

G H PATEL COLLEGE OF ENGINEERING & TECHNOLOGY
IEEE STUDENT BRANCH

Students' Technical Awareness Conference, 2018

Date: 18th – 19th September, 2018

Venue: G H Patel College of Engineering & Technology, Vallabh Vidyanagar



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About the Event:

Students' Technical Awareness Conference is a platform for all individuals to dive into the in-depth culture of proficiency through the means of conferences, seminars and direct communication with some of the best professionals in the field of Engineering and Technology.

GCET SB, has been organizing STAC annually since 2012 with over 350 participants every year and has won the Darrel Chong Student Activity Award (Silver Level) for STAC'15. It is a great deal of pride and pleasure for us and we are highly elated by our achievement. This award is the result of our continuous and consistent progress and sheer determination in improving the quality of students' activities and fostering of knowledge sharing.

With a vision to create opportunities for young enthusiasts to explore and discover the professional outlook of their aspiring future endeavours, GCET SB organized STAC'16 on 17th & 18th of September, 2016. It's a festival of knowledge, skill enhancement & every other synonym of enthusiasm and devour.

STAC'18:

The Students Technical Awareness Conference was a national level conference held under IEEE GCET SB. It was a foregathering of hundreds of students from colleges all over Gujarat in the span of 2 days. STAC was a convention where eminent personalities, dynamic speakers and achievers from various prospects gather to fabricate a platform that motivates each to captivate magnificence.

With a display of motivating orations, state of the bleeding edge technology, STAC for the past 4 years has served to shape and innovate high quality ideas in prospective minds of students and aimed at providing a platform to ideate, communicate and revolutionise.

STAC'18 provided a platform for one and all to witness one of the most exquisite and ground-breaking amalgamations of communication and technology with pure contentment and enthusiasm. It fulfilled the aim of breaking the monotony and intriguing one's intellect beyond classroom.

Theme:

The theme for the conference is "Embedding Excellence". The attendees will be briefed on current technical advancements around the world. STAC aims to bring all the students under one roof to grow technically and get empowered. The main agenda of the conference is to create exceptional opportunities for the attendees to improve their technical and networking skills.

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Technical Decoration:

Arduino based giant seven segment display

The idea of the project came from the basic seven segment display. The project was divided into two parts, software and hardware. The software part was all about coding in Arduino whereas the hardware was about assembling the servomotors with the sunmica on cardboard. We used 37 servomotors. The coding was done in such a way that all the servomotors would rotate at 90 degree and back to 0 degree to display STAC'18.



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Guest of honour for the Event: Dr. Anil Roy



Inaugural :

It was an alluring morning of September 18th, 2018. Dr. Anil Roy, shared his few words of wisdom. He believed that classroom education is not enough but interpersonal skills are needed and added that this is the only time for right innovation so one should study well, take part in activities and make oneself strong by growing in such a way. This was followed by Dr. Hardik Pathak, Branch Counsellor-IEEE GCET SB talking about the student branch and its achievements. Mr. Dhruv Fumtiwala, Chairperson- IEEE GCET SB gave his speech on leadership and briefed on getting ideas into actions.

DAY 1

Speaker 1: Dr. Anil Roy

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About the speaker:

Dr. Anil Roy sir is currently working as an associate professor at the department of physics at DAIICT, Gandhinagar. Sir completed his graduation as well as masters from the prestigious Indian Institute of Technology and has done his Ph.D. research in quantum optics. Along with this he is also a member at Large IEEE sensor and is serving as the treasurer at IEEE India Council.

His Talk:

The main topic of his discussion was advancements in the field of Quantum optics. Sir talked on automation, innovation, technologies, discoveries and all problem-solving activities. According to him "Anything that is new, useful and surprising is innovation". Sir briefed the delegates on various topics such as Disruptive Technologies, Quantum Dot TV and Artificial General Intelligence. He provided an overview of one the best achievements of technology, Robert Sofia. He also covered topics such as Fleet Management, Telematics, Intelligent transit and Infotainment. Sir preached the belief that there are no failures but only a scope for improvement.

Speaker 2: Kavan Antani

About the speaker:

Mr. Kavan Antani is the founder of India's largest creative network IndieFolio. He made his way from Visual Violet Creative Solutions, creating animations and logos for companies like Eureka Forbes and Go Cheese, to his own firm IndieFolio. With the mission to organise and strengthen the Indian creative community, IndieFolio works with multiple brands to help them hire the right designer.

His Talk:

Mr. Kavan Antani being a start-up guy, his talk was based on enhancements and scope in the field of entrepreneurship. Initially he shared his story of he emerged as one of the youngest, successful entrepreneurs of his time, his journey from a college dropout through Banana Bandy to Indiefolio. He proclaimed the five basic principles to a successful start-up:

Idea, Product, Team, Execution and Learning.

He believes that the "core idea is important but execution of ideas is what matters the most."

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Speaker 3:

About the speaker:

Mr. Ravi Shankar Ramalingaiah is the co-founder and CEO of NumberNagar. He has an MTech in Computer Engineering, from Mysuru University and has headed Wipro's first largest 500-million-dollar project post which he dived into the education space and founded Number Nagar. NumberNagar is an Innovation in Experiential learning for children of ages 6 to 14, with the objective of making learning contextual, engaging and enjoyable. His project has been awarded with "Commonwealth First Export Champion" at the UK, Top 25 start-up finalist at World Start-up Expo at Bengaluru and many more. Sir, has been honoured with a number of awards across his career like the best people's manager award, six sigma black belt certification from Mr Azim Premji to name a few.

His Talk:

Sir acquainted the delegates regarding his project NumberNagar, its benefits and how it proved to be an innovation in the field of education. According to him, "Everyone is creative; it all depends on the surroundings". He discussed various aspects of creativity that can lead to improvement of the current education system. His Customer and Business acumen has been accumulated over continuous exposure to Western and Eastern worlds.

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He shared his belief on how NumberNagar movement is capable of transforming the learning approach in India. He preached the vision that “Education is the most powerful weapon which one can use to change the world.”



Networking Event:

The participants were divided into teams of 10 members each. Each team was provided with a topic such as Future world-2050 and Section 377. The participants had to create an innovative video on their respective topics. The participants were first asked to engage in discussion about their topic and how it is influencing the world and society around them. Then they had to make a video based on the discussion. The main aim of this networking activity was to create an interactive session that would help the participants enhance their creativity and communication skills.

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Valedictory:

The second day of the STAC'18 was coming to an end and it was a dynamic volley of lectures and talks from professional erudite, endless networking opportunities and innumerable moments of assimilating knowledge and skills. The participants were exposed to an unmatched experience of a lifetime.

A good event comes into being when separate individuals work together to create an essence of a higher entity called team. The team which is better than any of those single individuals. This great event had a bunch of extremely dedicated volunteers who selflessly gave their time and talents into creating it a huge success.

Dhruv Fumtiwala – Chairperson, IEEE GCET SB then delivered the Vote of Thanks concluding the event.

Speaker 4: Pratik Chudasama

About the speaker:

Pratik Chudasama was an engineering student who one day realised that life is too short to worry about what might happen, so he decided to live in the moment and follow his heart.

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In His drop out phase he acquired his skills in digital marketing and started his own youtube channel popularly known as “digitalpratikuniversity”. Digital Pratik University is a one stop solution if you want to learn & apply digital marketing strategies with step-by-step video course and that too absolutely for free. He has also worked as product manager at digiperform and digital marketing trainer of Delhi School of Internet Marketing.

His Talk:

He is someone who believes that: “Knowledge is Important but Application of that Knowledge is WAY MORE IMPORTANT”. He has a tagline Learn, Apply & Share which he calls the LAS Formula. His talk was mainly focused around this. He started this talk with his journey from 3 college drop outs to digital Pratik, all the ups and downs and adversities he faced. He then went on with explaining the digital Pratik university, how to make the most of it. He summed up with a question answer session.



Speaker 5: Sai Krishna VK

About the speaker:

Mr Sai Krishna V K founder of Scapic, a platform for building virtual and augmented reality content. Aeriem an Ed-Tech initiative taken to digitalize Indian classrooms also got support of Sai Krishna sir. Sir has worked as technology consultant in Ace Creative learning Pvt ltd

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and contributed in development of AceTab. He is also a founding member of an AI assistant company Supertext. He has expertise in cloud computing, real time embedded systems, electronic circuits, android fundamentals and gamification.

His Talk:

Sir mainly focused on the history and future of computing. He started the seminar with a basic interactive activity where he asked all the changes we would like to see in our current technologies. He then went on with the history of computing, how it evolved, the pattern it followed. From punch cards to special computing, he briefly covered all the prevailing and non-prevailing technologies that changed the way we compute. With a very interesting question and answer session, he concluded the workshop.



Speaker 6: Major Vandana Sharma

About the speaker:

Ma'am is an ex-army officer who has served the Indian Army for 10 years retiring as a major. Post this her desire to explore the world of business led her to studying in the Indian Institute of Management Lucknow. Today, She is the founder of StartupPeopleConsulting and has also worked with several companies such as Myntra, Wipro, TNT etc.

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Major Vandana Sharma was also the head of Partner Operations at Teamlease IIT. She has been honoured with Woman icon Asia Pacific award in 2017. She has also got 6 publications including TEDx talk Risk to Rise, TEDx talk 'Follow your calling', Ladakh : The abode of Gods, Thoughtful Thursdays and many more.

His Talk:

Her seminar was mainly focused on her journey throughout the years, right from her recruitment in army to current startup consultancy service. She emphasized on her part of the life where she was the only woman stationed at kargil during war. She shared her experience of the drastic change she felt when she left army and joined the entrepreneurial world. Her life journey includes war, startups, jobs awards and many more. This was what made the workshop one of its kind. She summed up her session with a Q&A session.



Speaker 7: Rahul Sharma

About the speaker:

Mr Rahul Sharma is the Senior Research Officer IT at Indian Space Research Organization. He is also the Senior Research Officer at BeeHyv Software Solutions Private Limited and the Senior Consultant at Bill and Melinda Gates Foundation. He has worked as a Senior GIS Consultant and Team Lead at MSRCOSMOS LLC and a Senior GIS Consultant at Microsoft. He

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has more than 8 Years of work experience on GIS Software Web Development ESRI Products, ArcGIS Desktop, ArcGIS Server, ArcSDE and Open Source GIS Platform. He is expertise in variant fields like Oracle Database Administration, Monitoring of data centre, Linux, Windows 2008 R2 and Virtualization server. His accomplishments seems no end. Sir even has working experience on PHP, EXTJS, HTML5, DHTML, XML, CSS7, on Open source GIS Package including Openlayer, Geoserver and POSTGIS. He has an exceptional troubleshooting and analytical skill in SQL, Spatial Analytics and Java Scripting .

His Talk:

His seminar was mainly focused on entrepreneurship and start up techniques. His session was very informative as it had everything one can need to establish a successful start up. He provided us with information of various domains where start-ups are needed. He then gave example of various successful and established start-ups in various domains, why they were successful, and which factors mattered. He went on with the session and provided us with various government schemes and private ventures that support start-ups. He concluded the seminar with question and answer session.

