

## B. NOTABLE ENTREPRENEURIAL ENDEAVOURS BY OUR ALUMNI

Some Entrepreneurial endeavors by our alumni are:

- Shuttl, launched in April 2015 by IIT Kanpur alumni Deepanshu Malviya (BT/MME/2006) and his colleagues raised \$20 million in Series A from Lightspeed, Sequoia India & Times Internet Ltd. Currently operational in Delhi NCR, the platform provides shuttle services to

commuters across 50 routes and 500 buses, and handles 15,000 rides per day across the metropolitan area.

- EnCashea.com, a doorstep, free service for collecting all unused stuff from your location, was launched by IITK alumnus Rahul Jaiswal (BT/MME/2002) with other co-founders. EnCashea.com supports 'Teach for India', a non-profit organization, working to remove educational inequality and India's biggest ever cleanliness drive 'Swachh Bharat Abhiyan'.

## FACILITIES TO STUDENTS

IIT Kanpur continues its effort to encourage an equitable balance between academics and extracurricular activities among its students. Our vision is to create future leaders in their field of interest and not just technically accomplished individuals. The Institute strongly believes that an abiding social and humane engagement is the hallmark of its student body. To translate such a belief into reality, the Institute nurtures social, cultural and sporting activities pursued by the students' gymkhana and other student groups. With a firm belief in self-governance, Students' Gymkhana continues to provide platform to all students to pursue their interest.

The Institute witnessed stiff inter-hall competition in the form of Galaxy, Takneek, Spectrum and Inferno, inter-Hall Cultural, Science & Technology, Films & Media and Sports championships respectively. Fresher Inferno tournament also was organized to find some new talents from the freshers' batch. The sole guiding principle behind organizing these championships is to provide the students of this campus, a much needed platform to compete and showcase their cultural and sports talents and to give them a reason and motivation, strong enough, to come out of their rooms and participate in group activities. The General Championship of 2015-16 witnessed a new competition called Mélange to inculcate the spirit of leadership and community welfare among the students. Melange witnessed a plethora of events ranging from Envirothon- Run for Green, Book Barter, New Year Celebration, etc. Also, there were two new Intra-Campus festivals: CultX, which showcased performances from the various clubs of the Cultural Council and Montage, which witnessed screening of movies of International acclamations.

The girl students are a quintessential part of the Students' Community. However, the girls' hostel used to be clubbed with boys' hostels for the General Championship. In

order to give them equal opportunity to build their own culture, have a unique identity and compete just as any other pool, a new pool called Veeras came into existence for the GC 2015-16, making the total numbers of pools to 5. Students' Gymkhana witnessed a bigger historic restructuring, with introduction of new entities called Cells. Cells will have Overall Coordinators nominated by the Students' Senate and would be answerable to the Senate like any other council. The Presidential Council was disbanded and restructured into three independent cells- Community Welfare Cell, Entrepreneurship Cell and Academics and Research Cell. A new council, called the General Affairs Council has been incorporated to assist the President in discharging his or her duties towards the general affairs of the student community.

### Students' Senate:

The Students' Gymkhana functions mainly through the Students' Senate, an elected representative body comprising of the President, Students' Gymkhana, General Secretaries, Senators and the Office bearers. The Senate takes up various issues pertaining to the Students of IIT Kanpur and lays down general guidelines for functioning of Students' Gymkhana.

The major initiatives of Students' Senate of 2015-16 are:

- Re-evaluated the eligibility criteria for the ratified positions under the Students' Gymkhana: Changes have been incorporated in the eligibility criterion to ensure that the eligibility criterion is applicable throughout the tenure and not just at the time of nominations. The eligibility criterion that is applicable during the tenure is slightly relaxed from the original eligibility criterion and the eligibility for all the positions ratified at that time shall be ensured by the office of the Students' Senate at every semester.
- Formulated a 5 pool structure for the General

Championship of the Students' Gymkhana: For the first time, 5 pools are participating in the events of the General Championship consisting of a separate pool for girls. Keeping in mind the lower strength of students in the 5th Pool, the participation criterion has also been relaxed for that pool.

- Reviewed the services offered by the Health Center: An online review of the services offered by the Health Centre was conducted and the response was recorded. A report based on the online review has been submitted by the President, Students' Gymkhana to the institute authorities and a request to implement an online complaint management system has been submitted, and that shall help the entire community in general.
- Limited academic activities on gazetted holidays: It has been noted in the Academic Calendar for 2016 that no classes should be conducted on gazetted holidays.
- Introduction of teams: Teams have been incorporated under the umbrella of Students' Gymkhana as association of students for participating in external competitions. The Senate shall ratify a team only if it has a validated source of income and is recommended by one of the Executives. For teams associating with Science and Technology Council, the procedure has already been laid down by the General Secretary in consultation with the Office of the Dean of Resources and Alumni, which shall be the major source of funding.

### General Affairs Council

A new Executive Council has been incorporated to assist the President in discharging his or her duties towards the general affairs of the student community. Its membership shall include President's nominees to various institute committees as well as other representatives that shall act as the point of contact for various issues. The members of the General Affairs Council shall enjoy their execution powers through the President, Students' Gymkhana. The Council shall ensure more accountability on behalf of the President and also help in spreading relevant information as well as collecting opinions from the student community on some particular issues.

Office of the Students' Senate and the Steering Committee:

- ##### Regular Attendance record has been maintained by the office.
- ### At least 4 show-cause notices have been issued to various members of the Senate and 7 Senators have been removed for not complying with the

Attendance policy.

- ##### Up-to-date list of all positions ratified by the Senate during this Gymkhana year as well as last Gymkhana year has been compiled.
- ##### A mechanism to ensure that the students appointed at various ratified positions satisfy the eligibility criteria throughout their tenure has been devised and the office shall be responsible for ensuring the same at the start of every semester.
- ### A consolidated agenda booklet (including all the supporting documents) is being published for all the meetings.
- ### A process has been initiated to keep verified hard copies of the records of all the Senate meetings in the SAC Office, starting from the last Gymkhana year.
- Automation of the LHC Booking Form is being implemented to ease out the process of booking Lecture Halls.

Action Taken Report (ATR) is being updated regularly and has been presented at least once every month

### Science and Technology Council

The Science and Technology council participated and won in many national and international competitions. Inter-IIT Tech Meet- IIT Kanpur bagged 1st runner up position in the event winning Silver in 5 events.

- SAE AERO Design East 2016 - Team Pushpak, IIT Kanpur put in a lot of effort this year for the competition and bagged 2nd runner up position in the "Micro Class"., IITK Motorsports- Motorsports team of IITK participated in 3 events namely Formula SAE India, BAJA Student India and NIS Efficycle winning "Best Tech Ready Team" award in BAJA Student India.
- ROBOCON- Team Robocon, IIT Kanpur for the first time made it to the top three securing 3rd position in the competition.
- Teams from IIT Kanpur won many prizes in Techfest'15 (IIT Bombay) and Techkriti'16.

The SnT Council also organized various lectures and workshops in programming, robotics, aeromodelling etc. CAD modeling workshop was organized during Summer Camp by "Autodesk".

### Cultural Council

The clubs of the Cultural Council organized workshops, competitions and showcase of performances throughout the year. Apart from the various activities spinning over the whole year, some of the new initiatives are:

- This year Cultural Council, in collaboration with Hera

Pheri Films, started a video project with the aim of exposing the talent of different clubs. A web series named Raavayana, of 4 episodes, has been made possible with the help of various clubs like Dramatics Club, Music Club and Hindi Sahitya Sabha. The Music Club produced the original soundtrack for Raavayana along with 5 original compositions.

- Various group discussions were conducted on issues like alcohol and drug consumption, social mobility, education, brain drain, open source software, social media and conformity.
- Cultural Council, for the first time, organized In-Sem Workshops conducted by Professionals. It consisted of 4 very exciting and different Workshops from 4 different Clubs. These workshops were for beginners and were meant to familiarize the students with the basic techniques of the respective art form.

#### Major Achievements

- Dhun is a pan India music band competition organized by National Skill Development Corporation (NSDC) under Ministry of Skill Development and Entrepreneurship (MSDE), in collaboration with Citizens Alliance. IIT Kanpur's band "Abhilasha" was selected amongst the top 10 from 150 entries all over India.
- Hindi magazine 'Antas' got the first prize in a competition among similar magazines published by Rajbhasha Prakashts of all the government departments in India.
- A contingent of 8 members participated in 3 events of Rendezvous (IITD's cultural festival). IITK won the first prize in the individual event and 2 teams participated in the Parliamentary Debating.

#### Films and Media Council

The FILMS AND MEDIA COUNCIL aspires to convey information to the people through various means of communication. We intend to make it a platform where people can voice their needs and express their views with freedom. It entertains people by screening matches and movies. The Films and Media council organized a large number of workshops in photography, designing, animation etc. throughout the year. This year, Animation Club organized a workshop on Stop Motion for freshers to publish a stop-motion video for the Freshers Night, by the freshers.

#### Anime Society

- The anime Society was formed last semester and various events were organized to cater to the needs of various campus residents who are interested in the Anime Culture.
- Meetings were held with the institute authorities and a

decision was made to install bus schedule at various bus stops inside the campus in the upcoming month to facilitate the travel of the campus residents.

- A large project was finally culminated into a video showcasing the glory of the campus. The video proved to be an online hit and garnered 5000+ views on its first day itself and currently
- Teacher's Day Video:  
The video was also a first of its kind. The idea involved gifting each professor a balloon and a card on the eve of Teachers' Day. The whole event was coordinated and shot in a single day. The subsequent video proved to be a hit with 2700+ views.

*Gatthar*: A 50 minute length short movie made in association with Hera Pheri films.

#### Major achievements

- BIOMOD is an annual biomolecular design competition for students. Undergraduate teams compete to build the coolest stuff using the molecules of life.. A team of undergraduates from IITK – Bioluminati – participated in this competition and secured a silver medal for their efforts.
- One of the major highlights of the session was the revival of Campus Journalism Society- Vox Populi, which recently gave its annual print edition for the session 2016. Vox has expanded to a core group from 25 to 40 members. The Core Group boasts of an in-house Design Team as well. Structured in the form of Chief Editors, Editors and Core Group members, Vox is here to stay for a long time to come.

#### Games and Sports Council

The efforts of the Council are directed to ensure that each and every person enjoys the game. The diverse activities organized during the year aimed at broadening the outreach of 'sporting activities' among various segments of campus community. The Council members believe that all unique activities introduced, will bear great value addition and connect with many who have yet stayed away from pre-existing sporting activities.

#### New Initiatives

1. Formation of Bicycling Hobby Group
2. Summer Camp (Week long trials + exclusive mess)
3. Archery Workshop
4. Duathlon
5. Skat-a-thon
6. Aqua Buddies
7. Ivy Campus Run
8. RGF National Rural Games
9. Sports Star Series

## 10. Performer of the Year Award

### *Major Achievements*

A contingent of 115 members participated in IIT Roorkee's sports fest Sangram'15. IIT Kanpur participants won Gold in Athletics (both boys and girls), Table Tennis and Badminton, silver in volleyball and Bronze in Tennis, weightlifting, cricket and football. Best Athlete was Akshat Verma and the best powerlifter- Arjun Ram.

### **Inter IIT Sportech – 2016 (IIT Delhi)**

Due to cancellation of Inter IIT 2015, IIT Delhi conducted Sportech '16 exclusively for IIT's. IIT Kanpur sports contingent outshined all other IITs and won the 'Overall Championship' of both men and women in this inter-IIT competition. Best women Athlete was Devi Mutyala, Best Male Athlete – Shubhav Yadav and Mr. Sportech title won by Shibham Bothra. IITK bagged gold in Athletics (boys, football, table Tennis (girls), volleyball and lawntennis (girls), squash and weightlifting.

### **Festivals**

The overriding objective of large-scale events of the Institute such as Antaragni (the cultural festival), Techkriti (the technical and entrepreneurship festival) and Udghosh (the sports festival) is to infuse a sense of richness and purpose in the lives of students. All these social, cultural and sporting activities play a crucial role in the transformation of a student into a complete human being. These festivals have vastly improved participation levels, both from within the Institute and also from students from other national and international institutions. The revenues generated for conducting these festivals saw an impressive growth last year, which is a tribute to the managerial and logistic skills of our students.

### *Udghosh'15*

Udghosh, Annual Sports Festival of IIT Kanpur was organized from 1st October to 4th October. Udghosh is one of the largest sports festivals in the country with participation from about 54 colleges including the IITs, NITs and other major institutes around the country, offering an unparalleled competitive environment. Udghosh offers a platform for students from all over India to showcase their talent and compete with the best upcoming sport persons in the country in a highly charged and competitive ambience with highly equipped sports facilities.

Udghosh 2015 organized plethora of sports event like Cricket, Hockey, Football, Athletics, Kho Kho, Squash, Lawn Tennis, Table Tennis, Badminton, Carrom, Chess

## Volleyball, Basketball and Power Lifting

This year we witnessed participation from maximum number of IITs, and players who had participated in professional national tournaments. Events like Athletics, Hockey, Tennis Women, Weightlifting and Squash witnessed better and increased participation in comparison to last years. In addition to these, Kho Kho men was introduced for the first time which witnessed participation from - 12 colleges. A torch run around the campus followed by performance of The Local Train in OAT, New SAC was organized in the opening night. Udghosh'15 was brought to end with a closing ceremony witnessing Mr. Sanath Jayasuriya, ex Sri Lankan Cricket player as the Guest of honor.

Major Highlights of this sports festival were marathon organized on 4th October morning during the festival. Participants ran on 11km and made the marathon a success with a participation of over 150 people.

Duathlon was organized which witnessed the participation of 200 people including participation of faculty members.

On 1st October, 2015 a Bike stunt show performed by 'Ghost Riders' was organized on the 2nd day, in front of Auditorium.

A concert by 'Nikhil D'Souza' was organized in the Concert Night in OAT, New SAC

Screening of live match of India vs South Africa was also organized.

### *Antaragni'15*

Antaragni has been known for incorporating cultural excellence and opportunities. Last year Antaragni, IIT Kanpur celebrated its Golden Jubilee.

The Road-trip of Antaragni (Nationwide Prelims) has expanded its reach by visiting 11 major cities including Kathmandu, Nepal which was the first ever international Road-trip for Antaragni.

Antaragni, for the very first time introduced "Prodigy", a school level cultural championship. It is an initiative to create a platform for young minds to showcase their excellence and to encourage cultural activities among school students in India. With over 60 schools participating, Prodigy became a great opportunity for school students to showcase their cultural quotient and compete with others. For the first time in history; MUN was conducted before the festival to ensure a quality

MUN and to provide good facilities to the participants at par with other MUNs in the country. This year MUN witnessed a participation of around 170 delegates and 15 Executive Board. The open fest model was implemented for the first time in Antaragni'16 via "Single Day Registrations", allowing more participants to take part in the biggest cultural festival of north India.

Antaragni'15 witnessed great artists from across the country and abroad including Amit Trivedi, Nucleya, Anish Sood, Sunidhi Chauhan, Neeti Mohan, Bhayanak Maut (Rock band), Blackstrat Blues (Rock Band), Indian Jam Project, Acollective (Israel Band), Skiller (Bulgarian beatboxer), Ranvijay, Kumar Manor, Rahat Indori and many more.

### Techkriti'16

Techkriti, the annual inter-collegiate technology and entrepreneurship festival, organized by the students of Indian Institute of Technology Kanpur with its theme for the 22nd edition – Beyond Our Planet witnessed the footfall of over 2400 participants from other colleges (national and international).

Dr. Hamid Karzai, Former President, Afghanistan inaugurated the festival with his talk held in a grand ceremony in OAT. Apart from this, other speakers were Mr. Vikas Swarup - Spokesperson, Ministry of External Affairs, Author: Q & A, Dr. Lyn Evans – Director, Linear Collider collaboration CERN, Ex Project Head, Large Hadron Collider, Mike Libecki - Nat Geo Adventurer of the year 2013,

Pradeep Sindhu - Founder, Juniper Networks, Jorge Gabriel Cham - Chinese Panamanian cartoonist and roboticist, creator of "PHD Comics",

Alex Hutchinson - Creative Director, Ubisoft.

Major Exhibitions for this edition of Techkriti were as follows:- Automated Chess, Smart Technologies, Smart Vehicle Expo, Gesture Controlled Gaming, Golf Simulator, Urban Flow, ETH Zurich Drum Playing Robot, Prosthetic Hand

Techkriti also witnessed fierce competitions in events like IARC, IRGT, TGP, IoT, Multirotor, Wild Soccer, IORC, TGP, Sky Sparks, TIC, Embedded, Appathon, Business and Entrepreneurial Events to name a few. Adding to it, the second edition of Techkriti Open School Championship in 11 cities in 3 rounds. Final 100 students out of 3000 students were called to IIT Kanpur for final round of presentation.

This time Technocruise – zonal round of Techkriti was conducted in 8 cities. In this, 1000 participants for competitions and 1700 participants for workshops participated.

In its 22nd edition, Techkriti undertook some social

Initiatives like: - Spreading Smiles, Car launch Event of Team FSAE, IIT Kanpur, New Year Celebration, Accessible India Campaign, Education opportunity at France, Summer Training.

Astro Photography and Panel Discussion on Space Exploration.

Last but not the least; Techkriti witnessed some great performers performing for the junta, with Farhan LIVE: Concert by Farhan and team, Sunburn Campus, Interactive Session with TVF, Fire and LED show and Bike Stunt Show as the major attraction

### Counselling Service

The Counselling Service (CS) is an organisation that strives to ensure the welfare of the students by providing them emotional, academic and financial assistance and sensitizing the campus community towards key campus issues. By looking after their well-being, the Service tries to ensure that IITK is not just an institute, but a home away from home. CS consists of a team of professional counsellors, psychiatrists and a group of student volunteers dedicated towards the welfare of the student community.

Students usually meet the counsellors voluntarily or are referred to the Counselling Service by their friends, faculty members, psychiatrists or the doctors at the Health Centre. Students with academic difficulty are also encouraged to meet the counsellor for individual sessions.

There were 1377 counsellor sessions held in academic year 2015-16. Psychiatrists visit the campus each semester and whenever there is an emergency, the student is directly sent to the psychiatrist's clinic, along with some student volunteer. All the activities related to a psychiatrist's visit are coordinated by the Counselling Service. The information about the students visiting the counsellors is kept completely confidential.

### Financial Assistance

Counselling Service grants scholarship to students requiring financial assistance through STUDENTS BENEVOLENCE FUND (SBF). This is for students who demonstrate financial need, but could acquire finance from the institute or any other means. This year, 100 students were provided SBF scholarship of Rs.1500 per month for a period of 9 months. Apart from this, SBF Loans are also given to those who still are in dire need.

### Academic Assistance

Academic Assistance is provided to students facing difficulty in coping with the Academic Load. The support

is extended at an individual as well as group level and is free of cost.

1. Remedial Classes: Remedial classes are organized by academic mentors (senior students) to help students facing academic difficulty.
2. Study Hours: For underperforming students, study hours are organized by academic mentors during the week before the examinations.
3. Technical Terminology Classes: To help the students facing difficulty in understanding the English technical terms in their courses, Technical Terminology Classes are organised towards the beginning of the semester where these technical terms are explained to them in their native language. These are mostly attended by students not proficient in English.

#### *Support to Probation Students*

One of the most important responsibilities of the Counselling Service is to provide emotional as well as academic support to the students in Academic probation/warning. This year, the students in AP/WR were allotted a guide from the operations or guidance team, whose responsibility was to look after his/her allotted counsellee and also to act as a link between the student and the counsellor. Individual counselling sessions are offered by counsellors to improve academic performance as well as resolve emotional issues. A session for the first year students in probation/warning was conducted by the counsellors in which they motivated them to perform better and clarified any doubts they had.

#### *Orientation Programme*

Each year, an Orientation Programme is organized for the freshmen before the start of the session to acquaint them with the facilities, services, personnel, rules and regulations of the institute to facilitate a smooth transition into life at the institute.

Gymkhana Presentations, Session by counsellors, group activities and wing competitions were organised as part of the Orientation Programme. A session on social awareness and a talk on Ethics by Professor HC Verma was also organised this year.

Sessions and Workshops for Campus Welfare

Throughout the year, several sessions were organised for the benefit of the campus community, ranging from

sessions aimed towards helping students in academics and addressing some of the major problems faced them to self-help sessions that provided students with a chance to interact with professionals in counselling.

#### *Sessions On Mental Health*

1. Session on Mindfulness Based Meditation Technique: A session to teach students the technique of mindfulness based stress reduction so that they can build inner strength and calmness.
2. Session on Addictive Behaviour: The session was organised to help students understand the different aspects of addictive behaviour and their effect on a student's life.
3. World Suicide Prevention Day: The day was observed with the theme of "Let's be there for each other" by holding experience sharing sessions, competitions and musical performances to emphasize the importance of helping each other.

#### *Skill Enhancement Workshops/Classes*

1. English Conversation Classes: English Conversation Classes are organized during the semesters for the students who face difficulty in understanding and communicating in English. These classes are free of cost and open to all the students.

#### *Sessions On Other Broad Issues*

1. Explore your department: This session was organized for the second and third year undergraduate students with the aim to help them explore and get a better understanding of their respective departments.
2. Session on Study Techniques: A session designed to help students learn better study techniques.
3. Intern Gyan: Senior students share their experiences and knowledge about the various possible opportunities available to their immediate junior batches through this platform.
4. ESO/SO awareness Session: ESO/SO session was organized primarily to guide the first year students who were going to take ESOs and SOs for the first time before the pre-registration of the odd semester.
5. What to do in summers: To help the 2nd year students decide how to utilize their summers and to make them aware of some of the options available to them for the same, this session was organised for the Y14 batch where