

Day 0 – January 3rd

Event	Round	Time	Venue
Opening Ceremony	-	17:00 to 17:30	IC&SR Audi
Confluence	-	17:30 to 19:30	IC&SR Audi
<i>Witness the coming together of stalwarts from the field of research, industry and public policy and the institute's very own students.</i>			
Boeing National Aero modeling Competition	Prelims	08:00 to 17:30	Chemplast
<i>Build an aircraft from scratch and showcase its maneuvering capabilities on the arena</i>			

Day 1 – January 4th

Event	Round	Time	Venue
Shaastra Cube Open	Trials	08:00 to 21:00	CRC 101,102
<i>Race against time to solve the Rubik's cube</i>			
Boeing National Aero modeling Competition	Round 2	08:30 to 12:00	Chemplast
<i>Build an aircraft from scratch and showcase its maneuvering capabilities on the arena</i>			
Symposium (Pre Registered)	Introduction	09:00 to 10:00	DoMs Conf Room
<i>A platform for students to meet and discuss issues of social relevance today</i>			
Lunar Rover Challenge (Pre Registered)	Finals	09:00 to 23:00	OAT
<i>Build an all terrain rover capable of traversing on moon surface. The winner's rover design will be sent to the moon</i>			
Network Security Workshop (Pre Registered)	Workshop Batch 1	09:00 to 17:30	BT Seminar Hall
<i>Learn about advanced telecommunication technologies like 2G, 3G, 4G, etc</i>			
Hovercraft Workshop (Pre Registered)	Workshop	09:00 to 18:00	MSB 302
<i>A unique opportunity to build your very own hovercraft!</i>			
Symposium (Pre Registered)	Mentorship Session	10:00 to 12:00	DoMs Conf Room
<i>A platform for students to meet and discuss issues of social relevance today</i>			
How Things Work	Prelims	10:00 to 12:00	CLT
<i>Use science and common sense to answer questions related to day to day phenomena ranging from music and food to rocket science.</i>			
Math Modelling	Prelims 1	10:00 to 12:00	CRC First Floor
<i>Model a mathematical problem from a list of questions provided. 12th class mathematics only pre requisite!</i>			
Junkyard Wars	Prelims	10:00 to 12:00	CRC Second Floor
<i>Fuel your innovation with one of the biggest scrapheap challenges, giving life to junk.</i>			

Robo-Oceana (Pre Registered)	Prelims	10:00 to 17:30	KV Ground
<i>Witness marine robots battle against waves and overcome obstacles in water in a showdown to decide the champion.</i>			
Fire n ice (Pre Registered)	Prelims	10:00 to 17:30	OAT Gallery
<i>Race your RC cars against the very best in the country</i>			
Top Gun (Pre Registered)	Prelims	10:00 to 17:30	Chemplast
<i>Maneuver remote controlled planes along a particular path and perform stunts</i>			
Exhibits from IGCAR and LaTrobe University	Exhibit	10:00 to 17:30	KV Ground
<i>Reactor technology based Exhibition; PaPeRo (Partner-type-Personal-Robot) from Australia</i>			
Reverse Coding	Prelims	11:00 to 13:00	Phlt
<i>Given the output, crack the input code!</i>			
Estimus (Pre Registered)	Finals	11:30 to 18:30	MRC
<i>Crack a consulting case and present its solution to a panel of judges from the consulting sector</i>			
Amitab Shah (CEO, Yuva Unstoppable)	Lecture	12:00 to 13:30	ICSR
Devinder Sharma	Lecture	12:30 to 14:00	CLT
<i>Food and Trade Policy Analyst</i>			
Android Development W/S (Pre Registered + Onspot – Limited)	Workshop Batch 1	12:00 to 17:00	CS DCF
<i>Learn to design, develop and manage android apps</i>			
Manual Robotics Workshop (Pre Registered)	Workshop Batch 1	12:00 to 17:00	ESB 127, ESB 129
<i>A workshop for building an RC Robot playing Soccer</i>			
Paper Plane Workshop (Onspot Limited Registration)	Workshop	13:00 to 14:30	SAC
<i>Participants will be exposed to various designs of paper planes with better time of flight</i>			
Vittaneeti	Prelims	14:00 to 15:00	CRC First Floor
<i>Crack a finance based case & present its solution to a panel of judges from the finance sector</i>			
John Adler (Inventor, Cyber-Knife, Stanford University)	Lecture	14:00 to 15:30	ICSR
Paper Plane Competition	Trials	14:30 to 16:00	SAC Bowl
Education Fair	Panel Discussion	14:30 to 16:30	CLT
<i>A panel discussion between DAAD (Germany), Study in Holland, Education USA, Birmingham City University (UK) & Campus France</i>			
Junkyard Wars	Round 2	14:30 to 17:00	CRC 103
<i>Fuel your innovation with one of the biggest scrapheap challenges, giving life to junk.</i>			

3D Animation workshop (Both batches)	Session 1	14:30 to 17:00	PHIt
<i>Learn to use 'Blender' and make animated short films, still images and wallpapers.</i>			
Sharmilla Bhattacharya (Head, NASA AMES Research Centre)	Lecture	16:00 to 17:30	ICSR
A talk by Bala Bharadwaj from Boeing	Lecture	16:30 to 17:30	CLT
Hackfest Workshop (Pre Registered)	Introduction	17:00 to 18:00	CRC 103
<i>Grab an opportunity to meet experienced mentors and develop Free Open Source Softwares.</i>			
Video Conference with Anirudh Sharma	Lecture	18:00 to 19:00	ICSR
<i>Inventor of Le Chal (a haptic shoe for the visually impaired)</i>			
Reverse Coding	Finals	18:00 to 19:30	CS DCF
<i>Given the output, crack the input code!</i>			
Envisage	Student Show	19:00 to 17:00	SAC
<i>Experience the journey of ultimate impression with creation of music without any instruments, sparks dancing to music and much more</i>			
Hackfest Workshop (Pre Registered)	Workshop	22:00 to 04:00	CS DCF
<i>Grab an opportunity to meet experienced mentors and develop Free Open Source Softwares.</i>			

Day 2 – January 5th

Event	Round	Time	Venue
Junkyard Wars	Round 3	08:00 to 17:30	CFI
<i>Fuel your innovation with one of the biggest scrapheap challenges, giving life to junk.</i>			
Shaastra Cube open	Trials	08:00 to 21:00	CRC 101,102
<i>Race against time to solve the Rubik's cube</i>			
Limca World Record Attempt	-	09:00 to 11:00	SAC Bowl
Wright Design (Pre Registered)	Prelims	09:00 to 12:00	DOMS 101
<i>Put yourself in the shoes of the Wright Brothers as you design and build a plane with given constraints</i>			
Symposium (Pre Registered)	Field Visit	09:00 to 14:00	Field visit
<i>A platform for students to meet and discuss issues of social relevance today</i>			
Pan IIT Research Expo	-	09:00 to 16:00	KV Grounds
<i>An insight into the various research happening in all IITs</i>			
Boeing Aero modelling W/S (Pre Registered)	Workshop	09:00 to 18:00	MSB 301
<i>A workshop for building your own RC aircraft</i>			

Hovercraft Workshop (Pre Registered)	Workshop	09:00 to 17:00	MSB 302
<i>A unique opportunity to build your very own hovercraft!</i>			
Network Security Workshop (Pre Registered)	Workshop Batch 2	09:00 to 17:30	BT Seminar Hall
<i>Learn about advanced telecommunication technologies like 2G, 3G, 4G, etc</i>			
Forensics Workshop (Pre Registered + Onspot – Limited)	Workshop	09:30 to 13:00	CRC 103
<i>Learn the art of blood typing, fingerprint matching, handwriting analysis etc</i>			
Auto Quiz	Prelims	10:00 to 11:30	PhLt
<i>Know it all when it comes to Automobiles?</i>			
Jatinder V Yakhmi (Chairman, Atomic Energy Education Society)	Lecture	10:00 to 11:30	CLT
Manoj Pant (Lead Speaker, WTO on International trade)	Lecture	10:00 to 11:30	ICSR
3D Animation Workshop (Batch A)	Session 2	10:00 to 12:30	CS DCF and Systems Lab
<i>Learn to use 'Blender' and make animated short films, still images and wallpapers.</i>			
Debugging	Prelims	10:00 to 13:00	CRC Second Floor
<i>Test your debugging skills at this event</i>			
Autonomous Robotics W/S (Pre Registered)	Workshop Batch 1	10:00 to 15:00	ESB 127, 129
<i>A workshop for building a robot that will follow</i>			
Robo Oceana (Pre Registered)	Finals	10:00 to 17:30	KV Grounds
<i>Witness marine robots battle against waves and overcome obstacles in water in a showdown to decide the champion.</i>			
Exhibits from IGCAR and LaTrobe University	Exhibit	10:00 to 17:30	KV Ground
<i>Reactor technology based Exhibition; PaPeRo (Partner-type-Personal-Robot) from Australia</i>			
Master Builder	Finals	10:00 to 18:00	CLT Lawns
<i>Build a bridge by assembling some prefabricated bridge model components</i>			
Industry Defined Problem (IDP) - GE	Finals	10:00 to 18:30	Chem Seminar Hall
<i>Present solutions for effective recycling of waste for cleaner and healthier environment in urban area</i>			
RoboWars (Pre Registered)	Prelims	11:00 to 18:00	SAC Bowl
<i>A battle of life and death where remote controlled robots battle their foes in a closed cage with strategic weapons</i>			
Vittaneeti	Finals	11:00 to 18:00	MRC
<i>Crack a finance based case & present its solution to a panel of judges from the finance sector</i>			
Prof. Chandrajit Marwaha & Mr. Abhishek Dutt (BCU)	Lecture	11:30 to 12:30	PhLT

Sreenivasa Varadan	Lecture	12:00 to 13:30	ICSR
<i>Winner, National medal of Science(US) & Abel prize</i>			
Sravan & Sanjay	Lecture	12:00 to 13:30	CLT
<i>Young CEO & Co-founders of Go Dimensions, an app developing unit</i>			
Puzzle Champ	Prelims 1	12:30 to 15:30	CRC First Floor
<i>The Mecca of puzzling enthusiasts: Two rounds of puzzling to test logic, reasoning and maths.</i>			
Technosia Lecture (Pre Registered)	-	13:00 to 17:00	CRC 103
Fire n Ice (Pre Registered)	Round 2	13:00 to 17:00	DOMS 101
<i>Race your RC cars against the very best in the country</i>			
Triathlon	Prelims	13:30 to 15:30	CRC Second Floor
<i>One for Programmers for the ultimate test in different topics of Computer Science</i>			
3D Animation Workshop (Batch B)	Session 2	13:30 to 16:00	CS DCF and Systems Lab
<i>Learn to use 'Blender' and make animated short films, still images and wallpapers.</i>			
Auto Quiz	Finals	13:30 to 16:30	PHIt
<i>Know it all when it comes to Automobiles?</i>			
Lecture by Anand K from General Electric	Lecture	14:00 to 15:00	CLT
<i>Talk on Meeting India's Energy Needs – Key Engineering Challenges in Turbomachinery</i>			
Michael Meyer	Lecture	14:00 to 15:30	ICSR
<i>Lead scientist, NASA's Mars Exploration Program</i>			
Shaastra Main Quiz	Prelims	15:00 to 18:00	CLT
<i>The biggest Sci-Tech quiz of India!</i>			
Gautam Narang (Expert Researcher on Humanoid robots)	Lecture	16:00 to 17:30	ICSR
Math Modelling	Round 2	16:00 to 18:00	CRC First Floor
<i>Model a mathematical problem from a list of questions provided. 12th class mathematics only pre requisite!</i>			
Debugging	Finals	16:30 to 20:30	CS DCF
How Things Work	Finals	17:00 to 20:00	PHIt
<i>Use science and common sense to answer questions related to day to day phenomena ranging from music and food to rocket science.</i>			
Air show	Show	17:15 to 18:45	Chemplast
<i>Watch some of the best flyers from the world showcase their talent of flying RC planes and perform twists, turns and several different stunts.</i>			

Shaastra Main Quiz	Semi Finals	20:00 to 01:00	CLT
<i>The biggest Sci-Tech quiz of India!</i>			
Manual Robotics (Pre Registered)	Prelims	21:00 to 04:00	SAC Bowl
<i>Play 'Gold Miner' by collecting gold balls and stopping the opponents to collect them using manually controlled robots</i>			
Hackfest Workshop (Pre Registered)	Workshop	22:00 to 04:00	CS DCF
<i>Grab an opportunity to meet experienced mentors and develop Free Open Source Softwares.</i>			
Day 3 – January 6 th			
Event	Round	Time	Venue
Junkyard Wars	Round 3	08:00 to 17:30	CFI
<i>Fuel your innovation with one of the biggest scrapheap challenges, giving life to junk.</i>			
Ultimate Engineer	Prelims	09:00 to 10:30	CRC 101,102,103
<i>Engineering across boundaries, test the engineer in you and battle to be crowned as the 'Ultimate Engineer'</i>			
Symposium (Pre Registered)	Mentorship Session	09:00 to 11:00	DOMS Conference Room
<i>A platform for students to meet and discuss issues of social relevance today</i>			
3D Animation Workshop (Batch A)	Session 3	09:00 to 11:00	CS DCF and Systems Lab
Chemical X	Prelims	09:00 to 11:00	CRC First Floor
<i>Using the knowledge of chemistry to answer questions ranging from kitchen to laboratory</i>			
Paper Plane Workshop (Onspot Limited Registration)	Workshop	09:00 to 11:00	SAC Gallery
<i>Participants will be exposed to various designs of paper planes with better time of flight</i>			
Wright Design (Pre Registered)	Finals	09:00 to 12:00	Chemplast
<i>Put yourself in the shoes of the Wright Brothers as you design and build a plane with given constraints</i>			
Boeing Aeromodelling W/S (Pre Registered)	Workshop	09:00 to 18:00	MSB 301
<i>A workshop for building your own RC aircraft</i>			
Hovercraft Workshop (Pre Registered)	Workshop	09:00 to 12:00	MSB 302
<i>A unique opportunity to build your very own hovercraft!</i>			
Chuckglider Workshop (Pre Registered)	Workshop	09:00 to 13:00	ESB 127,129
<i>An introductory hands on workshop on how to build and launch a glider</i>			
Manual Robotics Workshop (Pre Registered)	Workshop Batch 2	09:00 to 14:00	MSB 357, MSB 358
<i>A workshop for building an RC Robot playing Soccer</i>			
Aerobotics (Pre Registered)	Finals	09:00 to 15:00	SAC Stage
<i>Combine aero modeling and robotics to build a flying machine tuned up to perform a specific set of tasks.</i>			

Pan IIT Research Expo	-	09:00 to 16:00	KV Grounds
<i>An insight into the various research happening in all IITs</i>			
Industry Defined Problem (IDP) - Eaton (Pre Registered)	Finals	09:00 to 16:00	Chem Seminar Hall
<i>Suggest & analyse a certain type of a hybrid vehicle suitable for India</i>			
Shaastra Junior Quiz (Pre Registered)	Semi Finals and Finals	09:00 to 17:00	CLT
<i>Watch as school students selected through regional rounds battle for the School Quiz Championship</i>			
Paper and Poster Presentation (Pre Registered)	Finals	09:00 to 17:30	BT Seminar Hall
<i>A great platform for the amateur scientists to showcase their research work</i>			
Narasinha Rao (The Chairman of Coal India Limited)	Lecture	10:00 to 11:30	ICSR
Ideas Challenge (Pre Registered)	Finals	10:00 to 13:00	ICSR Hall 3
Sustainable Cityscape (Pre Registered)	Prelims	10:00 to 15:00	DOMS 101
<i>Your chance to design your own sustainable and smart city</i>			
Fire n Ice (Pre Registered)	Finals	10:00 to 17:00	OAT Gallery
<i>Race your RC cars against the very best in the country</i>			
Exhibits from IGCAR and LaTrobe University	Exhibit	10:00 to 17:30	KV Ground
<i>Reactor technology based Exhibition; PaPeRo (Partner-type-Personal-Robot) from Australia</i>			
Lecture by the CEO of Tractors & Farm Equipment (TAFE)	Lecture	11:00 to 12:00	DOMS Conf. Room
Forensics	Prelims	11:00 to 12:30	CRC First Floor
<i>Do you want be a real life Sherlock Holmes? Solve a murder mystery using forensics evidence</i>			
Code Obfuscation	Prelims	11:00 to 13:00	CRC 103
<i>Ever appreciated complexity?, write a complex code instead of a simple one</i>			
Case Study	Prelims	11:00 to 13:00	CRC 101,102
<i>Analyze problems from different viewpoints and unleash your analytical skills.</i>			
Paper Plane Competition	Trials	11:00 to 13:00	SAC Bowl
Math Modeling	Finals	11:00 to 14:00	CRC First Floor
<i>Model a mathematical problem from a list of questions provided. 12th class mathematics only pre requisite!</i>			
Project X	-	11:00 to 15:30	SAC Gallery, Lobby
<i>Use your basic engineering skills to build innovative models using household resources</i>			
3D Animation Workshop (Batch B)	Session 3	11:30 to 13:30	CS DCF & Systems Lab

Video Conference with Yu-Chuang Kuek	Lecture	12:00 to 13:30	ICSR
<i>Vice President, ICANN ; Former Senior Director, Yahoo Inc.</i>			
A talk by Sudhakar Potukuchi from Eaton	Lecture	13:00 to 14:00	PhLt
DesMod (On Spot)	Finals	13:00 to 17:00	MDS CAD Lab
<i>Unleash your engineering skills, imagination and intuition and structure your ideas into well defined 3D models.</i>			
Puzzle Champ	Prelims 2	13:30 to 16:30	CRC 101,102
<i>The Mecca of puzzling enthusiasts: Two rounds of puzzling to test logic, reasoning and maths.</i>			
Ultimate Engineer	Finals	13:30 to 17:00	CRC Second Floor, CEC, CS Systems Lab
<i>Engineering across boundaries, test the engineer in you and battle to be crowned as the 'Ultimate Engineer'</i>			
Chemical X	Finals	14:00 to 16:00	CRC First Floor
<i>Using the knowledge of chemistry to answer questions ranging from kitchen to laboratory</i>			
Symposium (Pre Registered)	Mentoring Session	14:00 to 16:00	DOMS Conference Room
<i>A platform for students to meet and discuss issues of social relevance today</i>			
Bikash Sinha	Lecture	14:00 to 15:30	ICSR
<i>Padma Bhushan winner for his eminent contributions to Nuclear and High energy physics</i>			
Triathlon	Finals	14:30 to 17:20	CS DCF
<i>This is a programming event with questions ranging across different topics of Computer Science</i>			
Forensics	Finals	15:00 to 17:00	HSB Lawns
<i>Do you want be a real life Sherlock Holmes? Solve a murder mystery using forensics evidence</i>			
Ajit Narayan	Lecture	16:00 to 17:30	ICSR
<i>Inventor and entrepreneur with over 20 patents, who created Avaz-a speech generator for children with disabilities</i>			
Grand Finale (Robotics and Robowars)	Finals	16:00 to 21:00	SAC
<i>Get set for two hours of ultimate fun and extreme adrenaline rush as the best teams battle it out for the ultimate glory.</i>			
Case Study	Round 2	17:00 to 22:00	DOMS 101
<i>Analyze problems from different viewpoints and unleash your analytical skills.</i>			
Shaastra Main Quiz	Finals	20:00 to 24:00	CLT
Contraptions (Pre Registered)	Set up	21:30 to 18:00	SAC Stage, Bowl
<i>Innovate to complicate: Build a series of steps triggering one after the other.</i>			
Hackfest Workshop (Pre Registered)	Workshop	22:00 to 04:00	CS DCF
<i>Grab an opportunity to meet experienced mentors and develop Free Open Source Softwares.</i>			

Day 4 – January 7th

Event	Round	Time	Venue
Contraptions (Pre Registered) <i>Innovate to complicate: Build a series of steps triggering one after the other.</i>	Finals	00:00 to 17:00	SAC Stage, Bowl
Symposium (Pre Registered) <i>A platform for students to meet and discuss issues of social relevance today</i>	Finals	09:00 to 12:00	DOMS Conf Room
Code Obfuscation <i>Ever appreciated complexity?, write a complex code instead of a simple one</i>	Finals	09:00 to 12:00	CS DCF
DesMod <i>Unleash your engineering skills, imagination and intuition and structure your ideas into well defined 3D models.</i>	Finals	09:00 to 12:00	MRC
Puzzle Champ <i>The Mecca of puzzling enthusiasts: Two rounds of puzzling to test logic, reasoning and maths.</i>	Finals	09:00 to 12:30	CRC 102
Paper and Poster Presentation (Pre Registered) <i>A great platform for the amateur scientists to showcase their research work</i>	Finals	09:00 to 13:00	ESB Seminar Hall
Case Study	Finals	09:00 to 14:00	BT Seminar Hall
Shaastra Circuit Design Challenge (Pre Registered) <i>Platform for aspiring electrical engineers to unveil their circuit–designing skills.</i>	Finals	09:00 to 15:00	DOMS 401
Industry Defined Problem (IDP) - Ericson (Pre Registered) <i>Make an application/website for social benefit of the Chennai city</i>	Finals	09:00 to 16:00	Chem Seminar Hall
Paper and Poster Presentation (Pre Registered) <i>A great platform for the amateur scientists to showcase their research work</i>	Finals	09:00 to 17:00	ESB Seminar Hall
Junkyard Wars <i>Fuel your innovation with one of the biggest scrapheap challenges, giving life to junk.</i>	Finals	09:00 to 17:00	OAT-Sharav Road
Robotics Session by CVG	Session	09:30 to 12:00	CLT
Ajayan Pulickel <i>Professor of Nanotechnology at Rice University</i>	Lecture	10:00 to 11:30	ICSR
Sustainable Cityscape (Pre Registered) <i>Your chance to design your own sustainable and smart city</i>	Finals	10:00 to 14:00	DOMS 101

Project X	-	10:00 to 14:30	SAC Gallery, Lobby
<i>Use your basic engineering skills to build innovative models using household resources</i>			
Autonomous Robotics W/S (Pre Registered)	Workshop Batch 2	10:00 to 15:00	ESB 127, 129
<i>A workshop for building a robot that will follow</i>			
Exhibits from IGCAR and LaTrobe University	Exhibit	10:00 to 17:30	KV Ground
<i>Reactor technology based Exhibition; PaPeRo (Partner-type-Personal-Robot) from Australia</i>			
Richard Stallman (The founder of Free Software Movement)	Lecture	12:00 to 13:30	ICSR
Rubik's Cube Solving Workshop (Onspot Limited Registration)	Workshop	12:00 to 17:00	PHIt
<i>Learn to solve various types of Rubik's Cubes</i>			
Android Development W/S (Pre Registered)	Workshop Batch 2	12:30 to 17:30	CS DCF
<i>Learn to design, develop and manage android apps</i>			
Video Conference with Anant Agarwal (The President of EdX)	Lecture	14:00 to 15:30	ICSR
<i>Professor, Electrical and Computer Science Engg, MIT</i>			
Closing Ceremony		17:00 to 19:00	CLT