journal paper on Multifractal detrended fluctuation analysis of ionospheric total electron content data during solar minimum and maximum, in journal of atmospheric and solar terrestrial physics.
- IETE foundation day was celebrated on 9th November
- Prof. Sangam & Prof. Palhavi attended workshop on NBA accreditation at NITTR Goa from 7th to 11th November
- Prof Devendra, Geeta and Purti Organised a field visit to solid waste management facility at Saligao on 10th November
- Prof. Sangam Organised workshop on Engineering Mathematics and applications on 6th November. The workshop was conducted by Mr. Gajanan Parab
- Prof. Amita and Prof. Sonia Attended TEQIP workshop on Industrial Automation and Virtual Instrumentation at Don Bosco College of Engineering from 7th to 11th November
- Prof Milind attended 1 week 2nd SERB school on Robotics at IIT Madras from 14th to 19th November

December 2016
- Prof Nayana was promoted to the post of Associate Professor.
- Prof Purti Attended a workshop on E-Waste Management on 13th and 14th December at Panaji
- Prof. Devendra Entered wedlock on 14th December 2016
- Prof Milind Attended 2 day workshop on e-yantra lab setup at IIT Mumbai on 9th and 10th December

Activities in the year 2016

Lab Development activities in 2016
- Prof Palhavi Procured following items for [?] lab
  - 700TVL FPV camera
  - 2 Power servo motors
  - DPC 10 Programmer
  - 5.8GHz Video transmitter
- Prof Devendra Procured a water purifier for the department and projector for BE classroom
- Prof Devendra procured Siemens PLC with image processing facility worth 1Lakh Rupees
- Prof Devendra procured a Delta PLC with sensors worth 15 thousand rupees
- Prof Nitesh Procured 1 Zed Board with ZYNQ SoC (Xilinx ZC7030 FPGA with 40000 gate count) which can be used for research in video processing, networking and high performance computing
- Prof Nitesh procured FM10MM daughter board having Analog Devices AD9361 RF frontend which can be configured with Zed board as Software defined radio worth 54,000
- Prof Milind procured Mobile Robotics lab equipment worth Rs. 1Lakh

Know your faculty

- Prof Samata Basole - She completed her BE ETC from KU Belgaum in year 2001 and ME in Digital Electronics and Communication systems from VTU in the year 2014. She has total teaching experience of 8 and 1/2 years

- Prof Yeshudas Muttu - He Completed his BE from RIET, Goa in the year 2013 and ME in ECI from GEC in the year 2015. He has 1 year of teaching experience.
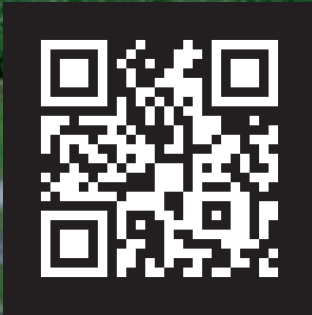
Greatest tech in 2016

Amazon Prime Air's First Customer Delivery

ACTUAL FLIGHT FOOTAGE
NOT SIMULATED

10) The first 1TB SD card

9) First Amazon package delivered by drone
   To watch the video scan this QR code

8) Hyperloop one begins actual high speed test

7) Carbon nanotube transistors outperform silicon for the first time

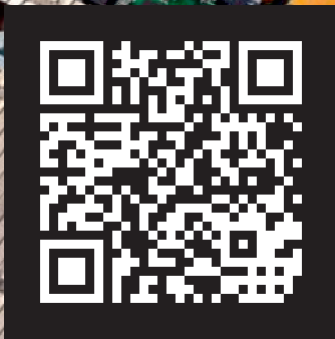6) Tesla opens Gigafactory 1

Greatest tech in 2016

5) SpaceX landed a rocket vertically in the ocean

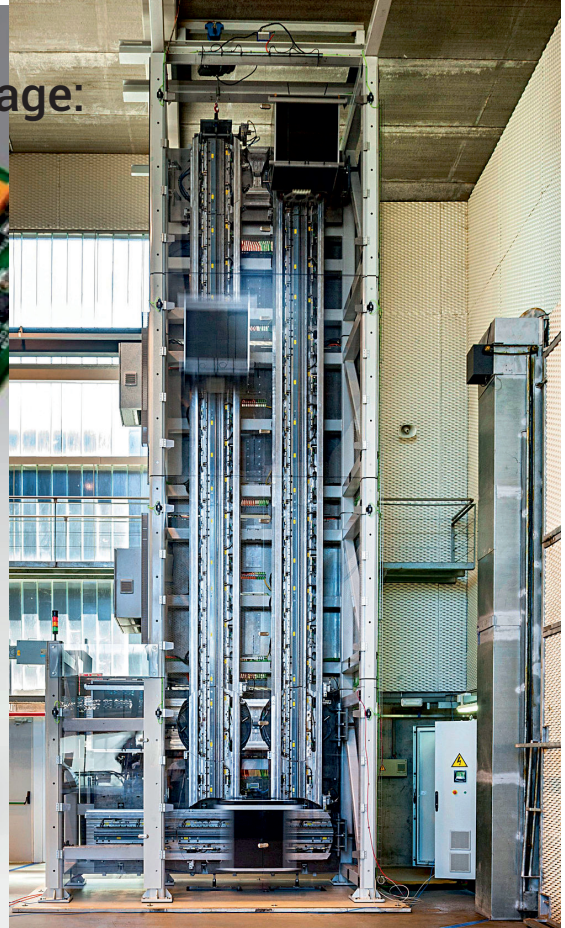4) Microsoft Skype Translator, The End of the Language Barrier

3) ThyssenKrupp MULTI Elevator: Elevators That Go in Any Direction

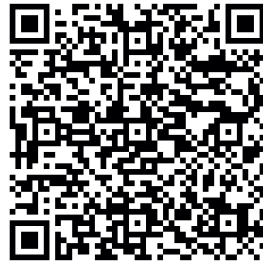2) Microsoft and Univ. of Washington DNA Storage:
The Densest Data

1) Google's Tensor Processing Unit Pushes
Machine Learning, Beats Go Champion

Tech Bytes

Making Golf Clubs, Tennis Rackets, and Baseball Bats Smarter

A Prosthetic Hand That Can Feel

Can We Trust Robots?

Full-Duplex Chip Will Create a Wireless Bandwidth Bonanza

Lights for the Enlightened: An Engineering Trek in the Himalayas

Inside the Development of Light, the Tiny Digital Camera That Outperforms DSLRs

Year in Photos

IETE Students day celebrations

ReIgnite 2k16

Year in Photos

ASSETS Council Inauguration

BE Project Exhibition

Year in Photos

Raspberry pi Workshop

Spectrum 2016

PCB Making Workshop

Year in Photos

Industrial Automation with Allen-Bradley PLC

Workshop on Core Java

Workshop on Signal Processing using Matlab

Swacch Campus Abhiyan