Preview of Techfest and Engifest 2014

From the desk of the Vice Chancellor
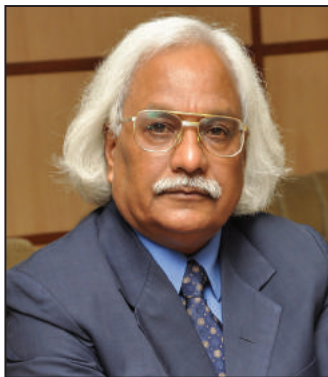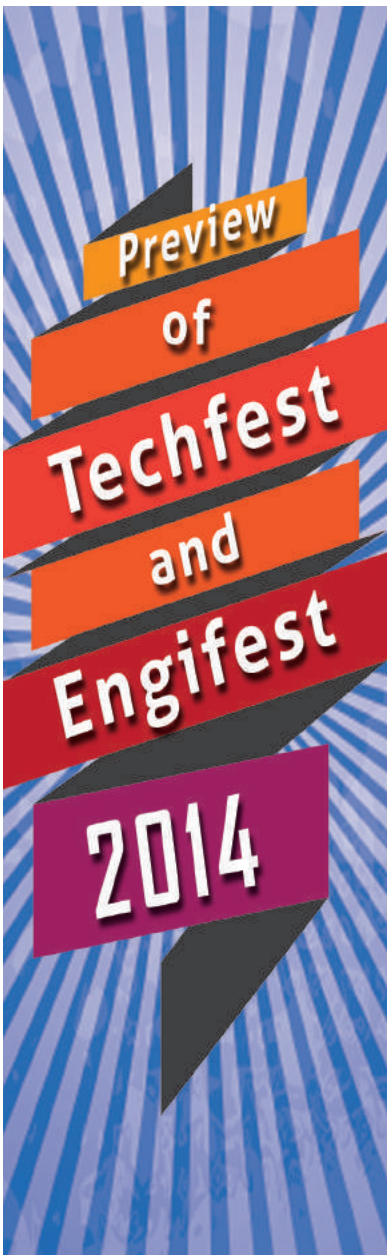
At a time when India is gearing up to shape itself as a world leader in innovation and technology development, it is absolutely essential for us to grasp cultural values such as truthfulness, honesty, personal integrity, work ethics and professional morality. Our cultural values inspire us to respect all religions of the world as being pursuits for the manifestation of divinity within us.

Respect for life and practice of non-violence should be imbibed in our souls as we being a highly peaceful nation have always looked at the interest of humanity by believing in *"Sarve bhavantu sukhina"*. No wonder, ancient seers and sages have handed down to us the legacy (*virasat*) of our spiritually enlightened, culturally rich and profound heritage which considers the whole world as one family *"Vasudaev kutumbakam"*.

It is the duty of all those related to engineering, technology and management to ensure that we integrate our cultural values, work ethics and professional morality in our quest for excellence. We at DTU are blessed with a highly inspired and talented student community which takes initiatives to nurture technical excellence and cultural values together through the annual cultural festival **Engifest** and annual technology festivals such as **TROIKA, INNOVA, AEON, KARYON, TATVA, PHOENIX, AURORA** etc.

It is also a matter of great pride and privilege for me to have a long association with this premier institution, now spanning 24 years, which includes my innings as the Principal / Director of DCE (since December 1990) and Vice Chancellor of DTU for the last 4½ years. During the last 4½ years as DTU we have succeeded in nurturing manpower of high technological acumen along with work ethics and professional morality. Our research and innovations have touched a new high. No wonder great industries including MNCs look towards DTU for their manpower requirement, technology development and innovations. Our partnership with Delhi Metro, Samsung Electronics and Lockheed Martin of USA and our MoUs with ALSTOM, TCS, NUS, NTU, HIT, IIP Dehradun, INMAS, CRRI and NPL have further strengthened our resolve to create the desired synergy between science, engineering and industry.

I hope that Engifest 14 and Techfest 14 shall inspire one and all to build a global society where science and technological capabilities of men shall be practiced in an environment of human values, ensuring care and concern for man and nature. I extend my warm greetings to all the participating teams coming from various institutions to this great techno-cultural rendezvous of 21st century.

February 5th, 2014

Prof. P.B. Sharma
Vice Chancellor

engifest 2014

15th Feb NATYA STAGE PLAY COMPETITION

16th Feb NUKKAD STREET PLAY COMPETITION

15th Feb SWITCH THE FUNK UP STREET DANCE COMPETITION

14th Feb ARPEGGIO BATTLE OF THE BANDS

engifest 13th - 16th Feb '14
Cultivating the spirit of human excellence
www.engifest.dce.edu
Endless. Energetic. Enigmatic

16th Feb SOUNDTRACK MUSIC COMPETITION

14th Feb ANUSHTHAAN CLASSICAL & FOLK DANCE COMPETITION

15th Feb PARIDHAN THE FASHION SHOW

14th Feb SPANDAN WESTERN DANCE COMPETITION

TROIKA

**FACULTY ADVISOR: Dr. S Indu, ProfessoW#r, WECE**
PRESIDENT: Rishi Pandey, 4th year, ECE
TECH EVENTS:
Radix, 8th Feb: The robotic fiesta: visualise, design, create.
Envision, 8th Feb: A software development competition.
Todo En Uno, 8th Feb: An all-in-one quizzing event combining questions from riddles, puzzles, mathematics and logical reasoning.
Design Pro, 8th Feb: A competition involving
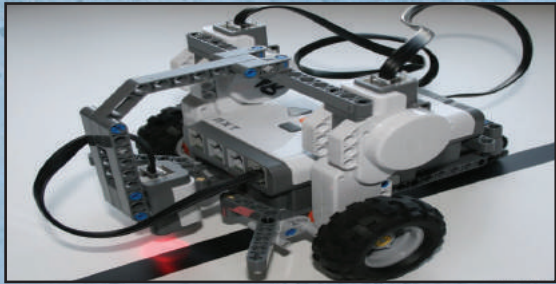
designing in all aspects: animation, web designing and poster making.
Brainwave, 9th Feb: A hardware designing competition comprising of designing open hardware and predefined hardware.
Technovision, 9th Feb: A technical paper presentation contest.
Junkyard, 9th Feb: An event to showcase resourcefulness with only scrap in hand.
BITS, 10th Feb: An on-the spot programming challenge.
Electrocution, 10th Feb: An electrical circuitry competition involving the usage of components like resistors, inductors, inductors etc.

MELIORA

FACULTY ADVISOR: Anamika Chauhan, Assistant Professor, IT
PRESIDENT: Nikash Puri, 3rd year, IT
TECH EVENTS:
Masterchef coder, 8th Feb: An event to solve a coding problem given only a limited set of functions.
Shades of Mystery, 8th – 11th Feb: A quiz covering broad horizons: IQ, logic, and technology.
Master AI, 9th Feb: A contest of beating the agent, killer of a Tic Tac Toe player.

Code Baton, 9th Feb: An event to solve the coding problem as a group but with switching members.
CODEZilla, 10th Feb: A reverse coding contest.
Bug Trail, 10th Feb: A program debugging event.

Texhibit, 10th Feb: The annual technical paper presentation.
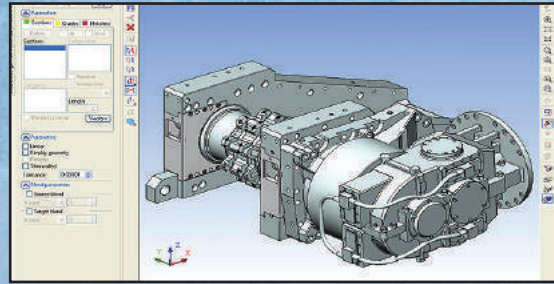
UDYOG

FACULTY ADVISOR: Dr. R.S Walia, Associate Professor, ME
PRESIDENT: Nitesh Kumar, 3rd year, PIE
TECH EVENTS:
Quizz-O-Dart, 8th Feb: An event combining knowledge and agility to aim at the target.
Optimiser, 9th Feb: Lecture series.
CAD-Da-Vinci, 10th Feb: A contest of

designing the component in given time.

RENAISSANCE

FACULTY ADVISOR: Prof. Madhusudan Singh, HOD, EE
**PRESIDENT: Miteshwar Singh, 4th year, EE**
TECH EVENTS:
Cipher, 8th Feb: A game of encryption-decryption.
Illuminate, 8th Feb: An event to design an autonomous light follower bot on the spot.
Line follower, 8th Feb: A contest between bots, making them follow an imprinted pattern with least deviations.
Code-a-thon, 9th Feb: A computer code debugging event.
Fabricacion, 9th Feb: A PCB designing competition.
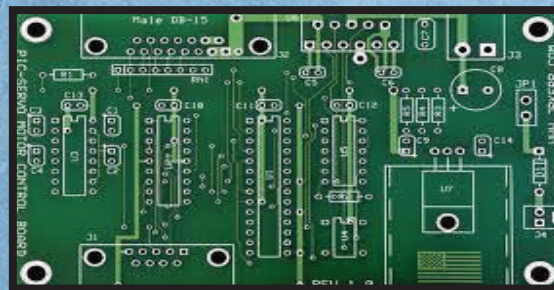
Hovercruz, 9th Feb: An event to design and assemble a mini hovercruz.
Human calculator, 9th Feb: An event to test speed in calculations.
Spark-e, 9th Feb: A quiz based on electrical and magnetic phenomenon.
Collonade, 10th Feb: A transmission line designing contest.
Green-o-vation, 10th Feb: An open hardware challenge involving designing of a device which is environmentally sustainable and economically viable.
Tech-x-bit, 10th Feb: The technical paper presentation contest.
Junkyard, 10th Feb: An event involving the design of a machine using junk provided.
Bridging the gap, 10th Feb: A contest of building bridges using ice-cream sticks.

AURORA

FACULTY ADVISOR: Dr. Rishu Chaujar, Assistant Professor, EP
STUDENT COORDINATOR: Sidhant Chopra, 3rd year, EP
TECH EVENTS:
I-Robot, 8th Feb: An event to make the bot follow the black line on a complex path without diverging.
Robo Race, 8th Feb: A robotic extravaganza.
Circuitrix, 8th Feb: An event of solving a given problem using the components provided (ICs, breadboards, logic gates etc.) within stipulated time.
Accelerometer, 8th Feb: An event to design a system with maximum efficiency using energy conversion rules.
Hack-Jack, 8th Feb: A national level ethical hacking competition.
Stasis, 9th Feb: An event judging the stability of a bot on a rough path, carrying a fluid without spilling it off.
Robo Soccer, 9th Feb: A robotic soccer pitch competition.
Hardware/Software Display, 9th – 10th Feb: Presentation of hardware and software creations.

PHOENIX

FACULTY ADVISOR: Vinod Kumar, Assistant Professor, COE
PRESIDENT: Manan Dang, 4th year, COE

TECH EVENTS:
Cranium 8th – 11th Feb: An ICPC style online coding competition testing algorithmic applications.
Mathrix, 10th Feb: A mathematical quiz.
Neuvo Gengo, 10th Feb: A coding event involving an unknown programming language.
Blind coding, 10th Feb: A contest of coding without the monitor screen turned on.
Bugtrail, 10th Feb: A bug finding contest.
Unscramble the query, 10th Feb: An exclusive event for coders and quizzers.

KARYON

FACULTY ADVISOR: Dr. Yasha Hasija, Professor, Biotech
STUDENT COORDINATOR: Satyam Singh, 3rd year, BT
TECH EVENTS:
Stoke on, 9th Feb: A competition of designing and painting on a lab coat.
Inquisitivo, 10th Feb: A quiz.
Bond 007, 10th Feb: A quizzing event with a tinge of forensic science.
Biosudoku, 10th Feb: An event to solve Sudoku with a tinge of biotechnology.
Inspire, 11th Feb: Guest lectures

Innova

FACULTY ADVISOR: Dr. K.C. Tiwari, Associate Professor, CE
PRESIDENT: Akash Sahay, 3rd year, EEE
TECH EVENTS:

Cadd Craft, 9th Feb: An event to create designs using computerised drafting techniques based on a given problem statement.
*Find D Bug, 9th Feb*: An event to execute a program by finding errors in its algorithm.
Boomerang, 9th Feb: An event to make a boomerang which can retrace its path after given a throw and also hits the desired target.
Contraption, 9th Feb: A mechanism devising contest using given apparatus to perform specific tasks.
Think Reverse, 9th Feb: A contest to study, dissemble and reassemble a given mechanism in the given time frame.
Matrix Reinforced, 9th Feb: An event to make proportionate mixtures of building materials.
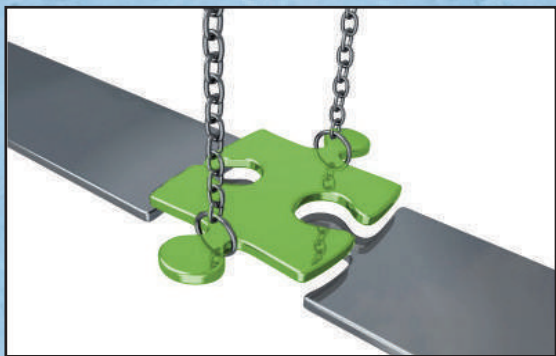
Disaster Management, 9th Feb: A contest involving construction of a building which is subjected to simulated disaster conditions and realistic judgment parameters.
Wind Turbine, 10th Feb: An event to design, build and assemble wind turbine blades in such a way that it can produce the maximum power under loading by harnessing wind energy.
Socio-Tech, 10th Feb: Display of innovative technological ideas of participating teams to a panel of experts.
Clay Play, 10th Feb: A car designing contest along with modelling of the car in clay.
Robotics, 10th Feb: A mega event including four varied categories: Robowars, Aquarobo, Robochase and Robomaze.
Planimeter, 10th Feb: A contest to approximate the area of the demarcated station with instruments like theodolite, tape and total station.

Bizzeal, 11th Feb: Presentation of B-plans corresponding to a given theme.
Torpedo, 11th Feb: An event to make a water powered rocket.
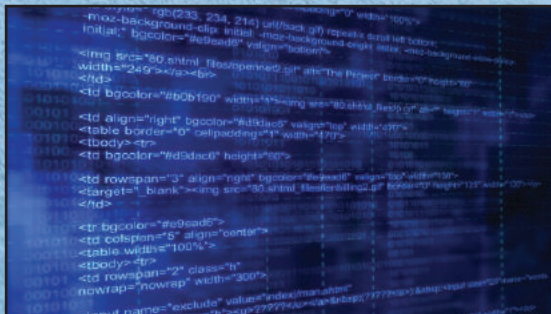*Air Glider: 11th Feb:* A contest to make hand launched gliders within stipulated time.

Aeon

FACULTY ADVISOR: Dr. Ruchika Malhotra, Assistant Professor, SE
PRESIDENT: Chand Anand, 3rd year, SE
TECH EVENTS:

UML Display, 8th Feb: An on the spot competition to present the UML diagram for given case study.
Switch programming, 8th Feb: A contest involving partnering up and working alternatively to make a program with the given output.
Code Hunt, 9th – 10th Feb: A treasure hunt which involves deciphering the C/C++ codes to find the next clue.
Software Display, 10th Feb: Demonstration of software engineering skills.
Testing Geeks, 10th Feb: A contest to make test cases out of the given problem statement without any code being provided.
Assemble rumble, 10th Feb: An event of arranging the given modules of a program.
Technical Paper Presentation, 11th Feb

Asymptotes

FACULTY ADVISOR: Dr. R. Srivastava, Associate Professor, Mathematics Department
STUDENT COORDINATOR: Kunal Vats, 3rd year, MCE
TECH EVENTS:

Mathenoire 2.0, 8th Feb: A quiz based on mathematical concepts.
Cryptography, 9th Feb: An event to encrypt the code provided.
Guide the light, 9th Feb: A contest of guiding the laser light through the arrangement of mirrors and prisms.
Code-E-Thon, 9th Feb: A C/C++ code development contest.
Rubiquest, 9th-10th Feb: A series of competitions based on the Rubiks cube.
Super-DOKU-Thlon, 10th Feb: An event to test abilities in Sudoku within the stipulated time.

Tatua

FACULTY ADVISOR: Anil Kumar, Assistant Professor, PSCT
STUDENT COORDINATOR:
Himanshu Tyagi, 3rd year, PSCT
TECH EVENTS:

Debate, 8th Feb: A debate based on future of Solar energy.
Alchemist, 9th Feb: The technical paper presentation competition.
Radical, 10th Feb: A chance for budding entrepreneurs to showcase business strategies.
Contrivance, 10th Feb: A chemical compound identification competition.
Confluence, 11th Feb: Lecture series.

Throttle

FACULTY ADVISOR: J.P Kesari, Associate Professor, ME
STUDENT COORDINATOR: Harshal, 3rd year, AE
TECH EVENTS:

Fast and Furious Night, 9th Feb: An event showcasing sports bikes, sports cars along with electrifying music.

Mechanica, 9th -11th Feb: An event to assemble the bike from given parts in the shortest time span possible.
Tenacity, 9th -11th Feb: A competitive event involving fabrication of the strongest vehicle chassis.
Grease monkeys, 9th -11th Feb: An event to prepare a running model of a vehicle in the given time limit, provided with a chain, sprocket and other necessary tools.
Rock crawler, 9th -11th Feb: A chance to drive the Rocky terrain and record minimum time.
Monster design, 9th -11th Feb: An event to make cars only out of cans.
Paper wings, 9th -11th Feb: A contest to make paper planes and test them in the arena.
Go sloth, 9th -11th Feb: A bike riding contest, only at the slowest possible speed without losing balance.
Autoholics, 9th -11th Feb: An automotive quiz.
Veggie Derby, 9th -11th Feb: An event to create an aerodynamically stable model of a car using vegetables.
Gauntlet, 9th -11th Feb: Bike race.

4 BLENDING CULTURE WITH TECHNOLOGY

GLIMPSES OF ENGIFEST 13

INTRODUCING
ENGIFEST 14

Engifest, the annual cultural festival of Delhi Technological University is a four-day long cultural extravaganza. It bridges the gap between technical education and creativity. It is a much needed wave of cultural activities, rich in diversity. Engifest symbolises achievement, pride and is a true testimony to the indomitable spirit, liveliness and sheer energy of youth. It has over the years become synonymous with the very brand of DTU. Inviting participation from numerous colleges, this year too Engifest hopes to strike a chord with its multi-faceted activities spanning over all horizons. Competitive events like **STFU**-the street dance competition, **Spandan**- the western dance competition, **Anushthaan**- the folk and classical dance competition, **Arpeggio**- the battle of bands, **Natya**- the stage play competition, **Nukkad**- the street play competition, **Paridhan**- the fashion show and **Soundtrack** are all events to look forward too. The **Star Night** is a hot favourite among students and teachers alike, with large numbers turning out to catch a glimpse of the star and dance to the merry tunes. Moreover, there are a plethora of informal events too which will surely keep you gripped.

DTU Times Team

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Stay tuned, Engifest 14 is going to stun us all!