



INDUS SPARX 2016

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Indus University organized its fourth Technical Festival – INDUS SPARKS on 16th July, 2016. The event aimed to rejuvenate talents, build team spirits, manifest enthusiasm and promote technical innovation in students.

The event was executed in a short span by the faculty members and student co-ordinators of different departments under the banner of their respected associations. The festival comprised of eleven events which included Invention Quiz, Technical Treasure Hunt, Robo Race, LAN Gaming, Technical Ad, Circuit Trouble Shooting, Poster Making, Project EXPO, Model Making, Technical Ideas and Photography. Students from different disciplines participated in the event in large number. The winners of each event were declared in the last session and were awarded. ■



IMEA: Expert Lecture on Robotics

Indus Mechanical Engineering Association organized a seminar on “Future of Robotics and Automation” on July 22nd, 2016. This seminar was delivered by robotics expert Mr. Kevin Naik, Professor, PDPU. He discussed about basics of robotics, internet of things and artificial intelligence. He also enlightened the participants about advance robotics, current scenario and future prospects of robotics in India. ■

IICT Orientation Ceremony 2016

The Institute of Information and Communication Technology, Indus University organized an orientation function for the first year students of MSc-IT, Integrated MCA and Integrated MSc (CA & IT) on 11th July, 2016 at Indus University campus. The function was graced by dignitaries like Dr. S. B. Sharma, Executive President, Indus University and Dr. S. Tandon, Director, IITE. Mr. Bharat Patel, COO, Yudiz Solutions Pvt. Ltd. was the invited Chief Guest for the event. Mr. Patel who is in the IT Industry for more than three decades enlightened the fresher's through his inspirational talk. The second and third year students of IICT had put up a cultural show for the fresher batch. The orientation ceremony ended by an ice breaking session with the senior batch. ■



SHORT TERM TRAINING PROGRAM ON FINITE ELEMENT METHOD: THEORY AND PRACTICE



Mechanical Engineering Department of Indus Institute of Technology & Engineering (IITE) affiliated to Indus University, Ahmedabad organized a one week short term training program (STTP) on “Finite Element Method : Theory & Practice” from 27th June, 2016 to 1st July, 2016. The STTP was arranged with the objective to provide a platform to the researchers, faculty members and industries about latest know-how and involvement of interdisciplinary linkages in the FEM as well as to emphasize on new developments and applications of FEM in various domains such as Aerospace, Automobile, Research & Development, Biomechanics etc. In total the STTP witnessed 41 participants from various organizations across the state of Gujarat, while the list of prominent speakers included Dr. B S Munjal, Mr. Manoj Kumar Gupta, Dr D S Sharma, Dr. R D Shah, Mr. Mitesh Patel, Dr. Mayur Sutaria, Dr R. R. Trivedi, Mr. Shivraj Patil, Mr Gaurav Gayekwad, Dr Dhaval Jani and Prof. M J Mun gla. This STTP was organized by the support and guidance of Dr. Nagesh Bhandari, President, Indus University, Mrs. Ritu Bhandari, Associate Patron, Indus University and Dr S B Sharma, Executive President, Indus University, Ahmedabad.

Faculty Achievement

Prof. Mamta Amin presented a research paper titled “*Canadian Writing Centers and Its Feasibility in India*” at Indian Association for Canadian Studies and Macmillan India Sponsored National Seminar on Canadian Studies, 24th July 2016 jointly organised by Indian Council of Literary, Social, Educational and Cultural Research and UGC-HRDC, Gujarat University Ahmedabad.

Prof. Hemlata D. Jethmalani and **Prof. Amrita Jha**, Science & Humanities Department, Indus University attended a STTP on “*Finite Element Method: Theory and Practice*” scheduled from 27th June to 1st July 2016 at Indus University Campus Ahmedabad.

Prof. M J Mun gla’s research paper entitled “*Identification of a Crack in Clamped-Clamped Beam using Frequency-Based Method and Genetic Algorithm*” has been accepted in The Procedia Engineering Journal (Elsevier Journal) and published in the volume 144, 2016 (Page 1426 – 1434).

Prof. Rutva Mecwan presented a research paper titled “*Resisting Marginalization: Portrayal of Native Canadian women in Thomas King’s Novels*” at a National Seminar on Canadian Studies, 24th July 2016 jointly organised by Indian Council of Literary, Social, Educational and Cultural Research and UGC-HRDC, Gujarat University Ahmedabad.

The Journey @ Indus University

Vatsal N Shah

Electronics and Communication Engineering Department

I am sharing my journey with Indus University and Indus Family.

Admission Process:

I visited only one college “Indus University” after completing my 12th science in 2012 and had planned to apply for it even before the mock round. The first day of the college was zealous.

First challenge:

My first challenge began after a month wherein me and my friend participated in “IEEE Project Exhibition” organized by GCET College, Anand. We were the youngest participants and felt very proud when we represented Indus University at such a large scale. Numerous opportunities came by in the first six months. I and my classmate had represented Indus University at National Level even in non-technical event named “NukkadNatak” on “Pani re pani tera rang kesa”, based on behavior of human beings and grabbed second place in it.

Robotics Club initiated and failure!

I am very passionate about Robotics and that is why I opted for Electronics and Communication Branch. After contacting the seniors, I was really disappointed to know that there was no movement in the Robotics Club for past two years. So, I tried to contact the HOD, Mr. R.N Mutagi. My friends began to call me by the name “HOD” because of my meetings with the HOD. I finally managed to restart the Robotics Club in the college and represented Indus University at National Level. During one such competition at LD Engg., we came across an International Event called “Robocon”. After looking at their robots, I was surprised and tried to know the pragmatic things about robot. My dream was to represent Indus University in Robocon in the second year. We further shared our views with the management and finally got approval in 2013 for Robocon 2014. Me and my friend from EEE department worked for more than twelve hours a day went home via AMTS at 10:00 P.M and so much more. Team worked with dedication and things went smoothly but due to some reasons we couldn't make up to it. We had a hard time and I felt guilty about it. But it happens, failure and success, so better to accept it.

Department activity time:

During this time, I got the opportunity to represent Indus University at International Level wherein I and my four friends were shortlisted to attend the Grand Culmination Convention on 2nd Oct at Thyagaraj Stadium, New Delhi when Honorable Prime Minister Narendra Modi was the Chief Guest. In the third year, I became the President of Esync Students Associations. New team of Esync comprised of members focusing on all the types of events. As non-technical activity for the very first time we organized “Kapyo-che” Uttrayan event in Indus University and Selfie event in the event. I started the department magazine named “Revista” and successfully published two edition of Revista. Simultaneously, I started a part time job, as Faculty in two coaching classes for financial help. I took mainly Math and Science of standard 10th. In the journey of 2.5 years of teaching, I experienced the challenges engineering faculty faced each day. Learnt new things about Robotics during the third year and participated in number of workshops and internships and was member of AIESEC for few months.

Future planning and Robotics Club in 4th year (Never thought about this one!):

By the end of the third year people started preparing for Gate, GRE, CAT, etc. I was mostly clear about my aim and so started training for GRE. My family and friends were like, “you are in the 4th year, so focus on project, studies and GRE. Don’t waste your time in such competition”. But I had faith in me, I managed to continue working for Robocon. I again started from the process of Proposal, Department permission, Presentation to management, Team building, Interview, space permission, sponsorship, mentor, and so on. After crossing all the barriers “Indus Robotics Club” started in Indus University with mission of Robocon 2016. More than 120 students enrolled in Indus Robotics Club and organized workshops on Robotics and Technical topics in the campus. I started Robotics magazine also in the campus and successfully published first edition of Robotics Magazine which was published by Divyabhaskar. On 2nd October, first time in India, on my Idea, very innovative event conducted by students of IRC “Swachhata abhiyan by Robots”. Radio Mirchi, DNA, Divyabhaskar, Entrepreneur India, TV9 covered this event widely. That was a great start by IRC Students and mission of Robocon inclined gradually with time.

Initiated IEEE Student Branch in Indus University:

In my fourth year, me and a professor started IEEE Student branch in the college and it was a huge success. Time came for Robocon 2016. The competition was from 3rd-5th March, 2016. When I saw the name of Indus University on the robots and display cards, I was immensely satisfied as it was a dream come true for me. We stood amongst the top 40 out of 150 teams across the India. It has been a memorable journey.

Final year Project:

This was almost the end of my journey, but wait! My final year project was an innovative idea. There was a big vision, mission and objective behind the project. The project was on “Internet of Things”. On 3rd July of 2016, in Gujarat Samachar news was that Netherland is first country in the world, which was connected with ‘Internet of Things’. You may read more about my project on ResearchGate and video on YouTube. Divyabhaskar and Radio City noted about my project.

Special Note to my Mentor “Indus”:

Yes, I can say Indus in not only University for me, it is my friend and a mentor who was with me on every foot step in the campus including my friends, my faculty, librarian, Head of the Departments, Management team, Mr. Jagat Shah and Mr. Bhandari. I thank you from the bottom of my heart.

Special note for juniors:

Last note regarding my journey is that we might lose people of college, but don’t fear to lose friends as the good ones will always be by your side. Focus on your path and be thankful to everyone. Always work on your goal, meet new people and talk to everyone. Make these four years count. Your hard work will pay off. Try to seize every opportunity. At the end, one must be satisfied with himself. In Indus University, as a student I was childish and after four years with my mentor, my friend “Indus”, I have grown-up each day and ripen.

In the future as an Ex-student of Indus University, I will try my best to give more to Indus University. It’s not just the end... It’s just the beginning of the Journey! All great achievements require time.

Thanks for everything. I miss you Indus.

The VayuPutras: Supra SAEIndia 2016

Maharshi Shukla

Semester 7th, Mechanical Engineering

Why SUPRA SAEINDIA?

Team Vayuputras's motto "To learn & to grow" is the simple answer to this question. After the commendable performance in SAEIndia BAJA, it was now high time to take a step forward and explore a new event that shall help in understanding, new principles and concepts of engineering.

SUPRA SAEINDIA 2016 is a student motorsports event organized by SAEIndia at the world renowned Buddha International Circuit. Students are required to design, simulate, fabricate and then finally race a formula style vehicle. The design and engineering fundamentals are those followed by the epitome of motorsports i.e. Formula 1. The 2016 car, is built with lot of conviction, dedication and hard work. Scientifically designed and manufactured, it was a sincere and concentrated effort and is truly a Team's car.

TEAM FORMATION

For the team to benefit and learn, it is important that the team passes on the legacy each year by involving the junior members. So, the team had sixteen senior members from 2013 Batch, five members from 2014 Batch and two members from 2015 Batch. Written tests and interviews were conducted to select the deserving students from a long list of enthusiastic candidates.

Apart from having a sound technical team the importance of having an efficient management team was also recognized and efforts were made to select people who would specifically be in team for its management. This team in particular had various functions to perform viz maintaining relations with the sponsors, finding new sponsors, fund raising events, maintaining and updating team's social networking page etc.

Thus, the final team had twenty three members with two female members proving the team's hunt for pure talent and their belief in women empowerment.

TEAM'S APPROACH

The objective was clear from the beginning: 'To build a simple and reliable car that could clear the technical inspection as well as the static and dynamic events'. One thing was clearly evident that the team should have suitable sufficient testing time to iron out any flaws before the event itself.

To gauge the progress of the team as well as decide the course of action, frequent team meetings were conducted depending on the team's progress. The teams Captain, Vice-Captain and the Team Manager were responsible for leading the team, assigning responsibilities and periodically reviewing the progress. Various sub teams had their individual heads that would take final decisions on behalf of their team and report directly to the captain.

Hence, an exhaustive yet proven approach was followed and is still in progress to achieve our primary aim of having an A class team

THE FINAL CAR DESIGN

The competition was scheduled from 4th July 2016 to 9th July 2016 at the Buddha International Circuit. The team departed from Ahmedabad on 2nd July and reached Delhi. As decided, few team members went to solve the throttle glitch and the rest handled the accommodation issues.

RESULT:

The team was allowed to participate in every round of the event, and as a result the team ranked 48th across India with 198 points out of 160 teams participating in the event and 4th in Gujarat, due to its very strong performance in presentation and report evaluation.

THE PATH AHEAD

At this level there is no looking back. The team is motivated and wants to achieve big in terms of performance and skills. The team is determined to participate in Formula Bharat 2017 at the Buddha International Circuit which is scheduled to be held in the month of January.

Formula Bharat is a similar event with only top 61 teams across India to participate. The VayuPutras have successfully qualified for the event.





“The Moon stays bright when it doesn’t avoid the night”
Photo Courtesy: Mr. Jitendra Dave, Admin Coordinator, IDEA

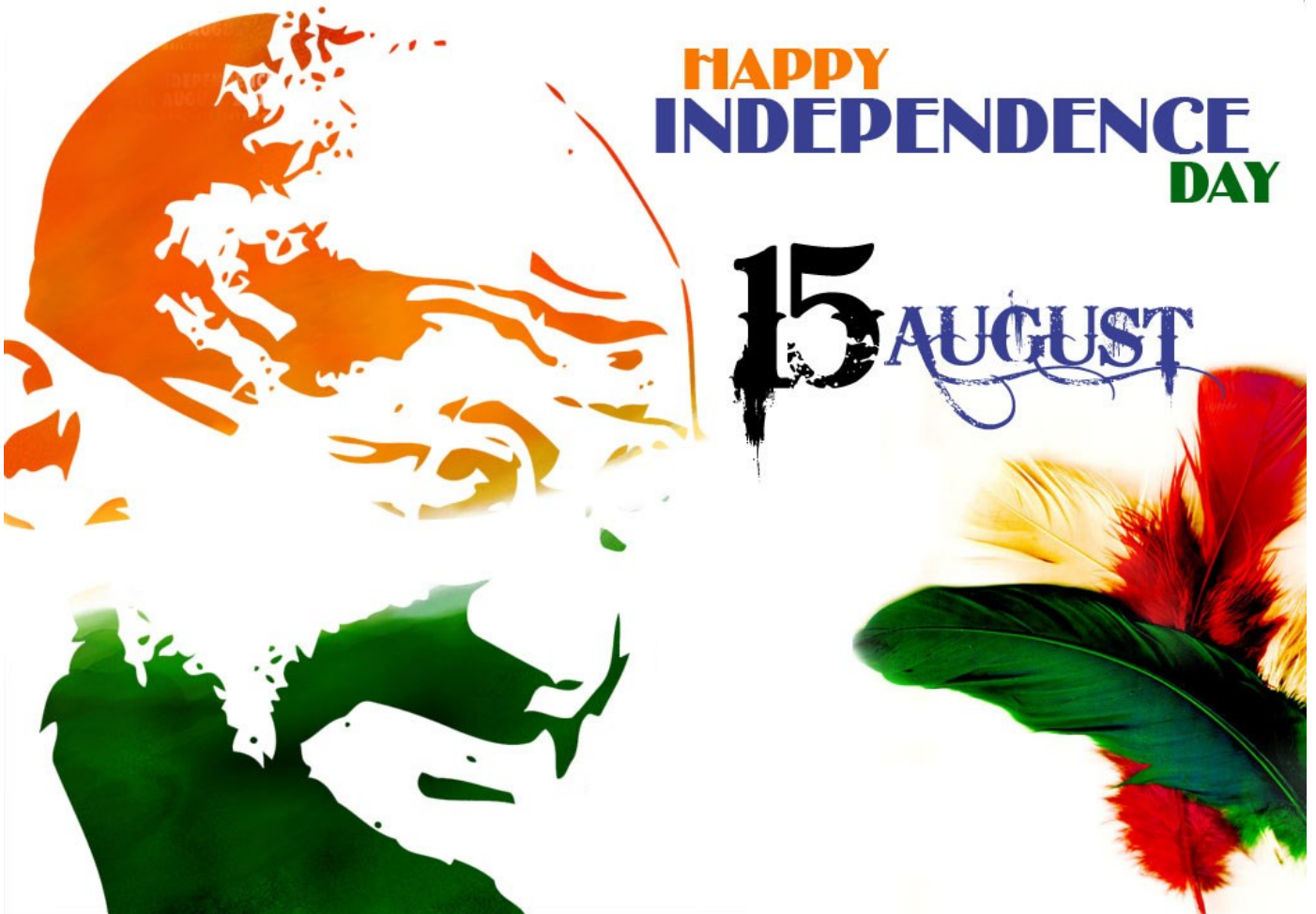


“Dark clouds don’t always mean rains!”

Photo Courtesy: Akash Rajodiya
(Semester 7 - Metallurgical and Materials Engineering)



Photo Courtesy: Arpit Patel (Semester 3 Mech. B)



**Team i360 wishes you Happy
70th Independence Day**



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