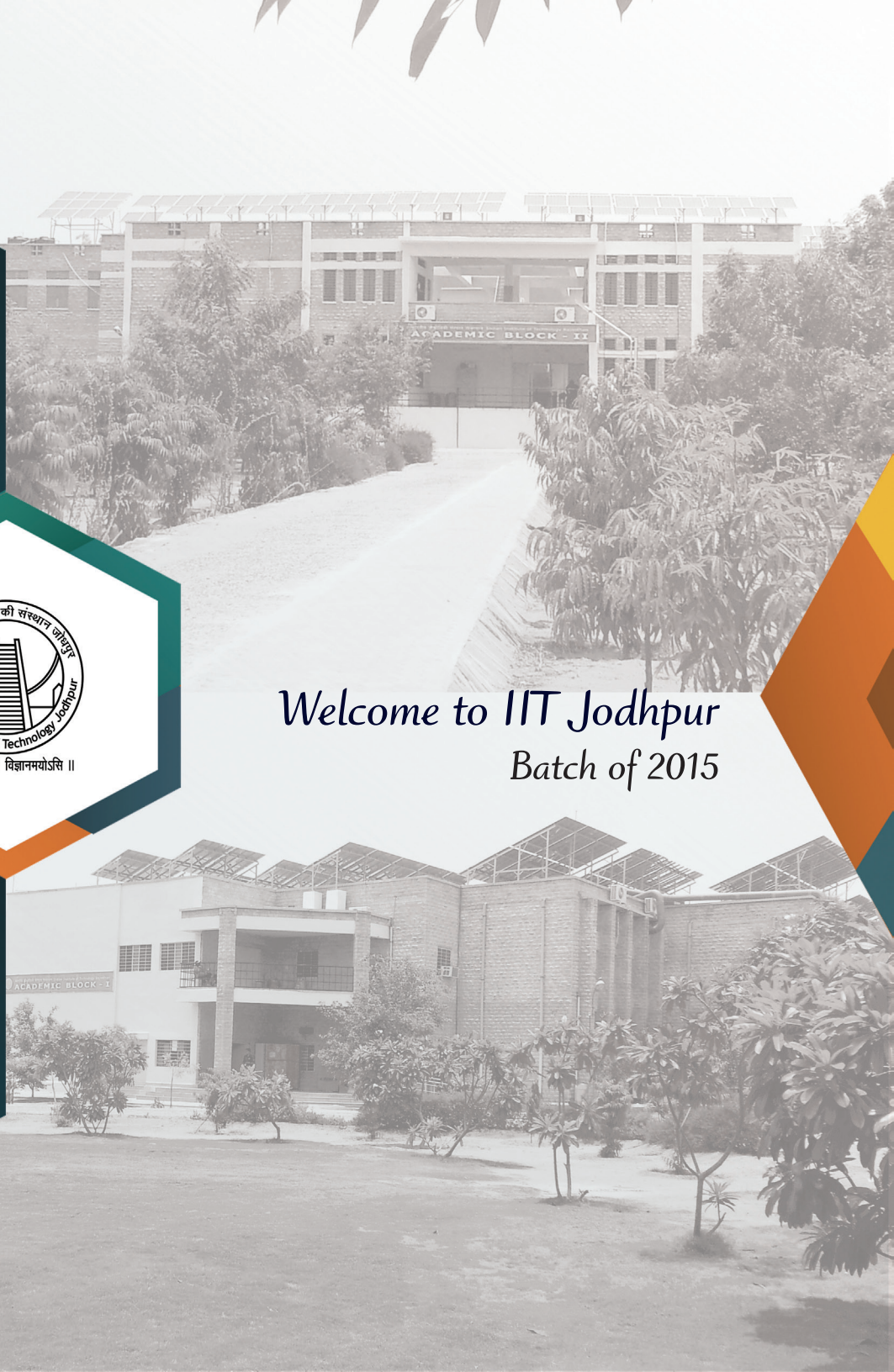

भारतीय प्रौद्योगिकी संस्थान जोधपुर
Indian Institute of Technology Jodhpur
॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

Welcome to IIT Jodhpur

Batch of 2015

भारतीय प्रौद्योगिकी संस्थान जोधपुर

Indian Institute of Technology Jodhpur

॥ त्वं ज्ञानमयो विज्ञानमयोऽसि ॥

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Welcome

Dear New Students,

A warm welcome to IIT Jodhpur!

As you step into the precincts of the Institute for the first time, it is important to assure that the steadfast commitment of the Institute to academic excellence matches only with its focus on nurturing your multi-dimensional talents. The Institute offers you ample opportunities and freedom to realize your aspirations. Further, adequate arrangements are made to address your concerns which can range from academic problems to homesickness. We encourage you to supplement your rigorous academic activity with active participation in extracurricular pursuits. Whether your interest be in sports, fine arts or literature, you will have ample opportunities to pursue them. At the same time, be constantly vigilant to ensure that you never deviate from the path leading to academic excellence. Please feel free to approach us whenever you encounter any difficulty. We have a team of faculty members, staff members and senior students who will ensure that your life at the Institute is hassle-free and productive.

V. Hari Narayanan
Coordinator Students

Welcome

Dear Students,

Congratulations on your admission to IIT Jodhpur!

IIT Jodhpur commenced in 2008 as a fledgling institute with three branches in the undergraduate program viz. Computer Science, Electrical Engineering, and Mechanical Engineering. Today it has evolved into an IIT that provides a unique academic structure with Industry Immersion Programs for Undergraduate and Postgraduate students. Currently, IIT Jodhpur partners with five leading Indian Industries namely Tata Motors Limited, Tata Power Limited, TVS Motor Company Limited, Mahindra and Mahindra limited, and Larsen and Toubro Limited for the Industry Immersion Program for Undergraduate students. In addition to this new initiative from July 2015 IIT Jodhpur is also starting two new M.Tech. Programs in Electrical and Mechanical Engineering; and three new M.Sc. Programs in Chemistry, Mathematics, and Physics. To facilitate your smooth transition to undergraduate and post graduate programs at IIT Jodhpur, all the Faculty Members and Staff Members along with student representatives are committed towards providing excellent academic environment and productive life to every new entrant. We encourage all the students to participate in inter-IIT and intra-IIT events for their holistic development. Besides, the city of Jodhpur also offers many recreational opportunities, diverse culture and social activities. Wishing you for a productive and colourful year ahead!

Atul Kumar
Coordiantor Academics

Welcome

Dear Students,

It is my pleasure to welcome you Indian Institute of Technology Jodhpur. IIT Jodhpur, established in the year 2008, has various streams in science and technology and also facilities in various research fields. The economic development of a country depends on the progress of Science and Technology. One must have aesthetic emotion towards learning, understanding the universe and cause of social disorderliness and its solution. The development of technology may draw upon many fields of knowledge including scientific, engineering, mathematical, linguistic and historical. The motto of our Institute is the upliftment of knowledge and promotion of innovative ideas. IIT Jodhpur is committed to provide all type of facilities and good environment for expanding intellect, forming character, increasing strength of mind that will focus on building a NEW INDIA, particularly in exporting Tecnology instead of importing, emphasising the thought “MAKE IN INDIA” Jodhpur City, popularly called SUNCITY as well as BLUE CITY attracts tourists from all over world with tales of antiquity, rich history and colourful unique culture and is ready to greet you with their sweet smiles and warm hospitality. It is a residential Institute and we encourage freedom within the frame of discipline. All types of sports facilities are provided and cultural events take place for your enjoyment, for enrichment of mind and for good health. We believe your stay in residential campus will be comfortable. Students coming out of the IITs are known to have acquired professional excellence in life, be it a matter of getting admissions for further studies in most prestigious universities aboard or getting employment in any reputed organisation in the world. IITIANs are always rated high. With every advancement on a path you gain easier access to its more advanced technologies and you will end up opening the door to the next ages. With good wishes to all, let me end here with the following lines;

“Face your past without regret, handle your present with confidence, prepare for the future without fear”…

Monika Sinha
Chairman
Counselling Services Committee

ORIENTATION PROGRAMME

The Orientation Programme is organized to introduce you to the various facets of life at IITJ. It has various sessions and activities by people from different sections of the Institute to give you a brief idea of what awaits you during the next 4 years of your stay at IITJ.

INTRODUCTION TO INSTITUTE AND ITS FACILITIES

The orientation programme begins by address from Director to students and parents. Following this, the students are addressed by Coordinator of Academic Affairs, Chairman of Wardens Committee to give them insight into academic and hostel rules of the Institute. The students are also addressed by Counselling Service Team and Gymkhana Secretaries to familiarize them with the student life & culture of IITJ. A library session is scheduled to introduce you to various resources- online and offline which our library holds. Departmental sessions will also take place to give you a better insight into the breadth and depth of your department.

ACADEMIC REGISTRATION

The academic registration for the new UG students is mandatory for all and will take place on 23rd July, 2015. The required documents for the same are available on the website cs.iitj.ac.in. There will be stalls of many banks where you can easily open your account on the day of academic registration. Kindly note that presence of parents is not essential for the above mentioned procedures. There will be separate sessions for the parents as mentioned below.

PROGRAMME FOR PARENTS

There would be separate interaction session for the parents with the Director and faculty members where they can clear all their concerns. Parents can also be a part of Institute introduction as mentioned above and can interact with the concerned authorities during that time. There will be an informal interactive session of the parents with the student Counselling team. All the parents are requested to attend these interactive sessions. Kindly note that there is no role of parents in any of the formalities after the first day of the Orientation, and therefore, we strongly discourage parents to stay after the first day.

RECREATIONAL ACTIVITIES AND VISITS

The Counselling team organizes recreational, fun activities and visits to places around Jodhpur so that you get to know your peers and your city in a better way. A full day is reserved for informal activities where you will team up with your batch-mates and indulge in some great activities.

THE INSTITUTE

INTRODUCTION

Indian Institute of Technology Jodhpur was established in 2008. The Institute is building its basic academic and infrastructure facilities in select advanced areas. In particular, the Institute offers programs in B.Tech, M.Tech, M.Sc and Ph.D. The Institute organizes its undergraduate degree programs through three departments, namely

- Computer Science & Engineering
- Electrical Engineering
- Mechanical Engineering

MISSION

The insititute shall

(1)Create a vibrant technology Institute that incubates and promotes learning, research, invention and eventually innovation; and

(2) Prepare each primary stakeholder towards their dharma, while continuing to adhere to the core values of the Institute:

(a)Students: Prepare competent technology graduates ready to meet grand challenges of India

(b)Staff Members: Train active functionaries of a process driven professional Institute;

(c)Faculty Members: Facilitate builders of an internationally competitive academic Institute; and

(d)Industries: Provide technology innovation as a force to as many industries as possible for economic value creation.

LOCATION

At present, IIT Jodhpur operates from two campuses, namely

• **Temporary Academic Campus:** It operates independently from the premises of Engineering College in Jodhpur, situated on the Old Residency Road, Ratanada, at a distance of about 4 km from the Jodhpur Railway Station and 3 km from the Jodhpur Airport.

•**Temporary Residential Campuses:** IIT Jodhpur has two residential campuses located at

(1)GPRA Residential Campus, Pali Road Jodhpur

(2) BSNL Residential Campus, Subhash Nagar, Jodhpur.

GPRA Campus is located at New Pali Road, about 14 km from the academic campus and provides accommodation to nearly 600 B.Tech. boy and all girl students. Also, it provides accommodation to nearly 150 other members of IIT community, including Faculty Members, Staff Members, and their family members. On the other hand, BSNL Campus is located in the heart of the city and provides accommodation to nearly 150 male M.Tech. and Ph.D. students. Limited housing is available on this campus for married students.

TEMPORARY ACADEMIC CAMPUS

Currently, the academic campus of IIT Jodhpur comprises of three blocks, namely:

Academic Block 1: It houses several laboratories, the library, a computer center and offices of some Faculty Members.

Academic Block 2: It comprises of lecture halls, classrooms and the multimedia lab.

Administrative Block: It comprises the Directorate, administrative offices, technical laboratories and offices of some Faculty Members.

In addtion, the academic campus consists of some temporary structure used for different purposes such as laboratories, office spaces and a library. IIT Jodhpur has established good academic facilities for teaching and research.

Laboratories and Research Facilities

IIT Jodhpur has established state-of-the-art teaching and research laboratories. These advanced laboratories have machinery and devices of international standard, which are actively used for deep understanding of technology and to develop innovative
and sustainable solution to the technological challenges being faced by world. The major laboratories include Robotics, Heat Transfer, Fluid Mechanics, Electro Mechanical Energy Conversion Laboratory, Electronic Circuit Laboratory, and Solar Radiation.

LIBRARY

The Library has a collection of about 10,000 volumes of books comprising of textbooks, research and reference books, monographs etc. In addition, the Library provides access to a range of electronic resources from professional and scholalry societies and publishers, such as American Society for Mechanical Engineers, Institute for Electrical & Electronics Engineers, and Association for Computing Machinery. Also, it subscribes to popular scientific, research and archival databases, like SciFinder, MathSciNet, JStor, Prowess, and EBSCO Academic Search.

The Library operates in a computerized environment with automated member & circulation services, and digital library services. Memberships, circulation, reference & information service, inter library loans & document lending services, current awareness service, digital library service are some of the important services that are presently offered. The Library is open from 9 am to 12 pm on all working days of the Institute. Webpage of the library is available at www.library.iitj.ac.in.

PERMANENT RESIDENTIAL CAMPUS

In the forthcoming years, IIT Jodhpur will shift to its sprawling state-of-the-art residential permanent campus on 852 acres of land located ~24 km away from the center of the city of Jodhpur on National Highway 65 towards Nagaur, N-NE from the center of Jodhpur. The permanent campus has 3 parcels of land. The Institute is finalising plans for adopting one for harvesting technologies.

The foundation stone for the permanent campus was laid on 16 April 2013 by the Hon. Union Minister for HRD(Government of India), Dr. M. M. Pallam Raju. The Permanent Campus of the Institute is being constructed. Work to build Phase 1 of the campus began in March 2015. When complete, it will be the first fully-planned technical Institute campus in India. More importantly, it will be an international exemplar of sustainability with strategies for ensuring NET ZERO ENERGY, WATER and WASTE. The other salient features of the Permanent Campus are:

•Campus, which is pedestrian oriented and bicycle dominant;

• Learning facilitated anywhere, anytime with wireless ICT backbone (including Multi-media enabled learning spaces with flexible, shared public spaces);

• Thermally comfortable smart buildings with GRIHA 4/5 star compliant buildings and GRIHA LD benchmark campus (including dense desert settlement morphology, low height buildings (up to a maximum of 3 storeys) built with low embodied energy materials, and improved local and traditional methods);

•Plantation with native species, soil stabilization, protection from dusty wind to arrest erosion, desertification, and building-up soil moisture over time;

• Rain water harvesting, and water reduction and sewage recycling, together greening the site over time;

• Segregated wastes and customized recycling.

The first migrations into the campus are likely to take place by early July 2016.

TEMPORARY RESIDENTIAL CAMPUSES

GPRA Residential Campus

The major residential area is in a scenic campus located on New Pali Road, VivekVihar, Jodhpur, about 15 kms from the railway station. The campus is well guarded and equipped with basic amenities including Wi-Fi, recreational rooms, park and a computer center. Also, the residential campus provides accommodation for Faculty Members and Staff Members of the Institute. Transport facility is available between the Institute and Residential campus and also between market and residential campus. The hostel rooms are available on a sharing basis. All undergraduate students are bound to stay in the hostels while the postgraduate students can stay outside.

BSNL Residential Campus

The second residential campus is located in BSNL Colony on Pal Link Road in Subhash Nagar. Basic common facilities are available at BSNL colony. Transport facility is available between the Institute and BSNL Campus. All male M.Tech. and Ph.D. and some married students are given accommodation in this residential campus.

Facilities:

Following are some basic facilities made available in the residential areas:

ATM & Bank: The residential area has a branch of SBI (State Bank of India) as well as ATM of SBI, enabling students to make transactions with ease. There are several other banks namely UCO, HDFC and SBBJ close to the academic area.

Canteen: There are 2 canteens, one at residential area and the other one in academic campus. They facilitate good fast food, fresh juices and various other snacks for the students.

Gymnasium: A full fledged, well equipped gymnasium is present in the residential campus which runs from 5:00 am to 10:00 pm. A student can avail all the facilities to stay healthy and to maintain his/her physique.

Dining Facilities : There are two separate mess, one in the residential area and the other one in the academic campus. The mess offers good quality food, regularly monitored by the wardens for hygiene and nutritional values, and at very affordable cost.

Shops: Shops catering to the various needs of students, like stationery, general stores, medical stores, computer accessories, electrical hardware, bakery, etc. are present near the academic area of the campus. There are also two general stores, a medical store, barber, stationery and a mobile phone accessories store opposite the residential area.

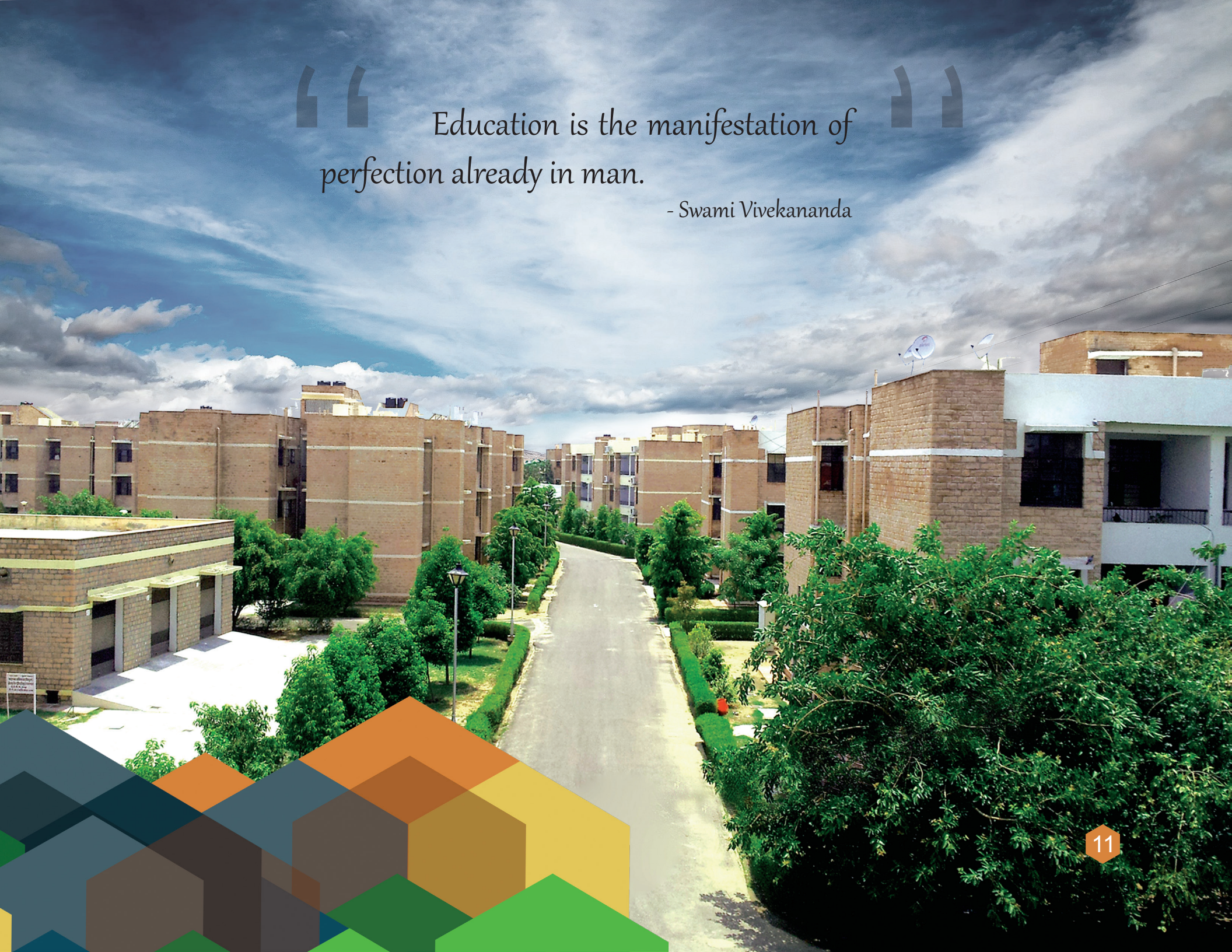
Transport Services : The Institute has a bus service running between the Residential and Academic area at regular intervals, exclusively for the students, faculty and staff of the Institute. Located in the heart of Jodhpur, the academic campus is easily connected to other parts of the city.

Entertainment Room: Every hostel consists of recreation facilities (like TV Rooms,students can enjoy matches and watch movies) along with indoor games (like table tennis, chess and carom).

Medical Services

The Residential Campuses have Health Centers for providing routine health services. Dueto geographical locations of the two Campuses and the type of the residents, Health Center at GPRA Campus provides services to the patients round the clock, while medical services are available at BSNL Campus for limited hours in the evening, typically from 5 pm to 10 pm. In addition to the availability of medical services at Residential Campuses, medical assistance is available at Academic Campus. This assistance is normally provided from 3 pm to 4.30 pm, when laboratory sessions are in full swing and medical assistance may be required. The Institute has its ambulance services available round-the-clock.

Besides the Health Centers, the Institute has empanelled five hospitals in the city of Jodhpur. Two of these hospitals have specializations in ophthalmology and one in orthopedic, and the remaining two hospitals are the best known general purpose hospitals in the city. For specialized medical attention doctors at our Health Centers refer patients to one of these hospitals. In addition to these five hospitals, the city has a Medical College and three hospitals run by Government of Rajasthan. Also, the city has All India Institute of Medical Sciences (AIIMS), which is nearly 12 km GPRA Campus and nearly 5 km from BSNL Campus. Also, the Institute has constituted a Medical Board consisting of Senior Doctors from the Medical College and the AIIMS; advice is taken for enhancement of medical services of the Health Centers and in critical medical cases. IIT Jodhpur has empanelled two hospitals in Jaipur. These two hospitals are credited by National Accreditation Board for Hospitals & Healthcare, and patients can be referred to these hospitals as per the need of the treatment.



"Education is the manifestation of perfection already in man."

- Swami Vivekananda

ACADEMICS

The Institute is building its basic academic and infrastructure facilities in select advanced areas. In particular, the Institute organizes its academic programmes through eight departments, namely

- Biology
- Chemistry,
- Computer Science and Engineering,
- Electrical Engineering,
- Humanities and Social Sciences,
- Mathematics,
- Mechanical Engineering, and
- Physics.

Undergraduate Programmes

Four-Year Bachelor of Technology (B.Tech.) programmes are offered in

- Computer Science and Engineering
- Electrical Engineering
- Mechanical Engineering

Postgraduate Programmes

Two-Year Master of Technology (M.Tech.) programmes are offered in

- Electrical Engineering
- Mechanical Engineering

Two-Year Master of Science (M.Sc.) programmes are offered in

- Chemistry
- Mathematics
- Physics

Doctor of Philosophy (Ph.D) programmes are offered in

- Biology
- Chemistry,
- Computer Science and Engineering,
- Electrical Engineering,
- Humanities and Social Sciences,
- Mathematics,
- Mechanical Engineering, and
- Physics.

ACADEMIC SESSION

IIT Jodhpur follows a semester system. An academic year from July to April consists of two semesters. Each of the two semesters consists of 16 weeks with one week of midterm recess.

Semester I: From the last week of July to the last week of November.
Semester II: From the last week of December to the last week of April.

TEACHING AND EVALUATION

The evaluation of students in a course is a continuous process and is based on their performance in various examinations, quizzes/ short tests, tutorials, assignments, laboratory work (if any), as well as attendance in the classes.

GRADING SYSTEM

Grades and Grade Points - At the end of each semester, the student is awarded a letter grade in each of his/her courses based on his/her performance in the various examinations, quizzes, assignments, laboratory work as well as attendance in the classes. The letter grades and their numerical equivalents on a 10-point scale (called Grade Points) are as follows

Letter Grade:	A	B	C	D	F
Grade Point:	10	8	6	4	0

In addition, I, S and X, letter grades may be awarded for Incomplete, Satisfactory and Unsatisfactory performance, respectively.

Semester Grade Point Average (SGPA) is a weighted average of the grade points earned by a student in all the courses credited and describes his/ her academic performance in a semester.

Cumulative Grade Point Average (CGPA) indicates the overall academic performance of a student in all the courses registered up to and including the latest completed semester/summer term.

MERIT- CUM- MEANS SCHOLARSHIP (MCM)

This is an initiative taken by the Institute to help students who deserve special consideration.

Criteria (for all category students): Annual income for student's parents/guardians and his family from all sources in the preceding financial year must not exceed Rs. 6 Lakhs.

Eligibility

For General and OBC students

- Students in first year: Minimum 60% of aggregate marks in 12th standard
- Second year onwards: A minimum CGPA of 6.5 is required and no fail grades in any of the courses

For SC/ST students

- Students in first year: Minimum 55% of aggregate marks in 12th standard
- Second year onwards: No fail grades in any of the courses

BRANCH CHANGE RULES

A student may apply for a change of branch after the results of the second semester are announced. Changing of branch will be permitted strictly in the order of merit as determined by the Cumulative Grade Point Average (CGPA) at the end of the second semester. In case of a tie, the JEE rank of the applicants will be considered.

1. Eligibility Criteria

a) The CGPA at the end of the second semester should be:

i. Greater than or equal to 7.0 for SC/ST applicants

ii. Greater than or equal to 8.0 for other applicants

b) The student should have passed all the courses till second semester (including the courses in which S/X grades are awarded).

2. Strength Constraints

No branch may exceed 105% of sanctioned strength or fall below 90% of its existing strength as a result of branch changes.

TRAINING AND PLACEMENT

The Office of Student Placement provides assistance to students towards their career placements and internships. Also, they impart training to students to make them fit to face the world. The placement office aims at enhancing the skills of an individual for his/her success in interviews and overall grooming of the students. The prime focus of the office is to construct a bridge between the students and the corporate world, to facilitate a smooth transition from college life to professional life. Training sessions are organized to improve verbal skills, linguistics skills, soft skills and reasoning skills that equip the students to face the world.

CODE OF CONDUCT

Each student shall conduct himself/herself in a manner befitting his/her association with an Institute of national importance. He/she is expected not to indulge in any activity which is likely to tarnish the image of the Institute. He/ She should also show due respect and courtesy to the teachers, administrators, officers and employees of the Institute, and good neighborly behavior to fellow students. Due attention and courtesy is to be paid to visitors to the Institute and residents of the Campus.

Lack of courtesy and decorum, unbecoming conduct (both within and outside the Institute), indulgence in acts of violence, use of illegal substances, willful damage and/or removal of Institute property or belongings of fellow students, disturbing others in their studies, adoption of unfair means during examinations, plagiarism, breach of rules and regulations of the Institute, noisy and unseemly behavior and similar other undesirable activities shall constitute violation of the Code of Conduct for students. As per the Supreme Court order, ragging in any form is strictly prohibited and is considered a serious offense.

Also, "**Use of Internet to malign the character or hurt the self respect of any individual will be considered equivalent to ragging and would attract severe punishment.**"

** Please refer to the full text of the Code of Conduct available at the Institute website*

DEPARTMENTS

DEPARTMENT OF BIOLOGY

The department offers B.Tech. (Biologically Inspired System Science) and Ph.D. Program with specialisation in Biology, and in Biologically Inspired System Science. It has some state-of-the-art laboratory and research facilities.

Programs

The Department of Biology offers two degree programs, namely:

(a) B.Tech. (BISS) Program (with intake of students up to the batch of 2014-15), and

(b) Ph.D. Program with specialisation in Biology or Biologically Inspired System Science.

Laboratories and Facilities

The Department of Biology has the following laboratories for teaching and research purposes:

(1) Advanced Bioscience & Neuroscience Laboratory

(2) Chemical Biology Laboratory

(3) Protein Engineering Laboratory

(4) Environmental Biotechnology Laboratory

DEPARTMENT OF CHEMISTRY

Chemistry at IIT Jodhpur is where Chemistry sees technology. At IIT Jodhpur, Chemistry embraces a distinctive locus in science and technology collaboration. The department is making technological contribution to new materials for energy solutions, catalysis and water. Fundamental understanding of chemical dynamics, biological phenomena, Nuclear Magnetic Resonance and Quantum Chemistry are growing in prominence. The vision of the Department of Chemistry is to strive to be acknowledged for excellence in teaching, research, and outreach.

Programs

The Department of Chemistry hosts two degree Programs, namely:

(1) M.Sc. (Chemistry) Program, and

(2) Ph.D. Program with specialisation in Chemistry.

Research Areas

With an interdisciplinary approach that combines sciences and engineering, the research activities of the centre fall under four different areas namely

- Solar thermal : design and analysis (collectors, receivers and other sub-systems)
- Material design and fabrication
- Smart grid for photovoltaic and solar thermal
- Structural Dynamics and Design

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Department offers B.Tech. (Computer Science & Engineering) and Ph.D. Program with specialisation in Computer Science & Engineering. It has some state-of-the-art laboratory and research facilities.

Programs

The Department of Computer Science and Engineering hosts two degree Programs, namely:

(1) B.Tech. (CSE) Program, and

(2) Ph.D. Program with specialisation in Computer Science & Engineering, and Information & Communication Technology.

Laboratories and Facilities

The Department of Computer Science & Engineering has the following laboratories for teaching and research purposes:

(1) Multimedia Laboratory

(2) Networking Technologies Laboratory

DEPARTMENT OF ELECTRICAL ENGINEERING

The Department offers B.Tech. (Electrical Engineering), M.Tech. (Electrical Engineering) and Ph.D. Program with specialisation in Electrical Engineering. It has some state-of-the-art laboratory and research facilities.

Programs

The Department of Electrical Engineering hosts three degree Programs, namely:

(a) B.Tech. (EE) Program,

(b)M.Tech. (EE) Program, and

(c)Ph.D. Program with specialisation in Electrical Engineering.

Laboratories and Facilities

The Department of Electrical Engineering has the following laboratories for teaching and research purposes:

(1)Control / DSP / Microprocessor Laboratory

(2)Electronic Circuit Laboratory

(3)Instrumentation & Communication Laboratory

(4)Power Electronics Laboratory

(5)Robotics Laboratory

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

The Department of Humanities and Social Sciences operates from spaces that give us an opportunity to act as an interface between empirical and experiential knowledge systems. The ability to provide tools and skills for specific aims not withstanding, the essence of Humanities and Social Sciences involves the sensitizing of individuals. Acting as facilitators, thus, we engage in meaningful interactions with students and help them witness, study, and understand the interplays among technology, society, and humanity. This task assumes even more significance in an educational context where the brightest young minds of India come together.
With faculty members who specialize in diverse disciplines including Philosophy, Economics, Psychology and Literature; students from a spectrum of backgrounds, the Department provides an enriching platform -where technical education can be complemented with human and social understanding.

Programs

The Department of Humanities & Social Sciences hosts one degree Program, namely:

(a) Ph.D. Program with specialisation in Humanities & Social Sciences.

Laboratories and Facilities

The Department of Humanities & Social Sciences has the following laboratory for the benefit of students:

(1)Digital Language Laboratory

DEPARTMENT OF MATHEMATICS

Mathematics, being the basis of many disciplines, is a subject that evolves with time and create new theories and models to solve challenging problems of today. Since its inception, the department has been taking a leading role in developing new methods and models that can be used in diverse areas of computer science, engineering and basic sciences. The department has faculty with research interests in the areas of Mathematical Physics, Scientific Computation, Numerical Analysis, Differential Equations, Topological Dynamics, Low Dimensional Chaos, Dynamical Systems, Renormalization in Low-dimensional dynamics, Wavelet Analysis, Fractional Transform Theory, Image Processing, Financial Risk Analysis, and Categorical Data Analysis.

Programs

The Department of Mathematics hosts the following degree Programs, namely:

(a) B.Tech. (System Science) Program,

(b) M.Sc. (Mathematics) Program, and

(c) Ph.D. Program with specialisation in Mathematics.

DEPARTMENT OF MECHANICAL ENGINEERING

The desire to contribute to national and global causes such as the solar mission and climate change is at the heart of the academic activities carried out within the Mechanical Engineering department at IIT Jodhpur. Several application domains of interest in Mechanical Engineering such as solar energy, automotive technologies and health, motivate the Students, Staff and Faculty Members. The main objective of the academic programs is to build capacity and capability necessary to make the nation competitive in the globalized world. The students shall also be made aware of professional skills such as seeking patentable innovations, taking up technology transfer tasks and active collaboration with industrial partners.

Programs

The Department of Mechanical Engineering hosts three degree Programs, namely:

(1) B.Tech. (ME) Program,
(2) M.Tech. (ME) Program, and
(3) Ph.D. Program with specialisation in Mechanical Engineering.

Laboratories and Facilities

The Department of Mechanical Engineering has the following laboratories for teaching and research purposes:

(1)Advanced Manufacturing Laboratory
(2)Central Workshop
(3)Energy Conversion Laboratory
(4)Fluid Mechanics & Heat Transfer Laboratory
(5)High Temprature Solar Thermal Laboratory
(6)Matarial Testing & Solid Mechanics Laboratory
(7)Renewable Energy Laboratory
(8)Solar Radiation Laboratory
(9)Dynamics & Vibration Laboratory

DEPARTMENT OF PHYSICS

A visible research in fundamental Physics along with its applications is the major theme of Physics Department at IIT Jodhpur. The Faculty members carry out research in the field of Astrophysics, Condensed Matter Physics & Material Science, Particle Physics, Experimental and Theoretical Quantum Optics, Quantum Information and Foundations of Quantum Mechanics. The research facilities available in the department include SQUID magnetometer, Physics Property Measurement Systems (PPMS), Raman Spectrometer and Scanning Tunnelling Microscope (STM).

Programs

The Department of Physics hosts two degree Programs, namely:

(a) M.Sc. (Physics) Program, and

(b) Ph.D. Program with specialisation in Physics.

Laboratories and Facilities

The Department of Physics has the following laboratories for teaching and research purposes:

(1)Physics Laboratory

(2)Magnetic Property Measurement System

(3)Materials Analysis Laboratory

(4)Biomolecular Information Processing Laboratory

COUNSELLING SERVICE

The Counselling Service Team consists of faculty members and 22 students bestowed to work for welfare of students. A Student guides are the backbone of this Team, with every guide taking 8-10 freshers under his/her vision and guidance.

Among the very first duties of this team, is to organize the Orientation Programme. This is especially tailored to bring the freshers up to speed with life in Institute, while maintaining a homely feel, and gently enabling the transition into this Institute.

The Student Guide makes sure that the student adjusts well in the hostel and in his academic life and as a part of this he keeps in continuous touch with the student and his/her family. We, as a team, ensure that not only the student, but his/her parents too get the opportunity to interact with the Student Guide, to maintain a healthy relationship. As part of this Counselling, it is the duty of the team to promote development of the student in all three aspects of the college tenure:

(a)Academics

(b)Extra-Curricular

(c)Personal

For this, there is voluntary confidential and free counselling for a wide range of issues that include:

(a)**Academic support**: Provides information about the different academic programs of the Institute, imparting efficient time management skills and study skills;

(b)**Handling personal grievances** : Overcoming homesickness, adjustment to the new environment and related difficulties;

(c)**Counselling advocacy**: Psycho-education and referral services to students;

(d)Interaction with the Institute and the existing body of students; and

(e)Encourages students to discover their extra-curricular interests/hobbies.

The Counselling Service has been an integral part of the Institute since its inception. Every year, it strives hard to ensure that every student gets to know IITJ at its most intricate levels, and absorb all that the Institute has to offer. We look forward to have a great bond with you.

Counselling service also focuses on the concerns and difficulties of the students by providing personal guidance to deal with problems arising during their college tenure. The following activities are undertaken by the counseling services:

(a) Maintaining the Institute as a ragging free campus.

(b) Organizing Orientation Program for the fresher's batch every academic session so as to get them acquanted with the culture of IIT Jodhpur.

(c) Organizing workshops related to:

- (1) Career counselling
- (2) Stress management
- (3) Time management
- (4) Health care and hygiene
- (5) Vocational training
- (6) Relationship problems
- (7) Cope with homesickness
- (8) Addiction and others

(d) Conducting motivation talks by eminent speakers.

(e) Addressing the academic problems of the students by conducting:

- (1) English language sessions for students from non-English background.
- (2) Basic IT skills sessions etc.

From 2014 onwards, Counseling Service launched Campus Mentoring System. A group of students are associated with one Faculty Member and one Staff Member, who in turn act as the Mentors of the students.

COUNSELLING SERVICE TEAM

Faculty Advisor
Monika Sinha

Students
Student head- Counselling Service Team (Undergraduate Programme)
• Aditya Khandelwal (8386837422)
• Purvi Tiwari (9799967073)

Student Assisstant Heads- Counselling Service Team
• Achyut Joshi (9799648229)
•Himanshu Sikaria (8107693386)
• Vaibhav Paliwal (9587680802)
• Anirudh Vyas (8107405095)
• Ujjwal Anand (9782053884)
• Vrushali Sisodiya (8854804315)

Student Guides
• Abhinav Rai
• Archil Kumar Shrivastava
• Himanshu Verma
• Manoj Malviya
• Shubham Shinde
• Abhishek Sharma
• Archit Sharma
• Kumar Venkateshwar
• Mansi Mittal
• Shubham Jain
• Angad Singh Sabherwal
• Dhruv Sharma
• Mahak Jain
• Rishabh Bhardwaj

http://cs.iitj.ac.in

STUDENTS' GYMKHANA, IIT JODHPUR

|| आत्म दीपो भव ||

Students' Gymkhana

Hello Friends,

My heartiest congratulations to all of you and a very warm welcome to IIT Jodhpur family!!

Indian Institute of Technology, Jodhpur – A home away from home, provides you infinite opportunities to learn and excel in life. Our Institute gives us world class education to become technologists and scientists, to solve the technological challenges of the country. Apart from excellent academic facilities we have various student activities for overall development of students. Students' Gymkhana is the governing body that looks after the same and actively works towards holistic development of students.

Here we have inter-collegiate national level sports, cultural and technical festivals all of which helps in interaction with students from various colleges across the country and eminent personalities in the respective fields. Social society here will make you understand about the problems faced by the society and the less fortunate ones and encourage you to solve them in ways you seem fit. Here you can get an exposure to diverse activities, be it technical, cultural or sports.

You will find your life here. I can surely say that after the completion of your course you all will become motivated leaders, dedicated team workers, efficient organizers and good citizens of India. Come here to experience the best student's life.

Best wishes,

Raghavendar Goud Balla

THE ACADEMIC, RESEARCH & MANAGEMENT AFFAIRS SOCIETY

Each problem that I solved became a rule, which served afterwards to solve other problems.

- Rene Descartes

The Academic, Research & Management Affairs Society (A.R.M) acts as a platform for all activities regarding Academics & Research and overall personality development of students. The society aims to make students proficient academically be it in core or non-core domain and encourage research & academic activities in Institute. The society organizes events like personality development sessions and promote awareness about academics and research opportunities.

CELLS:

Public Speaking and Personality Development Cell:

• Public Speaking and Personality Development Cell aims to foster soft skills within the students of IIT Jodhpur leading to effective personality development of students.

• The cell aims to conduct regular sessions by experienced professionals which focus on public speaking and personality development of the students.

Academic Grievances Cell:

• The members of Student Representative Committee(SRC) are the ex-officio member of this cell and this will function to deal with the academic problems of all the students.

• The members of the cell are representatives in Institute and ensure that they will act as a medium of communication between students and administration.

Research Promotion and Career Cell:

• The cell organizes activities to promote Research activities in the Institute and spread awareness about the same.

• It conducts workshops and events on these topics and organizes sessions to improve proficiency in frequently used softwares and other related skills.

Management Cell:

• The cell works with a vision to facilitate students who wish to pursue their interest in non-core fields like Finance, Marketing, Consulting etc.

• It organizes lectures and events to acquaint students with knowledge in this field and associates with organizations that excel in these fronts.

THE MEDIA, ARTS AND DESIGN SOCIETY

"Every child is an artist, the problem is staying an artist when you grow up."

- Pablo Picasso

Engineers are expected to be innovative in order to provide solutions to the problems challenging every system and we believe that creativity is a very important ingredient in the recipe for innovation.

Anybody can plan weird; that is easy. What`s hard is to be simple. Making the simple, awesomely simple, that is creativity.So we, at Media Arts and Design Society, aim at discovering and polishing the creative abilities of the students and help them realize their interests and talents.Moreover we help students in realizing them their artistic talents for we believe that we are surrounded by art and it is an inevitable component in accomplishing any task.

Animatrons (The Animation Club)

The work in this club involves fun backed by technology. We work on creating Motion Animation, Software Animation, pixilation, paper animation, 2D and 3D graphics animation and flash light animation. We work on softwares like MAYA and ADOBE FLASH to create a digital world and then giving a direction of motion to it. Workshops and internal teaching sessions are conducted to get the members acquainted with the stuff.

Ateliers (The Fine Arts Club)

This club allows you to use a limited number of available shades to merge with your imagination embedded with passion, in order to create infinite shades, be it in painting or sketching. Members are acquainted with basics through a series of workshops and competitions in fine or decorative arts.We organize a lot of activities of interest like painting, sketching, glass etching, face and T-shirt painting, wax carving, graffiti workshops etc. This club gives shape to various festivals of IIT Jodhpur. Ateliers also take part in various inter-college cultural fest.

Designerds

The club works on digitally printing out your imagination. The members start from scratch and come up with various patterns, designs and logos. Softwares we work on include Adobe Photoshop, Corel Draw, Adobe Illustrator. Members actively take part in competitions organized during various fests and have been securing one of top 3 ranks for a couple of years.

Frame-X (The Film Making and Video-Editing Club)

The club works on making short movies on topics which require serious attention. For the fun part we consistently make spoofs and short funny videos which include a nice and learning experience. Sophisticated softwares like Adobe After Effects, Sony Vegas and Adobe Premier Pro are used for the tasks involved. We consistently and actively take part in inter college fests to check our performance with the outside world.Moreover the club also holds the responsibility of doing all the video graphic media coverage in various activities and fests of the Institute.

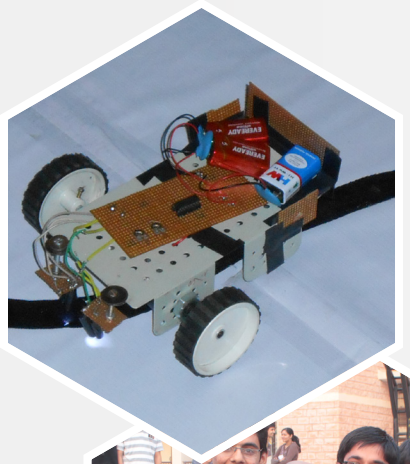
Porta Talkies (The Movie Screening Club)

The desire of whole IIT Jodhpur to sit together cherish the momentstogether is fulfilled by this club by screening matches and movies on demand.

Shutterbugs (The Photography and Photo-editing Club)

The club consistently conducts workshops on Photoshop and provides hands on experience on technically sound semipro DSLR Cameras by organizing shoots and photo walks.We are currently having three cameras :Canon 1000D ; Canon 550D ; Canon 650D. We work on softwares like Adobe Photoshop, Adobe Lightroom for stuffs like post-processing , making composites and image manipulation. Moreover the club also holds the responsibility of doing all the photographic media coverage in various activities and fests of the college.

Email-ID : mad@iitj.ac.in



THE TECHNICAL SOCIETY

With the thought “Imagination is more important than knowledge”, the Technical society of IIT Jodhpur provides you an opportunity to think beyond the conventional boundaries of science, to explore yourselves, to realize your dreams and develop the technology for the next generation. The following clubs operate under this society:

Aero Modelling Club

Essentially the Aeromodelling Club is a group for aviation and Aeromodelling enthusiasts in the Institute. Here, you will have an opportunity to make rockets, gliders, planes, hovercrafts and fly them up.

Currently the club is using SOLIDWORKS for designing cad models and Aerofly deluxe for rc simulation of the model. Previously the club has made Rc planes, hovercrafts, ornithopter, autogyro, balsa gliders and water rockets. The activities of the club include lectures and workshops on various Aeromodelling and aviation topics and working on small projects.

Astronomy Club

With observatory nights held fortnightly, you get a chance to take a voyage of the universe when you get to see those rings of Saturn, moons around the Jupiter etc.!!! Regular lectures and discussions are held to help students develop a better understanding of those mysterious forces in nature. We use Starchart App (Available for free in Playstore) and Stellarium software to study star maps. The club currently has three fully functioning telescopes. The club made a record at the Inter IIT Tech Meet 2014 by detecting 72 objects in the overnight observatory competition “The Messier Marathon”

Automobile Club

The Automobile club has its vision strong and straight, to bring all the automobile enthusiasts together at a place where they can meet, discuss, learn and work towards their paramount passion i.e. Automobiles. The club is associated with an international body Society of Automative Engineers(SAE) and has its own Collegiate Club registered with them. The members of club works on software like SolidWorks, ANSYS, CATIA, Lotus, AutoCAD and is planning to include Creo, Hyperworks into its skills. The club has been active in various national level activities under SAE like Efficycle and BAJA.

Electronics Club

Electronics club is for all those electronic maniacs who love to play with the circuits. It is here that you will get to design and play with electronic circuits. The members of the club develop skills like working on mini computers (such as beagle bone, Raspberry pi). You will get to learn about both analog as well as digital electronics through various lectures and competitions organized throughout the year. Every year, the club participates in Texas Instruments Innovation Challenge. Autofire Module, Multi-device controlling Remote using RF Technology, Digital Clock, Traffic Control System and others.

Programming and Web Development Club

This is probably one of the coolest club of the college. If you see 1's and 0's or if you see algorithms flowing around or if you find coding fun then this club is for you. With regular lectures, competitions and winter coding camp you will get a chance to learn from people around you and improve your coding skills. You will be sitting with a group of like-minded people preparing for national level coding competition ACM ICPC, Google Code Jam, preparing a cryptography competition for IITJ Junta or constantly involved into developing websites for our fests IGNUS and VARCHAS.

Robotics Club

The students of this club are passionate about developing a machine that has got its own brain. With everyone getting fascinated by robots, robotics club has become a center of attraction for the students. Regular lectures and workshops are conducted to provide students a hand on experience on technologies such as DTMF, image processing, motion sensing etc. The club participated in IIT Bombay Techfest and worked on projects like All-Terrain Robot, Multimedia Glove, Hexapod Robot, Hand Gesture Robot, Maze Solving Robot etc.

Science Club

Science Club is not concerned with a particular domain. It gives source to turn the innovative ideas which are not confined to a specific domain, to create zeal of science among students through interesting activities. Here they apply their general science knowledge to make practical models. Science club works on basic technologies and software in which no field specific knowledge is required. For example: Rube Goldberg: where basic science is sufficient to design that model, Rubik's cube, computer tips and tricks etc.

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THE SPORTS SOCIETY

"The will to win is important, but the will to prepare is vital."

Sports are known for producing the most remarkable athletes, colourful characters, influential leaders and memorable heroes. IIT Jodhpur Sports Society reflects the same spirit of introducing sporting activities to the campus community. This society aims to promote sports and exercise in the true spirit of sportsmanship and motivate students to work with team spirit. We strive and endeavour to inculcate and introduce this essential activity as a part of the daily decorum in every student's life. We at IITJ believe in bringing out and encouraging the sports person in each one of you under the guidance of professional coaches and with best sporting facility.

"The strength of the team is each individual member. The strength of each member is the team."

Individuals can be strong on their own but they are much stronger in a team. Victory achieved alone can be sweet but there is nothing sweeter than sharing that moment with your team. One of the rare times in life one learns to play with his friends and some of his enemies and yet respect each one of them for the innate respect of the sport. That is the essence of introducing sports in a student's life to instil the quality of vigour, pride, sacrifice and strive.

INTER - IIT SPORTS MEET:

Inter-IIT Championship title is the holy-grail in the whole IITJ family. It is the sacred place where every sports student is given the opportunity to showcase her/his talent in respective sports and to wear the Institute jersey and run around the grounds representing the glorified history of respective IITs along with the responsibility to continue the legacy. Every Inter IIT player has this unique urge to win the game for the pride and the honour of the Institute, for the blood, the tears and the sweat to make a team and to earn the spot.

Institute Representation at Inter IIT Sports Meet:
The Institute has representation in the following sports at Inter-IIT Students Sport Meet

- Aquatics
- Athletics
- Badminton
- Basketball
- Cricket
- Football
- Hockey
- Lawn tennis
- Squash
- Swimming
- Table tennis
- Volleyball
- Weightlifting

The Institute has many sporting events lined up throughout the year which act as a platform to showcase your talent and to keep the adrenaline levels racing.

KRIDANSH/General Championship (GC): The intra IITJ sports fest, it is one that designed to attract mass participation. It sees the best sporting talents in the Institute pitted against each other to fight for the glory of their respective branches. It also has games like Tug of War, Kho-Kho and Kabaddi along with the regular sports.

VARCHAS: The Institute takes prides in organizing its very own inter college national level sports fest by the name of “VARCHAS”. The success of Varchas has largely been due to the student’s exceptional organizational and leadership abilities.

There are various awards to recognize and felicitate sporting talents in the Institute. To encourage the fresher, The Best Freshman Sportsperson Award is given to those who perform well at the Institute level in the first year. The biggest achievement for a sportsperson at IITJ is the Society Colour Award where not only the individual talent counts but his contribution towards the sporting community during his entire stay at the Institute is also what makes him deserving.

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THE CULTURAL SOCIETY

Cultural Society is the fountainhead of all cultural activities in the Institute. Cultural activities prepare you for real life and strengthen your personal skills. They not only help students to identify themselves with the Institute, but also assist students to develop themselves in a desired field and to improve skills such as organization, presentation, leadership and interpersonal communication. Under the Cultural Society there are six clubs, which function throughout the year.

Dance Club

Whether you are a master or an eager learner, the Dance Club is open for all. The club members come and practice regularly to hone their skills. Called 'DEFEAT THE BEAT', the club performs in various festivals and events occurring across the country including Chaos (IIM Ahmedabad) and Mood Indigo (IIT Bombay). The club also organizes workshops on different dance styles .Various intercollegiate events are also conducted .The team added a feather to its cap by getting selected in Indian Hip Hop Championship auditions in 2014.

Drama Club

The Dramatics Club, by the name of DRAMEBAAZ, not only attracts widespread participation from the students, but is also loved by the audience. The club primarily focuses on Street Plays which have always been its forte. High on energy and with a definitive outlook, the club members manage to leave the people enthralled with their performances. The club picks up on the issues faced by the society as theme of their street play. When this amalgamates with brilliant scripting and tongue-in-cheek humour, fireworks are bound to happen.A highly demanding and highly challenging club in its own right, it provides a great sense of satisfaction to those who have an inclination towards performance arts.

Literature Club

It caters the bunch of people who love to indulge into speaking, writing or even reading. Unlike the stereotyped Literati, the club showcases a variety of fun events like JAM, Shout, Hurdles, and Group Discussions aimed to target just any other random trespasser along with the named intellectual ones.

Music Club

Enough being a nerd all your life. Be the rockstar you always wanted to be.Be it an instrumentalist picking up the rhythm whenever called in or the vocalist who each and every person in the crowd looks up to be. SANGAM, the IITJ Music Club gives you the unique opportunity to finally to step foot on the blistering stage where you always wished yourself to be on. Spanning from the band performances at the Freshers' Night, to various performances in different college festivals and also rocking the show at your own Institute in events like Unplugged Night and Musical Extravaganza, the music club has it all.

Quiz Club

Although among the youngest clubs, the Quiz Club stands out to be one of the most active and popular club of IIT Jodhpur. The club acts as a platform for the student community to exercise their grey cells, think out of the box and quench their thirst for knowledge. The club organizes interesting quiz sessions throughout the year to cultivate a passion for quizzing among the students. The club also gives the students an opportunity to participate at national and intra-collegiate quizzes.

Book Club

With a plethora of books the book club provides a large collection of books for the book lovers and avid book readers to explore the vast world of books and encourages the non-readers to develop a healthy reading habit with great varieties of genres from fiction, non-fiction, tragedy, drama, comedy and others that it has to offer.

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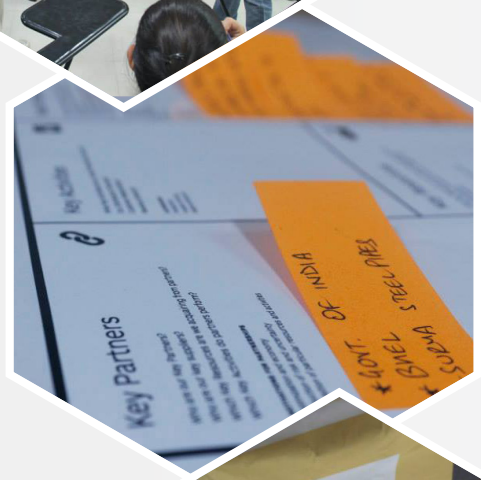

THE ENTREPRENEURSHIP CELL

The Entrepreneurship Cell or E-Cell, as it is widely known as, is one of the most professional cells under the Student's Gymkhana. Entrepreneurship is the key that can unlock India's latent inventive potential. It will not only push India to the forefront of the world but also
help raise the quality of life in the country.IITs are ranked fourth on a list of 50 best entrepreneurial undergraduate Institutes of the world.
E-Cell IIT Jodhpur has a vision to develop, enhance and carve out the inner entrepreneurial potentials of the students of the Institute. It aims to develop the entrepreneurial culture amongst the students which will help them in all aspects of life.

It regularly conducts workshops and seminars on entrepreneurship skills which encourages innovation and out-of-the-box thinking
amongst students. It also invites eminent entrepreneurs from across the nation to address the students and share their experience. In
a nutshell, E-Cell aims to give the basic knowledge and skills to the students which will help them start-up at any point of time so that
they can take their ideas to market.

There have been many successful start-ups from the Institute, some of them are EduXtree, EasyPrep, Fre-edu, SolutionBox and FlipPaisa.

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THE STUDENT PLACEMENT CELL

The Student Placement Cell is managed by the Institute in consultation with the students. It aims to ease the transition of students to their professional life. The tasks like contacting various companies, their interaction with the students, arranging the pre-placement talks, tests, interviews and entire work related to placements is coordinated by this Office . Apart from conducting smooth placement and internship seasons every year, the Office of Student Placements conducts regular sessions with the aim of enhancing skills of the students that would help them to express themselves better not only in interviews but in general as well.

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PARIVARTAN

PARIVARTAN, the social outreach of IIT Jodhpur community aims for the betterment of society of which we are a part. A more privileged part, to be precise. We feel that it is important that a student should be aware of the different growing issues of the society and the gaps he/she can fill. We act and try to bring about a little Parivartan (change) in the society to which we belong. Some of our aims are improving the education level and social awareness in the poor and downtrodden section of society, through teaching and youth counselling.

The Mission

Parivartan takes different steps to accomplish its mission.

-This year, we started coaching some 5th standard students of Kudi village to help them enter Jawahar Navodaya Vidyalaya, where Govt. looks after the young merit, free of cost and the results are yet awaited.

-We conduct occasional health camps at Sangeria, the village nearby IITJ residential area, by providing free medical checkups, medicines and thus catering to health improvement of over 200 villagers.

-Knowing the importance of blood, the greatest gift to mankind, blood donation camps were organized at GPRA which received a huge response from people all over Jodhpur.

-With an aim of eradicating polio among the children of Sangeria village, polio drops were administered to them.

-Career Counseling was given in government schools nearby GPRA to support the emotional health and well-being of these young people and help them build a healthy future.

-Summer and winter camps are organized for the school students of which at least half or more are from Govt. schools of nearby villages to show them that learning can be fun and to imbibe in them, the importance of equality. This caters as a stage to teach them to aim high.

-During winter, some old blankets and clothes were collected and distributed among the homeless and the poor in Jodhpur. We ensure that none of the old things go waste by collecting and distributing among the needy.Parivartan is working in the direction of building an educated and well informed society around.

Email-ID : parivartan@iitj.ac.in

FESTS

NATIONAL EVENTS
IGNUS

The Indian Institute Of Technology Jodhpur, since its inception has played an efficacious role in enhancing the socio-technical aspects of education in its domain. The Inter college Socio-cult-tech fest IGNUS epitomizes the same.

Ignus witnesses the participation of numerous stalwarts in the various arenas offered. The fest gives a platform to some of the country's best hidden and unfathomed talents. With the total footfall amounting to about 10-15 thousand, Ignus has witnessed the absorbing performance of famous artists like Andrew Newton, the band Pentagram, Shilpa Rao, Javed Ali among others.

What makes Ignus different is that it coalesces all the three aspects required to be lucrative, thrilling and full of fun. The team of Ignus consists of student volunteers who work to promote creativity and intellectualism, the foundation of this festival.

The fest intends to promote social awareness about the flaring issues rampant in the nation via trademark IITJ ways like NUKKAD, stage shows, etc. As stated above, Ignus comprises of an array of cultural events, activities and competitions which keep the fest full of life and zest. Ignus has become the front runner and the benchmark for all college fests making it the most anticipated extravaganza of IITJ. It has attracted major sponsors and extensive media coverage over the years. Ignus has created an unmatched aura of science and technology spectacle at the campus of IITJ.

To add to the glare various workshops are organised by professionals from various companies to provide student a technical exposure to current topics including Cloud computing, Ethical hacking, Game development on cloud platform, Android, Automobile, Robotics and others. Also guest lecture of various eminent personalities are organised during Ignus.

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VARCHAS

Varchas is the sports fest of IIT Jodhpur organised every year in the month of February. This year it was organised from 30thOct to 2nd Nov. Varchas celebrates the spirit of sportsmanship and serves as a platform to showcase countless hours of perspiration put in by college teams to achieve excellence in sports. Varchas was first conducted in the year 2011, with a vision of promoting sports among the colleges of India, particularly Rajasthan and providing the athletes in India a platform to showcase their talent.

Competitions are held in the fields of football, cricket, table tennis, lawn tennis, badminton, squash, volleyball, basketball and athletics in national level stadiums of Jodhpur. Varchas promotes healthy competition and is a great opportunity for the teams to prove their mettle in their respective sports.

Moreover, being the educated core of the country, the students of IIT Jodhpur try to fulfil their social duties through "Soch -The Social Aspect of Varchas". Soch is a platform where we take up pertinent social issues and try to find possible solutions through discussions and debates; spread awareness and conduct drives to involve people spanning across varied backgrounds. We attempt to create a profound social impact for the amelioration of the society.

Email-ID : varchas@iitj.ac.in

SOCH

"SOCH – think because you can change"

SOCH is the mainstream social initiative of Varchas, the annual Sports Fest of IIT Jodhpur and also a wing of PARIVARTAN. It aims at addressing various contemporary social issues and arriving at practical solutions to these issues.

In 2014, we put our best foot forward to spread awareness against begging in the society and help at least some of the beggars live with dignity. Our mission was to develop a platform that spreads awareness and motivates the youth of today to take a collective stand to eradicate begging in our country and make the beggars realize the value of earning over begging. To understand the problem in a better and deeper way, we talked to beggars and people around them and tried to know their views about the issue. It was an attempt to get a closer look at the lifestyle and thinking of the people who are facing this problem.

As a part of SOCH, this year events like:

Awaaz: A panel discussion was conducted with a great contribution from some renowned speakers and students from all over the city.

Intra and Inter School Competitions: To understand the outlook of our younger generation who are tomorrow's responsible citizens, we took a visit to schools of Jodhpur. Competitions like drawing essay writing were conducted to get a reflection of their thoughts and ideas regarding the issue.

Think| Believe| Change

Email-ID : soch@iitj.ac.in

INSTITUTE EVENTS

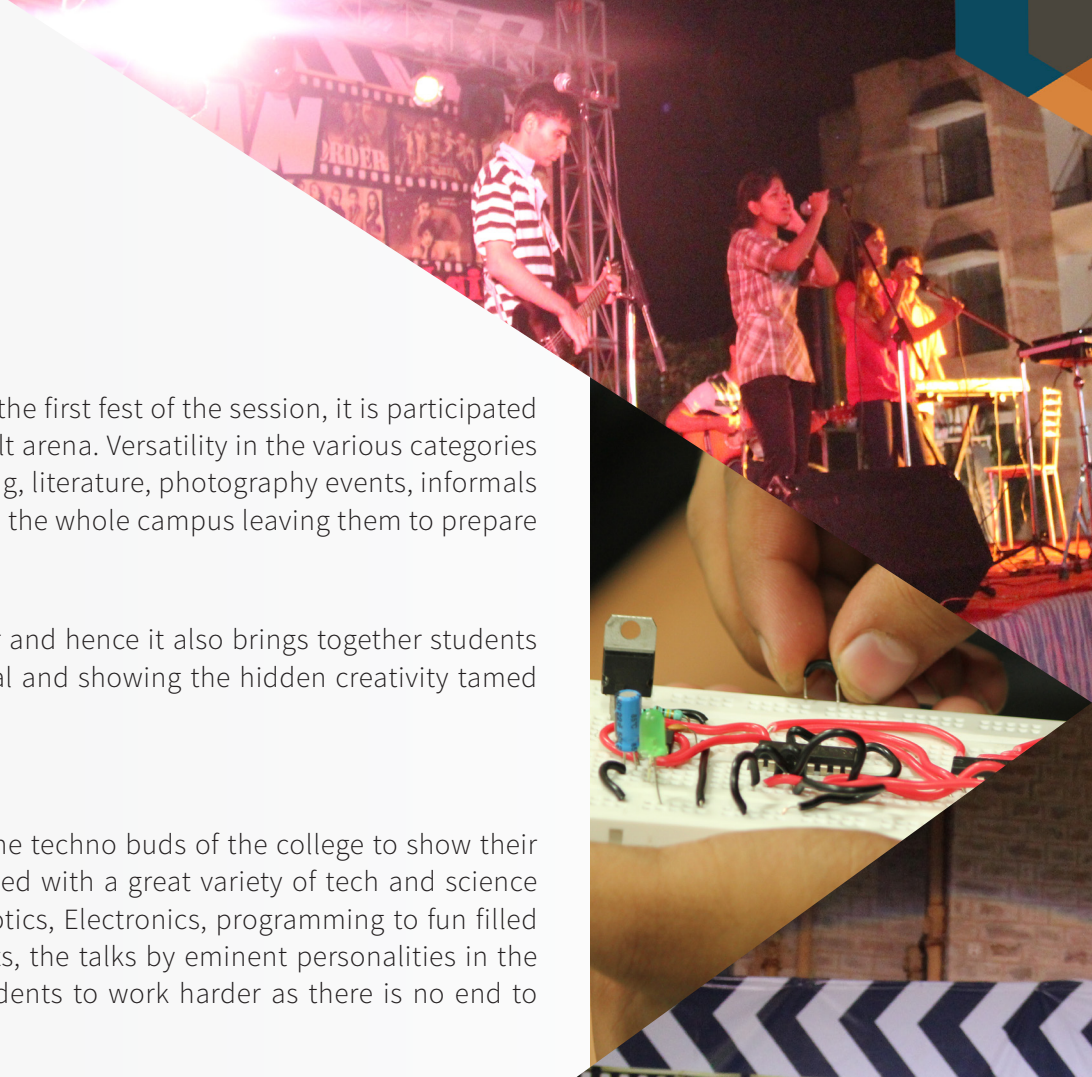
SPANDAN

Spandan is the intra college cultural fest of IIT Jodhpur. Usually the first fest of the session, it is participated by an enthusiastic crowd, eager to portray their talents in the cult arena. Versatility in the various categories is extensive, with competitions in fields like drama, dance, singing, literature, photography events, informals and fashion show among others. Three days of Spandan awaken the whole campus leaving them to prepare all night.

Spandan is one of the first public occasions to occur in the year and hence it also brings together students from all years to interact with each other. Participation with zeal and showing the hidden creativity tamed inside an individual is the motive of the fest.

NIMBLE

Nimble, the intra college technical fest provides a platform to the techno buds of the college to show their hidden talent. Nimble comprises of four action packed days filled with a great variety of tech and science events ranging from intense mind boggling events such as robotics, Electronics, programming to fun filled events like angry bird, quizzes, crypto etc. Apart from the events, the talks by eminent personalities in the field of Science and Technology are organized to motivate students to work harder as there is no end to discoveries and inventions.



KALAKRITI

The Media Arts and Design. Society's very own Intra-Collegiate 'Art & Design' Festival is all for fun, fascination and enjoyment. Hosted by the society in March, 'Kalakriti' is a mixed bag of fun-filled competitions, interesting workshops and back-to-back movie screenings which is surely an unmatched way to have a relaxing weekend. "Because everything you can imagine is real!" – These lines wake up the dormant talent amongst the student and the output is sudden burst of colors. With a multitude of events ranging from Fine Arts and Clay Modelling to Photography and Video Editing, 'Kalakriti' witnesses huge participation from designers and non-designers alike. Events like 'Scribble Day' bring together the entire final year batches to which all the other students bid adieu and leave a farewell message or graffiti on a common piece of cloth given to them. A great way to bring smile on everyone's face, 'Kalakriti' succeeds in spreading joy, unity and togetherness in the small tight-knit community of ours.

SPORTS GENERAL CHAMPIONSHIP

"Winning isn't everything- but will to win is."

Promoting the spirit of competitiveness while preserving that of sportsmanship, Sports General Championship is organized by Sports Society to give Sports enthusiasts a chance to pursue their passion for sports meanwhile competing for the prestigious General Championship Trophy. Matches are organized both outdoor and indoor such as Gully Cricket, Street Football and Single Court Basketball, Chess, Carom, Badminton, Table Tennis, Swimming and many more. Full-fledged dedication from participants and organizers makes Sports GC one of the liveliest events of the year.

Jodhpur

KNOW YOUR CITY

Welcome to Jodhpur, “the Sun City”. Jodhpur is the second largest city in the Indian state of Rajasthan and located 335 km west to the state capital Jaipur. Founded in 1459, by Rao Jodha, a Rajput chief of the Rathore clan, Jodhpur was formerly capital of the Kingdom of Marwar. It is a popular tourist destination in Western India.

Climate: Jodhpur is known as the “Sun City” for the bright and sunny weather it enjoys throughout the year. It experiences dry and hot, a typical desert weather. The average annual rainfall is approximately 32 cm. In summer, the temperatures range from a maximum of around 42 C to a minimum of around 37 C. In winters, the maximum and minimum temperatures are around 27.5 C and 15.5 C respectively.

Cuisine: Jodhpur, being a tourist destination has a number of restaurants and eating-places. A wide range of cuisines including Indian, Chinese, Continental and Mughlai are readily available. While in Jodhpur, do not forget to try the famous Kachouris. Those with a sweet tooth should try the laddoos and ghevar and thirst quenchers like makhaniya ‘lassi’. Some of the restaurants popular among the students are Crossroads, Kalinga, On the Rocks, Tamarind, Mc.Donalds,Pizza Hut, Subway, Uncle Sam’s pizza, Janata Sweet house, Gypsy Dining Hall etc. Some of these restaurants also offer concessional rates to the students of IIT Jodhpur with a valid identity card.

Places to see: The magnificent Fort of Mehrangarh, a living testimony of the military might of the Rajputs,is truly worth a visit. The grand Umaid Bhavan palace and the adjoining temple, only a ten minute drive from the Institute’s academic area are good places to spend an afternoon. The Government Museum located within the beautiful Umaid Gardens is enriched with a rich collection of armory, textiles, local crafts, miniatures and images of Jain Tirthankaras. The Mandore Gardens are another tourist attraction. The Balsamand and Kaylana lakes are also ideal places for picnics or outings. In addition other famous tourist destinations like Mt. Abu, Udaipur, and Jaipur etc. are just about 6 hours from Jodhpur.

Some other important locations

Ratanada Circle - IIT Jodhpur Academic area, variety of shops

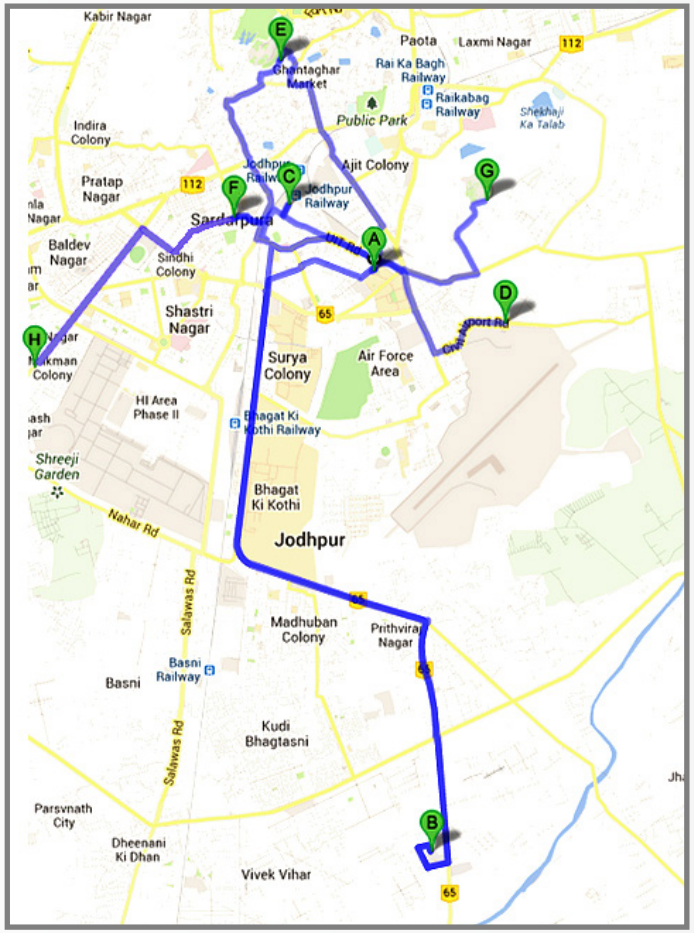
Sardarpura - good place to buy clothes and to eat out

Jalori Gate - a good place for buying books, spectacles, hardware and computer accessories

ACADEMIC CALENDAR

S. No.	Events/Activity	Date
1	Registration : New Students	23-Jul-2015 (Thursday)
2	Registration : Old Students	27-Jul-2015 (Monday)
3	Classes Begin	28-Jul-2015 (Tuesday)
4	Last Date for Add/Drop of Courses	04-Aug-2015 (Tuesday)
5	First Mid Semester Exam	01-Sep-2015 (Tuesday) to 03-Sep-2015 (Thursday)
6	Mid Semester Course Feedback	29-Sep-2015 (Tuesday)
7	Second Mid Semester Exam	08-Oct-2015 (Thursday) to 10-Oct-2015 (Saturday)
8	Mid Semester Break	17-Oct-2015 (Saturday) to 25-Oct-2015 (Sunday)
9	End Semester Course Feedback	16-Nov-2015 (Monday)
10	Last Day of Classes	20-Nov-2015 (Friday)
11	End Semester Exam	23-Nov-2015 (Monday) to 30-Nov-2015 (Monday)
12	Winter Vacations (for students) begin	04-Dec-2015 (Friday)
13	Last Date of Grade Submission	03-Dec-2015 (Thursday)

REACH US



A. IIT Jodhpur Academic Campus
B. IIT Jodhpur Residential campus
C. Jodhpur Railway Station
D. Jodhpur Airport

E. Mehrangarh Fort
F. Sardarpura Market
G. Umaid Bhavan Palace

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