Report-Kshitij -16

SCET organizes a National Level Technical Festival annually to provide a platform to foster and ignite the innovative minds. It was initiated in 2001 with an aim to transform the society which will focus on innovation & technical skill development; thereby making world a better place to live in. KSHITIJ 2016 will be yet another milestone in the legacy which was incensed 15 years ago. Every year we get around 1500+ Entries and 5000+ Visitors and this year also the number of total participation has crossed the count of 3300!!!

Dìpíngxiàn(in Chinese), horizonte(in Spanish), Horizon(in English), Kshitij(in Hindi) and أفق المرء العقلي ('ufuq almar' al eqli) (in Arabic) in the five most widely spoken languages in the world, meaning

The line at the farthest place that you can see, where the sky seems to touch the land or sea(Cambridge Dictionary) or the range of interest or activity that can be anticipated..

But, in the context of Sarvajanik College of Engineering & Technology, popularly known as SCET among the students of Gujarat, Kshitij means Anant Gyan ki Talaash Mein…

People may have knowledge but only few know how & when to use it…

In today's technological era, rapid development & progress, introduction of new technology and innovation is imperative.

Kshitij is one such platform for students for showcasing their innovative ideas, technical and creative skills…Kshitij 2016 a national level technofestival is an event specially designed for the students of SCET to exhibit their talent.

Surge and plunge both should be avoided in any activity irrespective of system, whether it's learning, earning, evolving or resolving…Smooth transition leads to definite success and that's why there is a wise saying of "slow and steadily any race in any sphere of life can finally be conquered…"

The Kshitij is elegantly sandwiched between pre and post Kshitij events. Kshitij2k16 commenced with pre-kshitij events with expert talks and workshops. The very first arranged was a guest lecture on "industrial automation using field instruments, PLC and SCADA"; second on Electrical Safety and conservation of Energy; a workshop on Big Data and Hadoop and others. Similary, one of the post events is a workshop on "digital marketing" was arranged on 4th April. During these two days of Kshitij, it blossomed in its full swing with almost 5-to-6 events from every departments and technical events were kept at focal point with a few non-technical and entertainment events… Kshitij has been known for its three key events; Aavishkar, Abhivyati and Robotics…This year, in order to incúlcate the culture and motívate entreprenuerial attitude among the students, we had introduced an event popularly known as idea-pitching in tech-sectors around the world.

Ideas demand change. By definition, the application of an idea means that something different will take place in the universe. Even if your idea is undeniably and wonderfully brilliant, it will force someone, somewhere to change how they do something. According to Sott Berkun, the author of popular books on creativity, leadership, philosophy and speaking; "coming up with good ideas is hard enough, but convincing others to do something with them is even harder. In many fields the task of bringing an idea to someone with the power to do something with it is called a pitch." We had attempted to grab an attention and executed on different scale.

SCET has been one of the first institutes in SURAT to introduce the concept of Robotics to engineering students. We have a proud history of organizing one of the most popular of Robo Events in South Gujarat.

Robotics- is an event that catches the most attraction and was comprised of mainly four sub-events like Robowar wherein, a participant built a robot to fight the opponent robot; in Robo-sports, a participant drives blind robo and thenafter grabs and places the ball at appropriate place; line follower as name itself says everything about it- a robo has to follow its intended track; and there will be a race of four robos…

Aavishkar means 'To invent'- a model presentation…a team of participants exhibits their working or non-working model if realization could be challenge or impossible, with suitable aiding tools like block diagrams, schematics, poster and others; or it could be an application on either windows or android platform. This sometimes acts as precursor and catalyses their traits to be a designer, a developer or researcher.

Abhivyakti- means 'To Express'. This event provides platform to make students at par with those having excellent communication skill to convey their massage and showcase their technical skills which in turn helps them build confidence to sustain in today's highly competitive employment scenario…

All the aforesaid events are open for all students regardless of their disciplines.
Besides these, each department had organized their own other technical events, like

- Quiz, puzzle and cross-words in *Chem-o-blaze*, chemical reaction in *Chemo concours*, and *The amazing Race Revitalized* in Chemical Engg;
- *Civil Labcom*-a Quiz, Environment awareness based poster and logo designing completion, Case-study presentation and ideas to make Surat-A Smart City in *Smart City* and *Rachana* in Civil Engg.;
- Logo designing in Adobe Photoshop, Quiz, *Relay Coding* where a fellow team mate has to decode the hint or clue given by first one, *Zodiac*- a logical puzzle in Computer Engg.
- *Electro-Roadish*- making an electrical circuit from its subcircuits, *Aparoksha*-conceptualization to designing of electrical wiring in a given facility in Electrical Engg.
- Using lazer, a team needs to cover a path from source to destination and guess a pattern from clue given in *Lazer Maze*-another most popular event which indeed tests the level of imagination; from given logos and pictures, a participant has to identify the name of company by Googling which exhibits their skill to satisfy their curiosity by collecting relevant and accurate information what they are in search for in *Google Search*, a quiz based on one of powerful languages like C & widely used technical analysis tool MATLAB in *C & MATLAB quiz*, *Tech-Quilla* lets the mastermind inside you bring out your designing and implementing capabilities in Electronics and Communication Engg.
- Tests programming skill in *Code Hunt*, designing of an attractive home page and few more based on theme given in *Winsome Web*, and a mathematics quiz in *Mathletics* in Information Technlogy Engg.
- Technical games like *bomb squad* and *circuit soccer*, *Tricky world* and designing of small boat using electric motor in *Water Maze* in Instrumentation and Control Engg.
- Fixing of Bugs in *Bugs Buddy*, *Mind Spark*, and *News paper front page designing* as like they were in media industry in Masters in Computer Application
- Make a design using canvas and thread given in *T-Magic*, *G-16 Extempore* in Textile Engg.

- Make a garment for new born baby using sample fabric, needle in *Fashionet*, make any useful or decorative item from Jute in *Jutevally, Texauxi* and *TexQ* in Textile processing Engineering.
- Few more FUN and Entertaining events are also organized to relax participants from their extensive and exhaustive efforts put in to make Kshitij a grand event....

In order to collect any further information and details regarding events, rules and schedule, a team was behind designing and maintaining of our official mobile compatible website www.scetkhsitij.in" led by Urvin and his team and to keep pace with today's trend and demand, an android based App has also been launched and can be downloaded from play store named as ***Kshitij2k16*** which is designed by Denish and team and every details of event was available on fingertips…

Department/total participation	Chemical Engineering	283
Faculty Coordinator:	Prof. Vaishali Umarigar	
Student Coordinator:	Viraj Shah	
Events/Faculty convener/Entries		
Aavishkar	Prof.Rashmita Patel	29
Abhivyakti	Prof.Anshul Sharma	14
Abhisaar-Quiz	Prof.Sayali Jawle	56
Chem-O-Conquer- Quiz based Chemical Reactions	Prof.Mazhar Multani	78
Amazing race – Revitalized: Tests creativity skills	Prof.Dimple Master	32
Chem – O – Blaze: Skit and audio-visual based questions	Prof.Jigna Patel	74
Department/total participation	Civil Engineering	225
Faculty Coordinator:	Prof. Amita Upadhyay	
Student Coordinator:	Harshal Bodiwala	

Events/Faculty convener/Entries		
Aavishkar	Prof. Mitali Shah	8
Abhivyakti	Prof. Payal Zaveri	12
Smart City	Prof. Zarna Gandhi	34
Labcom	Prof. Palak Shah	56
Prakruti	Prof. Swati Parekh	50
Rachna	Prof. Sapan Parekh	65
Department/total participation	**Computer Engineering**	**335**
Faculty Coordinator:	Prof. Rakesh Patel	
Student Coordinator:	Yash Shah	
Events/Faculty convener/Entries		
Aavishkar	Prof. Purvi Rekh	10 Teams
Abhivyakti	Prof. Disha Chavda	18
Quiz	Prof.Mahesh Bagreja	103
Zodiac- A Puzzle	Prof. Jayesh Choudhary	86
Logo-Design: design innovative and relevant logo for particular industry using photoshop.	Prof. Pratik Sailor	21
Relay Coding	Prof. Mehul Khatiwala	38 Teams
Department/total participation	**Electrical Engineering**	**325**
Faculty Coordinator:	Dr. Hardik P. Desai	
Student Coordinator:	Akshar Kalathiya	

Events/Faculty convener/Entries		
Aavishkar	Prof. Hitesh Mehta	10 Teams
Abhivyakti	Prof. Hardik Pandya	11 Teams
Abhsaar-Live Quiz	Prof. Dimple Bhanabagwanwala	84
Model Extempore – Quiz	Prof. Niki Patel	33 Teams
Aproksha –	Prof. Sameer Roker Prof. Arvind Bhakta	28 Teams
Electro-Roadies	Prof. Kalpesh Patil	25 Teams
Department/total participation	**Electronics and Communication Engineering**	**640**
Faculty Coordinator:	Dr. Pranav Lapsiwala	
Student Coordinator:	Manan Shukla	
Events/Faculty convener/Entries		
Aavishkar	Prof. Sarosh Dastoor / Prof. Ketki Pathak	43
Abhivyakti	Prof. Vandana Shah / Prof. Ketki Pathak	36
Lazer-Maze	Prof. Sarosh Dastoor	340
Google Search: a participant has to identify the name of company by Googling	Mr. Mrugesh Patel / Mr. Ankur Patel	158
C & MATLAB quiz	Prof. Chhaya Suratwala / Mr. Bhaumik Vaidya	17
Tech-Quilla:		44
Department/total	**Instrumentation & Control**	190

participation		
Faculty Coordinator:	Prof. Nandkishor Joshi	
Student Coordinator:	Dular Maniyar	
Events/Faculty convener/Entries		
Aavishkar	Prof. Mohan Patel	18 teams
Abhivyakti	Prof. Jayana Rana	9
Wate Maze	Prof. Tejal Dave	13
Tricky World- An IQ test	Prof. Zeenal Lalluwadia	34
Circuit Soccer	Prof .Brijesh Naik	15
Who Will Be The Genius	Prof. Nidhi Bhatia	62
Bomb-Squad-An Android Game	Prof. Pankti Desai	19
Department/total participation	**Information Technology**	**411**
Faculty Coordinator:	Prof. Bhumika Patel Prof. Hiral Trivedi	
Student Coordinator:	Yash parekh	
Events/Faculty convener/Entries		
Aavishkar	Prof. Mukesh Patel;	05
Abhivyakti	Prof. Apurva Mandalaywala	12
Riddlers of the Roof	Prof. Karishma Desai	45
Code Hunt	Prof. Jigisha Parekh	84
Mathletics	Prof. Dhanalakshmi Manickraj, Prof. Jigisha Pandya	135
Winsome Web	Prof. Tushar Gohil	24
Photo Hunt	Prof. Karishma Desai	85

Sketching	Prof. Karishma Desai	20
Department/total participation	**Textile Processing**	**125**
Faculty Coordinator:	Prof. Shweta Doctor	
Student Coordinator:	Surati Dharmishth	
Events/Faculty convener/Entries		
Aavishkar	Prof. Shweta Doctor	10
Abhivyakti	Prof. Shweta Doctor	9
Fashionet	Prof. Shweta Doctor	41
Jutevally	Prof. Shweta Doctor	40
Texauxi	Prof. Shweta Doctor	7
TexQ	Prof. Shweta Doctor	20
Department/total participation	**Textile Technology**	**80**
Faculty Coordinator:	Prof.Hiren Amin	
Student Coordinator:	Bhumik Kodinaria	
Events/Faculty convener/Entries		
Aavishkar	Prof.Hiren Amin	13
Abhivyakti		15
T-Magic		37
G-16Extempore		15
Department/total participation	**MCA**	**360**
Faculty Coordinator:	Prof. Sapana Desai	

Student Coordinator:	**Zalak Gohil**	
Events/Faculty convener/Entries		
Aavishkar	Prof. Rashmi Singh	24
Abhivyakti	Prof. Alpa Shah	34
Abhisaar-Fuzzle	Prof.Zankhana Vaishnav	47
Bugs-buddy	Prof.Jayana Ahuja	76
News-Paper-Frontpage-Designing	Prof.Kaushika Pal	42
Mind-Spark	Prof Shitanshu Parekh	134
Idea Pitching	**Prof. Mukesh Patel** **Prof. Apurva Madlaywala**	**8**
Student Coordinator:		
Robotics	**Prof. Pritesh Saxsena** **Prof. Bhargav Shah**	**90**
Student Coordinator:		
Robo-war		6
Line-follower		4
Roborace		45
Robo-Sports		35