



From Principal's Desk

It is indeed overwhelming to come up with the first issue of our E-Newsletter, *BITS Trend*, a medium to tell the world how our faculty, students and stakeholders are associated to contribute to the holistic and quality education in engineering. This edition of the E-Newsletter reports awards and laurels reaped by our institution and the significant curricular and co-curricular activities carried out by students and faculty in the areas of teaching and learning, research and development and Industry Interaction. It also offers glimpses of successful conduction of Aahvan-2018, placements, Sports week, 100 point activities, project fair, students' visit to Carleton University, Canada and many more...

As we are on the verge of the completion of academic year 2017-18, I would like to assert that we need to continue adding new benchmark to our progress every year in order to maintain the prestige we have achieved as one of the best engineering institutions in Gujarat. And I truly believe together we can create glory as "Team work makes the Dream Work."

We promise our readers to bring interesting news and updates at the end of each semester.

Best Wishes,
 Dr. Pallavi Agarwal
 Principal, BIT

Congratulations!



Babariya Ronak Vasantbhai, final year student from EE dept. has received the gold medal for his excellent performance in academics.



Patel Shweta Pankaj, final year student from EC dept. has received the Dewang Mehta IT award from GTU.



Shah Neil, Shah Abhishek, Rawal Dhairya, Shah Yash, Rakesh Surti, Urmil Thakkar and Parth Dahiwalkar secured 1st position in the "Manufacturing Today: Reinventing the Future-2018", (Western India Region) held at Taj Gateway, Vadodara, Gujarat.

WE WERE ENLIGHTENED BY THE PRESENCE OF

Mr. Bhargav Thakrar from Beyond Theory Pvt. Ltd, Rajkot had conducted two days workshop on "IC Engine Components Assembly & Disassembly" for 6th and 8th sem. Mechanical engineering students on 10th and 11th March, 2018.

Prof. Ritesh Patel, Ph. D from IIT Kanpur and recently working as a professor in EE dept. GCET, V.V.Nagar delivered an expert lecture on "Essence of High voltage Engineering in Power Sector" to 6th sem. Electrical engineering students on 9th February, 2018.

BEYOND CURRICULUM

Mir Soheb Ali and Gupta Dipanshi, 2th sem. students from EC dept. secured 2nd position in the event 'Electro Beats', Electrobeats-Prakarsh held at SVIT, Vasad.



Patel Dhara and Patel Tanha, students from EE dept. secured 2nd position in the event 'Line Follower' held at Babaria Institute of Technology on 16th February, 2018.

GTU Zone-3 techfest Aahvan-2018 was hosted at BITS Edu Campus on 16th and 17th February, 2018. Approximately 3000 students from 72 colleges had participated in various tech and non-tech Events. Another attraction of the event was cultural and musical program to entertain the students.



FACULTY ACTIVITIES

Paper presented/published:

Prof. R.K.Yadav from EE dept. presented and published paper on '**Recent Challenges and Opportunities of Electrical Generation and Distribution in Rural Area of India**' on 1st March, 2018, (ICCTCT) Coimbatore, India (ISBN: 978-1-5386-3700-5).

Prof. R.K.Yadav, Dr. Samir H Patel and Dr. Dattesh Y. Joshi from EE dept. presented and published paper on '**Power Loss Decomposition Technique in Deregulated Electrical Market for Effective Power System Operation**' 1st & 3rd March, 2018, (ICCTCT) Coimbatore, India (ISBN: 978-1-5386-3702-9 DVD ISBN: 978-1-5386-3700-5).

Dr. Santosh G. Shah, Siddharth G. Shah and Quasimali Barodawala from Civil dept. presented paper on '**Modifying the Strength and Durability of Self compacting concrete using Carbon Nanotubes**', in International Conference on "Advances in Construction Materials and Structures", March 2018, IIT Roorkee.

Dr. Hetal M. Pathak from EC dept. published paper on '**A Review on Four Degrees of Freedom Wireless Robotic Arm Based on LabVIEW Software**' in International Journal of Computer Applications, March 2018, (ISSN: 0975-8887, Volume 180-No.29 973-93-80898-40-0)

Mandar M. Sumant from ME dept. published paper on '**Design and Fabrication of Maize Shelling Machine**' in Journal of Material Science and Mechanical Engineering, May 2018 (ISSN: 2393-9095; e-ISSN: 2393-9109).

Dr. Jaymin Bhalani from EC dept. published paper on '**Improved VBLAST MAP: A novel point-to-point symbol detection algorithm for MIMO wireless communication systems**' in Radio electronics and Communications Systems, May 2018, Springer, 61, no. 5 (194-199 ISSN: 0735-2727).

SEMINAR/WORKSHOP ATTENDED

Prof. R. K. Yadav, Saifee K. Kanjetawala and Dr. Heli Amit Shah from EE dept. attended Seminar on '**All India Seminar on Recent Trends in Renewable Energy Application & Research**', 16th&17th February, 2018, VGEC, Chandkheda, Ahmedabad.

Mayuri M. Wala, Komal K. Dave Finhasali H Chinwala and Vipul J. Kalyani attended Two Day National Seminar on '**Dam safety and Rehabilitation**', 20th & 21st January, 2018, organized by Indian Geotechnical Society, Baroda Chapter & The Institution of Engineers, Vadodara Local Chapter.

Dr. Heli Amit Shah and Dr. Pritesh Mankad from EE dept. attended day two workshop on '**E-yantra Robotics and Embedded Systems**', 19th & 20th January, 2018, conducted by Indian Institute of Technology, Mumbai.

Sunny Rach from ME dept. attended two day workshop on '**IC Engine Components Assembly & Disassembly**', 10th & 11th March, 2018, Bits edu campus, Varnama, Vadodara.

Prof. Swapnil M. Parikh from CSE dept. attended FDP on '**Project Management**', 4th & 8th June, 2018 at Rishabh Software, Vadodara.

More than 35 Members of faculty from EC and EE dept. attended FDP on '**Internet of Things**', 25th March, 2018, BITS Edu Campus, Varnama, Vadodara.

EXPERT TALKS

Dr. Santosh G. Shah from Civil Dept. delivered expert talk on '**Application of Nanotechnology in Engineering: Current Scenario & Future Scopes**', 10th March, 2018 at Parul University, Vadodara.

Dr. Pritesh Mankad from EE dept. delivered expert talk on '**Latest Trends in Power Electronics and Electrical Drives**', 18th May, 2018 at The Institution of Engineers, Opp. GERI, Race Course, Vadodara.

Dr. Pritesh Mankad from EE dept. delivered expert lecture in 2nd International Conference On **Current Research Trends in Engineering & Technology (SIEICON-2018)**, 9th April, 2018 at Sigma Institute of Engineering, Vadodara.

Dr. Hina Dobariya from S&H dept. conducted FDP on '**LSRW: Life and Blood to Master English**' on 4th February, 2018 in D. H. Kabariya Arts College, Amreli.

CERTIFICATION



Jincy Raju from EC Dept. has successfully completed the certificate course on '**Principles of Communication Systems-I**' from NPTEL-IIT-Kanpur, April 2018.

INSTITUTE INDUSTRY INTERACTION



To create opportunity for practical exposure and to strengthen the bond with the industry, our institute timely arranges industrial visits for the students. This Semester, our students visited following industries:

- Indo Gernan Tool Room, Ahmedabad.
- Rajputana Stainless Ltd, Ahmedabad.
- Wanakbori Thermal Power Plant.
- Bisag, Gandhinagar.
- Fineline circuits, Vadodara
- Science City, Ahmedabad
- iCreate, Ahmedabad
- BSNL, Ahmedabad
- BISAG, Gandhinagar
- CDAC, Pune
- GIFT SEZ, Gandhinagar
- Railway Staff College, Vadodara
- Deep RMC, Ahmedabad.
- Darshnam Highview, Vadodara.
- Ishan Ready Mix Concrete, Vadodara.
- Eco Green Products Pvt. Ltd. Gandhinagar.
- Ishan RMC Plant, Vadodara.
- Agora City Center, Vadodara.





PLACEMENTS

Approximately 110 students got selected from all five branches in IN and OFF campus interviews with good packages.



RECENT MOUs

Standard Casting, GIDC, Waghodia, Vadodara.



GLOBAL CONNECTION



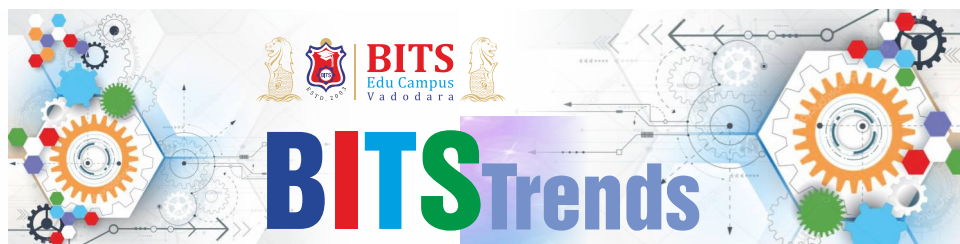
With the view to extend the horizon of knowledge and to prepare students to represent themselves at global level, Babaria Institute of technology shares strong academic bond with Carlton University, Canada. This semester, 31 students from CSE branch had short summer program cum enrichment course from 19th June 2018 to 25th July 2018 in Carlton University.



Life @BITS Top Stories



Life @BITS is vibrant as there are many top stories to share with the readers. The institute had successfully celebrated the Republic Day, Sports Week, 100 points activity celebration and Project fair making the campus life full of fun and learning.



**Editorial
Board**

Prof. Ravi Patel, Prof. Subhasis Sarkar, Prof. Apoorva Shah,
Prof. Jincy Chako, Dr. Hina Dobariya & Prof. Punit Sompura