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WDC: Experiment in Home Economics



After consecutively two successful events under WDC at Indus University, the cell organized an out of the box competition on Saturday 21st of Nov'15 for all female staff members. The focus of the competition was judging ingrained creativity in investing your finances intelligently. Each member was to buy a product worth Rs.50/- which needed to be wrapped creatively for the element of surprise & suspense during the competition. Through a lucky draw these products were exchanged amongst each other to find out the winners in the categories such as (a) Creative gift packing - Best gift wrapping award (b) Return of interest (ROI) - Intelligent buyer (c) Utility point of view- Smart Homemaker. The winner was awarded on the same day. All female faculty staff & WDC members participated in this program proactively & enthusiastically and made it a good learning activity with added fun.

Indus Techno Freaks 2K15



The Institute of Information and Communication Technology organized "Indus Techno Freaks 2K15" on 9th October, 2015 at IICT premises. The event was intended to provide exposure and knowledge to school students about different courses of IICT at IU.

Prestigious schools of Ahmedabad were invited and 6 among them had participated in the event. The event was categorized in 4 non-technical sections i.e. 1. Quiz competition 2. Just a minute games 3. Counter strike 4. Poster maniac. Students from different schools took part in all the events and were awarded with medals, certificate and prizes.

The Maharaja Agarsen School had highest number of winners, thus awarded as the best school. The students of IICT had hosted the event and received enthusiastic response from the participants. ■

Workshop on 'Industrial Automation – PLC & SCADA'

The Electrical Engineering Department at IU hosted a National level workshop on 'Industrial Automation – PLC & SCADA' on 27th – 28th Oct'15 organized at Shaastra'16 IIT Madras in association with Innovians Technologies.

The workshop aimed at imparting conceptual as well as practical knowledge of Industrial Automation & latest technologies being used. The core idea of the workshop was to inculcate the basic fundamentals of automation and to provide a working platform for the same.

In total 51 students from EE,EEE, EC & ME departments of IU and other universities participated in the workshop. As a part of the workshop a competition was conducted on PLC & SCADA application and based on their performances the students namely Raval Parth, Vyas Karneek, Sharma Rishab, Kamani Ankit from sem-3 and Patel Mayank, Patel Avinash, Loharikar Devang, Prajapati Mehul from sem-7 from EE department were selected. ■

Expert Lecture on “ Application of EEE in Industrial Automation’

Indus Electrical & Electronics Association (IEEEA) had organized an expert lecture in the field of “Application of Electrical & Electronics Engineering in Industrial Automation” for 3rd semester EEE students. The expert Mr.Ashok Upadhyay, Manager - Training & Placement Department was from Electrotherm India Ltd.

Mr. Ashok began his lecture with a brief introduction of various types of industries present worldwide, followed by the details of various departments which undertake the specified task in those industries. He shared his industrial knowledge on making & designing of Induction Melting Furnace (IMF).

A fruitful discussion in the end made students aware about the actual ground scenario of Application of Electrical & Electronics Engineering in Industrial Automation. ■



IEEEA: Workshop on 'PCB Making'



Indus Electrical & Electronics Engineering Association (IEEEA) organized a workshop on "PCB Making" for 3rd semester students. The prime goal behind this workshop was to impose circuit designing knowledge among students. The workshop dealt with designing of various kinds of Electronic Circuits; Designing of PCB & Analog Circuit; Basics of Hardware & Software and PCB Designing Software (Proteus Software). ■

T&P Update

A Pool Campus Drive of eInfochips was conducted at Indus University on 5th – 6th Nov'15 for colleges across Gujarat. In total 34 Students were recruited out of which 8 belonged to IU. The eight selected candidates are from CE, EC & EEE from which six candidates were selected through eitra while the remaining two were directly hired. ■

Industrial Visits

Metallurgical Engineering Dept.

- Visit to Kotarpur Water Treatment Plant, Ahmedabad (1st, 3rd & 5th Semesters)
- Akshay Patra, Ahmedabad (Sem-1)

Electronics & Communication Engineering Dept.

- Bhaskaracharya Institute for Space Applications and Geoinformatics (BISAG) (Sem-5)
- Water Treatment Plan, Kotarpur (Sem-1)



Electrical Engineering Dept.

- ABB India Ltd., Vadodara (7th Sem)

MBA Dept.

- GVK-EMRI (108) Research Centre.
- Vadila Industries, Pundhra-Mahudi



Students' Achievement

New Kids on the Comedy Block

By Anil Mulchandani | Published: 14th November 2015 10:00 PM | Last Updated: 17th November 2015 12:16 PM



From left, founders Nihar Bhagat, Nisarg Shah, Brandon Lalakaka and Ansh Shah | Dinesh Shukla
The audience in the jam-packed hall at Crown Plaza in Ahmedabad roars with laughter as standup comic Brandon Lalakaka, a final year engineering student, says, "The government first bans porn, then Maggie. I mean these are the only two things an engineer can do in two minutes!"

Nisarg Shah & Ansh Shah who are amongst founders of Ahmedabad Komedians were featured along with their group nationally by The Indian Express. They are performing with Kanan Gill who is an internationally renowned stand up artist in their next show on 17th December'15. ■

Faculty Achievement

Prof.R.N.Mutagi was felicitated by the Institute of Electronics and Telecommunication Engineers (IETE) on the occasion of 62nd Foundation Day celebration on November 2, 2015. Prof.Mutagi is the Senior Life Fellow of IETE. ■



A Good handshake...what it takes!

By Kartik Pandya,
Director (Operations)

Imagine this:

- World's largest taxi company owns no taxis (UBER)
- Largest accommodation provider owns no real estate (Airbnb)
- Largest phone companies own no telecom infra (Skype, WeChat)
- World's most valuable retailer has no inventory (Alibaba)
- Most popular media owner creates no content (Facebook)
- Fastest growing banks have no actual money (SocietyOne)
- World's largest movie house owns no cinemas (Netflix)

Largest software vendors don't write the apps (Apple & Google)

In today's global society, digital marketing growing exponentially and connecting us in a way, which was not possible in the last decade. Social networks along with digital marketing messages are being planted in our brain without we even realize it. We are connecting at fast pace and the world is continually becoming more and more flat.



Now that communicating with each other is becoming so easy and simple, can traditional onsite meeting networking still compete? The answer is yes.

On one hand while we connect easily in digital space, on other, we become disconnected socially on a one to one level.

But as they say, "World moves in cycles and the 'old' eventually becomes 'new' ". One to One interaction and doing business with a firm **"handshake"** builds stronger and more successful business and personal relationships than by connecting online and being lost in the jungle of digital space of strangers with constant 'invites to connect'.

Indus In News

Robotics magazine includes '6th sense' tech

This technology lets one use hand gestures to interact with digital information

Harita Dave @harrya27



Students of Indus University at the launch of the robotics magazine

Students of Indus Robotics Club recently launched a magazine. One of the projects that finds place in the magazine includes 'Gesture Control media Player'. A team member KPVS Sathvik who designed this system said, "While playing music in the laptop we have to press the play and pause buttons but by using sixth sense technology we have designed a system wherein hand-gestures will be used to play and stop the music." Sixth Sense technology lets one use natural hand gestures to interact with digital information. This system has been designed by other two team members namely, Abhishek Porwal and Maiti Khanzari.

The 24-page magazine named 'Indus Robotics' was issued in its first edition with the support of six students of the club.

Vatsal Shah, the brainchild of the magazine said, "As we are participating in the Robocon competition scheduled in March 2016, we had to bring out a newsletter stating the status of our project. I thought just writing about a single project will not interest everybody. Thus came the idea of a magazine."

In the first issue they have incorporated details of their ongoing project, the past events and new projects done by other students. Shah feels that with such initiatives the students will get to write articles on their own which will improve their writing skills.

"Good articles will be taken one step further so that they can be published in renowned magazines relating to electronics. In this magazine we have also included how students sell parts related to robot at a rate cheaper than the market."

He added, "The work is still in process and currently it is a wired system but we are also planning to make it wireless."

The DSP of this system is that no camera has been used instead a simple sensor has been used to locate the hand-gesture. And the system would cost around Rs.1,000 after its completion. The second edition of the magazine will be open for all students of Indus University unlike this which was only limited to the members of the Indus Robotics Club.

Robotics to test design skills of students

Over 25 students of Indus University will participate in the robotics competition

Harita Dave @harrya27

Over 25 students of Indus University will participate for the first time in Asia-Pacific Robot Contest (ABU Robocon) competition. The contest tests the skills of programming, mechanical design and electronic circuit design. The national contest is being organised at Maharashtra Institute of Technology (MIT) Pune in March 2016. The team comprises students of electronics and communication engineering, electrical and electronic engineering and also computer engineering to name a few.

The team will have to make two robots - a child bot and a parent bot. They will have to operate them in such a way that they perform assigned tasks. The theme for the ABU Robocon 2016 is 'Global Warming: Non-conventional energy resources'.

Each task will carry different points and the team which achieves the maximum points will win and go on to compete at the international level in Bangalore.

Saurav Singh Tomar, faculty coordinator at the university said, "Currently, the preparation is at an initial stage. Shortly the testing team will start making the model of the robots. The robot is to be operated with remote and few parts are automatic so we have to programme it accordingly."

Engineering students of Indus University have created prototypes of robot cleaners, gardeners & gesture-controlled music systems

Driverless car to give Google a run for its money

Harita Dave @harrya27

GARDENING ROBOT



Time to make: 1 week
Task: Sprinkles water as directed
Nirmal Mistry, second year student of mechanical engineering said, "For the robot to work we require an application. In today's times smartphone is very common so it can be easily used. We are also working on an automatic model which will operate on its own with the use of a single switch. In the automatic model, all tasks including filling up water from the pipe and sprinkling water in all directions will be taken care of."

Team: Nirmal Mistry, Parth Pansurya, Meet Patel, Viraj Patel, Darshit Modi

DRIVERLESS CAR (DC)



Time to make: 2 months
Task: Driverless car
The main purpose of making a prototype of driverless car was to reduce the number of accidents taking place in the city, said Vasu Kalaria. He added, "Motor of the car will work on the basis of distance. And our plan was to design an affordable car with the best facility and also cheaper than the Google car. Ultrasonic sensors have been used in this prototype. The design lacks GPS system but they will add it in their higher version of the driverless car."

Team: Vasu Kalaria, Bilal Pathan, Dhruj Mishra

FLOOR-CLEANING ROBOT (DC)



Time to make: 15 days
Task: Floor cleaning
"I made this floor-cleaning robot keeping my mother in mind. Features of the robot include a real time clock as well. If one sets the time command for starting the cleaning at nine in the morning, then it will start on its own every morning and clean the entire house," said, Vatsal Shah. He added, "These robots are available at very high price in other countries but I have planned it to sell at a cheaper rate. I have already received orders for the same."

Team: Vatsal Shah

GESTURE CONTROL MEDIA PLAYER



Time to make: 4 months
Task: Play & pause songs via gesture control media player
KPVS Sathvik said, "The unique feature of this sixth-sense technology is that unlike others sixth-sense instruments, this does not require a camera. Due to this reason the cost has also come down. But the challenging part was programming of the player because the player had to accept movements that the hands made and play or pause songs accordingly."

Team: KPVS Sathvik, Abhishek Porwal, Ankur Rathil

CREATIVE ACT

TASK

There will be a narrow path wherein the mother robot will push the child robot without touching the latter and with the help of a fan and complete the route without falling down. Other tasks will also be performed by the robots like, putting up a flag and windmill in order to gain points.



ઇનોવેશન્સને પ્રોત્સાહન આપશે રોબોટિક મેગેઝિન

ઇન્ડસ યુનિવર્સિટી દ્વારા વિદ્યાર્થીઓની સ્કિલ્સને ઓળખ મળે તે માટે મેગેઝિન શરૂ કરાયું છે

સિટી રિપોર્ટર @ahm_cb

ઇન્ડસ યુનિવર્સિટીનાં 'ઇન્ડસ રોબોટિક્સ ક્લબ' દ્વારા તાજેતરમાં રોબોટિક મેગેઝિનની પહેલી એડિશન લોન્ચ કરવામાં આવી છે. આ મેગેઝિનમાં રોબોટિક ક્લબ દ્વારા થતાં વર્કશોપ્સ અને એક્ટિવિટીઝની માહિતી આપવામાં આવે છે.

તેમજ કેમ્પસમાં થતાં ટેકનિકલ વિષયોનાં રિસર્ચની માહિતી પણ પબ્લિશ કરવામાં આવે છે. આ ઉપરાંત ક્લબમાં હાલ 100થી વધારે એક્ટિવ મેમ્બર્સ છે, તેમનાં ટેકનોલોજીકલ ક્ષેત્રનાં ઈનોવેશન્સ અને કોન્ટ્રિબ્યુશન્સનો પણ મેગેઝિનમાં સમાવેશ કરવામાં આવે છે. આ મેગેઝિનથી વિદ્યાર્થીઓનો ઉત્સાહ વધે છે અને તેમને પોતાની સ્કિલ્સને ઓળખ મળે તેવાં પ્રયાસો થઈ રહ્યાં છે. આ વિશે વાત કરતાં ઈન્ડસ રોબોટિક ક્લબનાં ફાઉન્ડર વત્સલ શાહે જણાવ્યું કે, 'મેગેઝિનમાં માત્ર ટેકનિકલ વસ્તુઓનો સમાવેશ નહીં થાય, પરંતુ તેમાં ફોટોગ્રાફિંગનું પણ સેક્શન રાખ્યું છે. જેમાં વિદ્યાર્થીઓ તેમની ફોટોગ્રાફિ સ્કિલ્સનું પણ પ્રદર્શન કરી શકશે. આ મેગેઝિન અમે દર મહિને પબ્લિશ કરીશું. વિદ્યાર્થીઓને રોબોટિક્સમાં વધુ ઉત્સાહ જાગે તે માટે અને તેમને ઈનોવેશન્સ કરવાની પ્રેરણા મળે તે માટે આ મેગેઝિનની શરૂઆત કરવામાં આવી છે. આ મેગેઝિન દર મહિનાનાં પહેલાં વિક્રમ બહાર પડશે, જેમાં વિદ્યાર્થીઓની સ્કિલ્સ વિશે ઊંડાણમાં ચર્ચા થશે.'

Indus In News

ડબલ્યુઆઈઆઈએના વિદ્યાર્થીઓ જેટ એરવેઝની મુલાકાતે

મુંબઈ ખાતે જેટ એરવેઝની મુલાકાત ડબલ્યુ આઈઆઈએના ૫૫ વિદ્યાર્થીઓએ લીધી હતી. આયોજન વેસ્ટર્ન ઇન્ડિયા ઇન્સ્ટીટ્યૂટ ઓફ એરોનોટિક્સ, અમદાવાદ તરફથી થયેલું. ત્યાં ચિયરી સેશન પણ થયેલું અને સંસ્થાપનના પાસાં સમજાવવાનાં હતા. પ્રેક્ટિકલ માટેનું સત્ર પણ યોજાયું હતું.



જેટ એરવેઝ, મુંબઈ વર્કશોપની વિદ્યાર્થીઓએ મુલાકાત લીધી

વેસ્ટર્ન ઇન્ડિયા ઇન્સ્ટીટ્યૂટ ઓફ એરોનોટીક, ઇન્ડીસ યુનિવર્સિટી કેમ્પસમાં 2004થી ચાલી રહેલા એરક્રાફ્ટ મેઇન્ટેનન્સ એન્જિનીયરીંગ

અને 2012થી ચાલી રહેલ BSC એરક્રાફ્ટ મેઇન્ટેનન્સના વિદ્યાર્થીઓને જેટ એરવેઝ, મુંબઈ વર્કશોપ અને સુવિધાઓ દેખવાની તક મળી હતી.



ટેકનિકલ ટૂર : અમદાવાદ મેં ઇન્ડસ યુનિવર્સિટી પરિસ્થર મેં વર્ષ 2004 સે ચલ રહે વેસ્ટર્ન ઇન્ડિયન ઇન્સ્ટીટ્યૂટ ઓફ એરોનોટિક્સ મેં ઍરક્રાફ્ટ મેંટેનેંસ ઓર 2012 સે બી ઍસ સી ઍરક્રાફ્ટ મેંટેનેંસ કે વિદ્યાર્થીયોં ને હાલ હી જેટ ઍરવેઝ સે મુંબઈ કા ટેકનિકલ ટૂર કિયા। ઇન્સ્ટીટ્યૂટ કે મહાપ્રબંધક કે અનુસાર યહ ટૂર લાભપ્રદ રહા। ટૂર મેં બોઈંગ ઓર ઍ ટી ઍર કે વિમાનોં કા લાઈવ મેંટેનેંસ હેંગર ઓર ઇંજન શોપ, ઍર ફ્રેમ ઓર જેટ ઍરવેઝ કે વિમાનોં સે અક્રાંત કરાયા ગયા। વેસ્ટર્ન ઇન્ડિયા કે ઇન્સ્ટ્રક્ટર અમિત, મૌલિક ને નિર્દેશન કિયા। અકોંટેબલ મેંનેજર કરનાલ નાગર કે અનુસાર પ્રબંધ નિર્દેશક ડૉ. નાગેશ મંડારી ને નિર્દેશ દિયા કિ હર ઍક સેમેસ્ટર મેં ઇસ તરહ કા ટેકનિકલ ટૂર આયોજિત કિયા જાપ।

Greetings

*Team i360 wishes you
Merry Christmas &
A Happy New Year*





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