

MATHEMATICS (MA)

Take a Quiz, participate in a panel discussion and 'Talk to Professor' and a treasure hunt and watch a documentary.

MECHANICAL ENGINEERING (ME)

Quiz, Competitions (e.g. Mirror maze, Egg Suit, Paper Tower), Posters and demos of ongoing research, Cybicle (Reverse Cycle), Live Science demos (e.g. Water Rockets, Acoustics, Robots, Compliant Mechanism).

MICROBIOLOGY AND CELL BIOLOGY (MCB)

Posters on aspects of Microbiology, Virology, Molecular Biology, Cancer and Plant Biology.

MOLECULAR BIOPHYSICS UNIT (MBU)

Learn about X-ray diffraction by protein crystals, biomolecules, protein organisms, amino acids and more.

NATIONAL INSTITUTE OF ADVANCED STUDIES (NIAS)

Exhibition of projects made by school students (Drone for farmers, Smart stick for the visually impaired, Effect of music on the human brain and more), take part in Rapid chess and Math Blitz. Learn about NIAS Education for the Gifted and Talented children.

MOLECULAR REPRODUCTION DEVELOPMENT AND GENETICS (MRDG)

Posters showcasing the scientific research of the Department, Displays centered around cancer, developmental biology, genetics, cell signaling, reproductive biology, aging and metabolism and structural biology, Models/static displays of cells, plates, cultures etc. with video, Interactive games.

ORGANIC CHEMISTRY (OC)

Witness fun experiments on Hydrogen Balloons, Bleeding Vegetables, Burning Ice, Iodine Crackers and much more.

PHYSICS (PHY)

Observe the Stroboscopic effect, measure the speed of light using a microwave oven, learn about angular momentum, Standing waves and Lenz's law and much more.

ROBERT BOSCH CENTRE FOR CYBER PHYSICAL SYSTEMS (CPS)

Demos on Robots and Drones.

SOLID STATE AND STRUCTURAL CHEMISTRY UNIT (SSCU)

Experiments on Chemical Traffic Light, Tindal effect, Electricity from potatoes, Preparation of Nylon and Rayon and Young's double slit experiment and more.

SUPERCOMPUTER EDUCATION AND RESEARCH CENTRE (SERC)

SERC Museum of of Computer Hardware Archives, Posters on History of Computer Devices, Videos on Inside a Supercomputer Centre, Presentations, Demos and Videos on Supercomputing for Science, Engineering & Society.

CHILD MISSING

Call for Help: 080 22932225/2400

*Avail e-rikshaw facility to reach departments of interest

Make use of mobile toilets installed on the campus

EMERGENCY

Health Centre

Reception: 2293 2227/2234 (Office); Nursing: 2293 2390

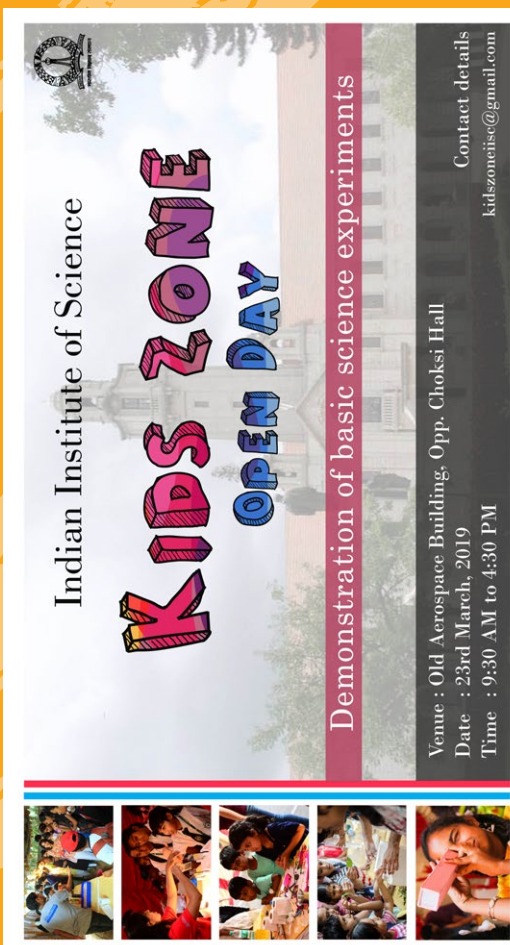
Santosh Staff Nurse (Male): 9164958467

Ambulance Van Drivers

Jagadish: 9008096930 and Mallaiah: 9731170742

Safety Officer (FIRE)


8722021990



Indian Institute of Science
KIDS ZONE
OPEN DAY
Demonstration of basic science experiments

Venue : Old Aerospace Building, Opp. Chokshi Hall
Date : 23rd March, 2019
Time : 9:30 AM to 4:30 PM

Contact details
kidszoneiisc@gmail.com



IISc
INDIAN INSTITUTE OF SCIENCE

OPEN DAY



23RD MARCH 2019
SATURDAY | 9 AM - 5 PM

LIVE EXPERIMENTS

POPULAR SCIENCE LECTURES

SCIENTIFIC DEMOS

EXHIBITIONS



Partner with us
for a **GREEN OPEN DAY**

Bring your own water bottles

Do not litter - Segregate your waste

Take a Walk through, **EXPLORE, EXPERIENCE AND ENJOY...**

To find your way around the campus,
download the free Google app 'Navigate@IISc'
www.iisc.ac.in

OPEN DAY 2019 AT IISc

AEROSPACE ENGINEERING (AE)

UAV Control, Rocket Launch Demo, Hypersonic Flows, Ultrasound in Inspection of Structures, Computer Simulation of Material Fracture, Materials with Memory, Design of Composite Structures, Fuel Injector droplet sizing, Laser Visualization inside gas turbine combustors.

ARCHIVES AND PUBLICATIONS CELL (APC)

Poster display: "JN TATA" in the Reception Hall, Main Building, IISc
Visit IIScPress stall for Books and Gifts, IIScPress Books, Centenary Medallion, Key Chain, Pen Drive, Mugs, Snippets and Post cards from Archives, Jute Bags, etc.,

BIOCHEMISTRY (BC)

Understanding everything from DNA, genomes, cancer, immunity to vaccines, parasites and viruses. Next generation drugs and extraction of plant and fungal natural products.

CENTRE FOR ATMOSPHERIC AND OCEANIC SCIENCES (CAOS)

Posters and videos on Atmosphere, Ocean and Climate, demos on Clouds, fluids and dye patterns.

CENTRE FOR BIOSYSTEMS SCIENCE AND ENGINEERING (BSSE)

Demos and activities showcasing a blend of Biology & Engineering to thrill inner curiosity your – External color of nature, feel the cell and its inner world and take someone's free will with a human-human interface.

CENTRE FOR BRAIN RESEARCH (CBR)

Demos and posters on genetic variations in DNA, Cognitive tests, dementia, Neuroimaging techniques and Genome INDIA.

CENTRE FOR CRYOGENIC TECHNOLOGY (CCT)

Understand Magnetic levitation, Lenz's law, Hoefler's Tube, Boyle's law, Charle's Law, Gay-Lussac's law.

CENTRE FOR EARTH SCIENCES (CEaS)

Explore the Rocks and Minerals Pavilion, the Fossil Pavilion, a cool display of the evolutionary history of life on Earth and much more. Take a Quiz.

CENTRE FOR ECOLOGICAL SCIENCES (CES)

Exhibits of live animals, documentaries, Nature walks & Treasure hunts & teaching of field ecology techniques like navigating with gps and tracking animals with radio telemetry.

CENTRE FOR HIGH ENERGY PHYSICS (CHEP)

Posters on the Large Hadron Collider, String theory and gravity. Watch videos on Neutrinos & Quantum Computing & dark matter.

CENTRE FOR INFECTIOUS DISEASES RESEARCH (CIDR)

Display of posters on various infectious diseases of relevance at present, infected and normal small animals used in research on Infectious Diseases, Relay of video on the working practices in a BSL3 lab, Microscopy.

CENTRE FOR INFRASTRUCTURE, SUSTAINABLE TRANSPORTATION AND URBAN PLANNING (CISTUP)

Traffic Games, Traffic Models display, Puzzles, Videos relating to transportation and take a Quiz.

CENTRE FOR NANOSCIENCE AND ENGINEERING (CeNSE)

Plenty of hands on activities ranging from electrical motors, chemical trees, smoke detectors, solar cars, optical waveguides to Acoustic levitation. Take a Quiz too.

CENTRE FOR NEUROSCIENCES (CNS) + PRIMATE RESEARCH LABORATORY (PRL)

Attend demos on the human brain, perception and illusion, and learn about memory and vision.

CENTRE FOR PRODUCT DESIGN & MANUFACTURING (CPDM)

See design proto types of several exciting technologies that will change the way you think! Shop at the exclusive CPDM merchandise store.

CENTRE FOR SUSTAINABLE TECHNOLOGIES (CST)

Live demonstration of Biomass-Gasifier, leaf based biogas plants and building integrated photovoltaic, new technologies for Grey water treatment, plasma activated water based plant growth system and ozone producing reactor, Workshop for kids: "Roshni" a DIY kit for lighting, Posters and models demonstrating on-going status of research in different sectors of sustainability at CST, Photowalk to highlight glorious past and impact made by various technologies of CST on society.

CHEMICAL ENGINEERING (CE)

Demos of several exciting hands on experiments ranging from Can surface tension beat Gravity, Pattern formation in Granular Media, Rod climbing effect, Leidenfrost effect, Lemon batteries.

CIVIL ENGINEERING (CIE)

Watch demos on aspects of structural engineering and learn about Geotechnical, Transportation and Environmental engineering. Take a Quiz.

COMPUTATIONAL AND DATA SCIENCES (CDS)

Lab Demos, Poster display, Talk by experts, Quizzes, Puzzles and Fun Games.

COMPUTER SCIENCE AND AUTOMATION (CSA)

Participate in Interactive demos, Technical Quizzes, Coding sessions and more.

DIVECHA CENTRE FOR CLIMATE CHANGE (DCCC)

Experiments on Laser beam propagation through the atmosphere: effects of scattering and turbulence, Water Quality testing, Interactive demo of 3D forest scan, Dual axis solar tracker and take a Quiz on climate change. Posters on Application of Drones for effective pesticide spraying, CO2 and global warming, Clouds and Himalayan Glaciers.

ELECTRICAL COMMUNICATION ENGINEERING (ECE)

TALKS & QUIZ (Venue: G J Hall) – talk on optics and photonics, school and college level Quizzes, demos and displays on Sensors, Quantum communication and Spatial modulation.

ELECTRICAL ENGINEERING (EE)

Visit the DSP, High Voltage, Computer Vision and several other labs.

ELECTRONIC SYSTEMS ENGINEERING (ESE)

Project display: Sky Dragon (Birds Eye view of IISc), Padmapada (National award winning project on robotics), Exoskeleton (Medical emergency handling Robot), Invisibility Cloak, Live B.P measurement without Battery.

ICTS-TIFR

Showcasing science exhibits and activity kits at the IISc Raman Building (ICTS-TIFR, Old Physics Building at IISc).

INORGANIC AND PHYSICAL CHEMISTRY (IPC)

Watch fun demos on chemical gardens, elephant toothpaste, water candles, fire works with ice and many more.

INSTRUMENTATION AND APPLIED PHYSICS (IAP)

See experiments related to total internal reflection and diffraction.

INTERDISCIPLINARY CENTRE FOR WATER RESEARCH (ICWaR)

Posters and Animations on Monsoon Low pressure Systems, Climate change impact on water, Wastewater Treatment, Isotopes in Hydrology and Models on Urban floods and water to your home and beyond.

JRD TATA MEMORIAL LIBRARY (LIB)

Take a Library tour, learn about library services, holdings and take a Quiz.

MANAGEMENT STUDIES (MS)

Play MAD Adds - A unique Business Game on products and their prices and participate in a Quiz on business and the Indian economy.

MATERIALS RESEARCH CENTRE (MRC)

Learn about isolation of DNA from strawberry, 3D printing for biomedical devices, Chemoluminescence and more.