



Indian Institute of Technology Delhi NEWSLETTER

2018



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Director's Message



Greetings

I take this opportunity to send a copy of the quarterly Newsletter of IIT Delhi. The Newsletter highlights the major academic sessions, research work, collaborations and extra-curricular activities at the institute. It also brings into focus news from our alumni desk.

I would welcome your comments and suggestions in making the next issue more interactive.

Warm Regards,
Prof. V. Ramgopal Rao
Director



News And Events

IIT Delhi, Technopark inaugurated at Sonipat ►

In an effort to boost innovation and research, the extension campus of IIT Delhi, Technopark was formally inaugurated at Sonipat on April 3.

Chief Minister of Haryana Mr. Manohar Lal Khattar was the Chief Guest on the occasion. Dr. Satya Pal Singh, Minister of State, HRD and Mr. Ram Bilas Sharma, Minister of Education in Haryana government were also present.

The centre that will gradually emerge as an epicentre of academic and industry fusions is aimed to become a platform where people from a broad spectrum of scientific and industrial community can collaborate in multi-disciplinary areas.

Situated at the Rajiv Gandhi Education City (RGEN), the Technopark is a state-of-the-art convention centre with an auditorium of seating capacity for around 500 persons, two lecture halls with a seating capacity for 100 persons and two conference rooms with the latest audio visual conferencing equipment for video projection and live streaming.



Inauguration of New Department of Design ►

In an effort to bolster research and broaden the education on design, a new Department of Design was formally inaugurated at IIT Delhi on March 28. The Director of IIT Delhi, Prof. V. Ramgopal Rao, was the Chief Guest on the occasion. The Director also announced the new Bachelor of Design program which will start from next year onwards.



IIT Delhi Tops Again ►

IIT Delhi climbs to 64th Rank from 71st (2017) in QS University Ranking 2018 - Engineering and Technology discipline. This year once again IIT Delhi is the highest ranked Indian Institution.



News And Events

CoE for Research on Clean Air ►

In an effort to promote scientific research on clean air issues and provide sustainable solutions to the problem of air pollution, a Center of Excellence for Research in Clean Air (CERCA) was inaugurated at IIT Delhi on February 16.

The Center was formally inaugurated by the Lt. Governor of Delhi Mr. Anil Baijal, it has been set up with the help of Mr. Arun Duggal, an alumnus of IIT Delhi who has agreed to extend a generous financial assistance for the CERCA research programme.

The Center will be a platform for undertaking multidisciplinary research projects by the faculty of IIT Delhi, especially focused on the study and resolution of air quality issues in Delhi and NCR region. Besides providing scientific information to policy makers this will also give feedback on the effectiveness of various pollution management programmes.

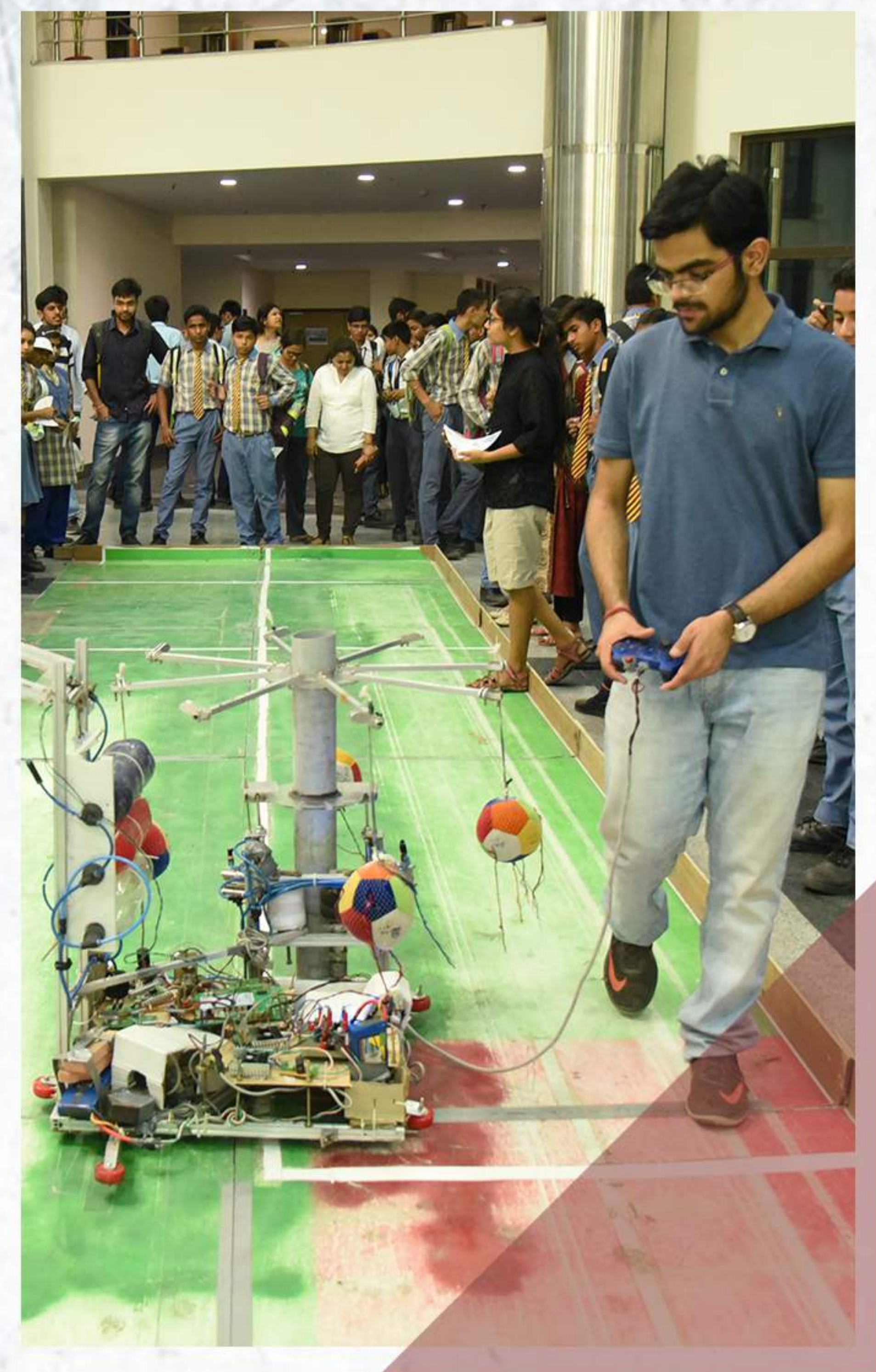


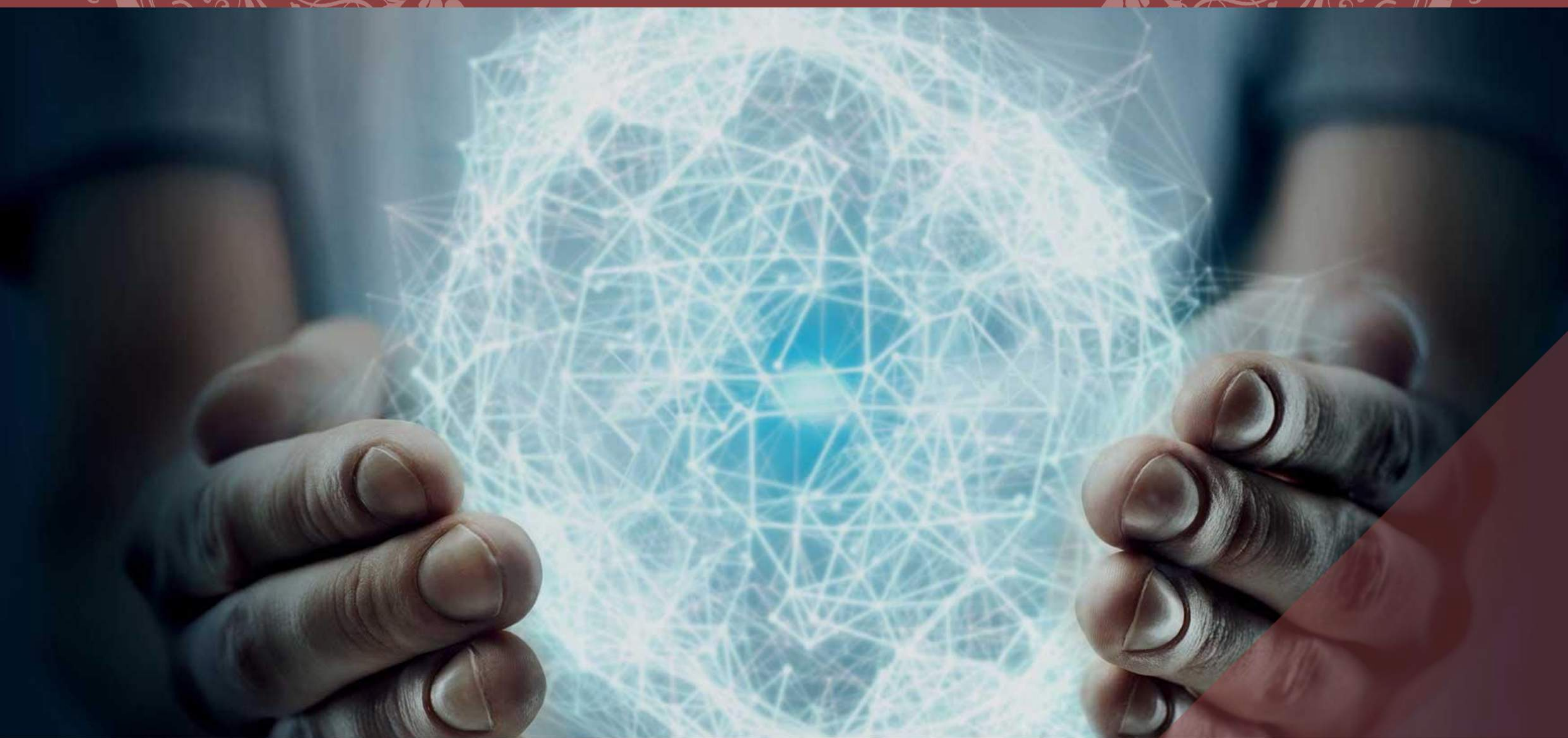
Open House 2018: Innovative Indulgence ►

The 14th edition of Open House at IIT Delhi was held on April 21, and it had a multi-hued reflections of creativity, innovation and academic excellence. The sprawling campus wore a festive look as parents, teachers, students and professionals descended, braving the scorching heat to get a taste of the latest innovations from the labs of one of the premier institutes in the country.

The day long programme took the visitors on a multi-dimensional ride dotted with exhibits, projects and stimulating interactions. The lobby of LHC resonated with displays of robotics and smart technologies.

The Open House is one of the most innovative platforms where students showcase their work and projects. It aims to further push the boundaries of invention and deliver proof of concept. The proud students of IIT Delhi delivered some ground breaking displays through participation in poster competitions and prototype exhibits in the field of science and technology.





Sponsored Research Projects & Consultancy Jobs from January-March 2018 ▶

- 39 Sponsored Research Projects with sanctioned value to the tune of **₹73.56 Crores**.
- 84 Consultancy Jobs with a total sanctioned value of **₹7.53 Crores**.

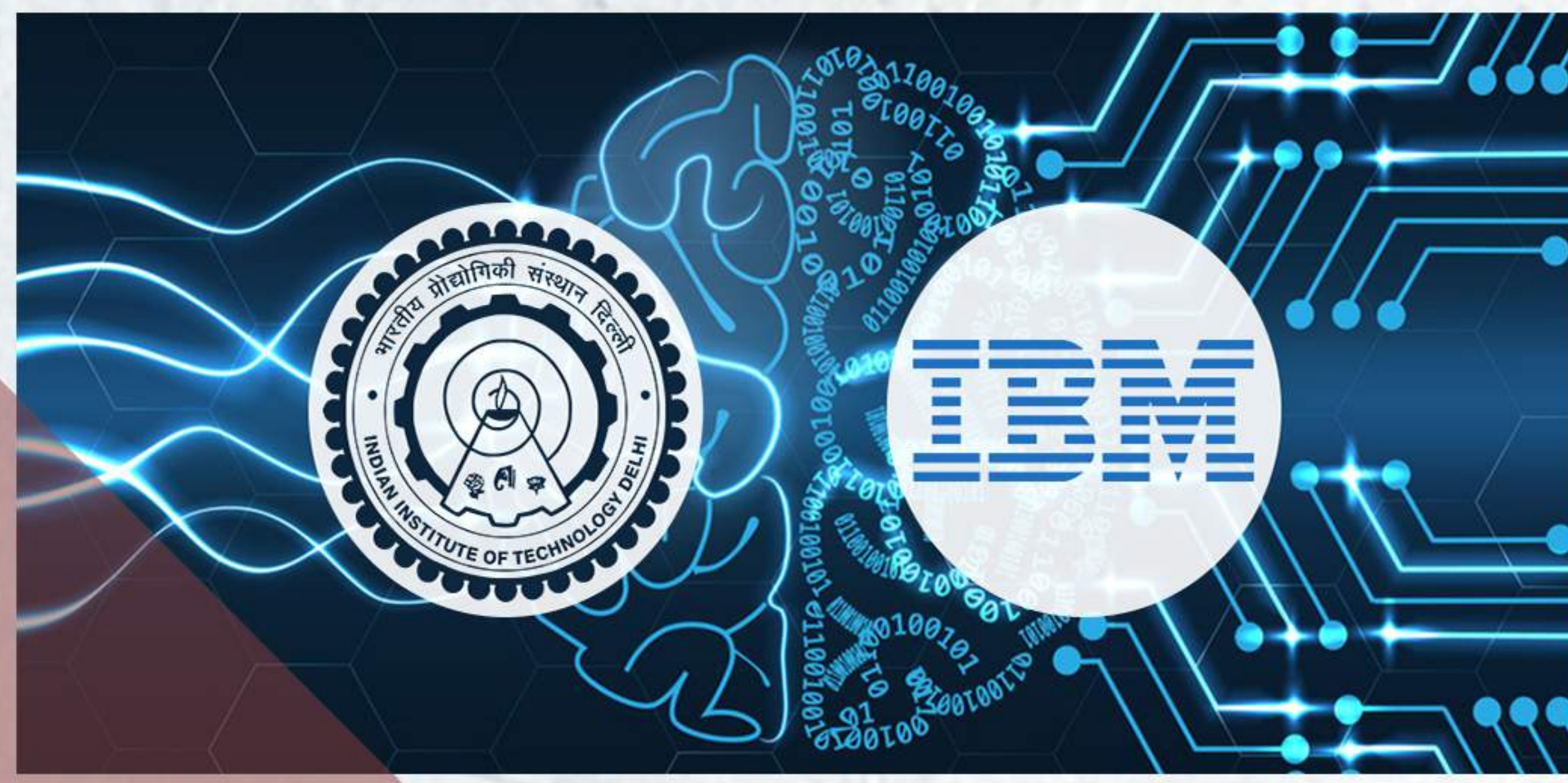
High Value Sponsored Research Projects (sanctioned value of Rs. 100 lakh and above) from January-March 2018 ▶

- Methanol Production from Indian Coal: Pilot Plant Demonstration, Catalysis and Scale-up Technologies sponsored by Department of Science & Technology.
(Sanctioned Value: ₹3824.68 Lakh).
- Virtual Labs (Phase III) sponsored by Ministry of Human Resource & Development.
(Sanctioned Value: ₹1500 Lakh).
- Development of Biocompatible Non-fluorinated Surfactant System for Fluoro-polymer Polymerization sponsored by Gujarat Fluorochemicals Ltd.
(Sanctioned Value: ₹274.53 Lakh).
- Improvement of S&T Infrastructure in Centre for Applied Research in Electronics, IIT Delhi sanctioned under FIST Scheme of DST.
(Sanctioned Value : ₹158 Lacs).
- CYCLOPES: Proposal for monitoring landslide movement using large arrays of cooperating cyber-physical systems sponsored by Department of Science & Technology.
(Sanctioned Value: ₹150 Lakh).
- Civil Society Advocacy and Inclusive Development in India sponsored by Netherlands Organization for Scientific Research.
(Sanctioned Value: ₹133.72 Lakh).
- Identification and Demonstration of Cost effective Technologies to Maximize habitat Energy self-sufficiency sponsored by Department of Science & Technology.
(Sanctioned Value: ₹124.22 Lakh).

Corporate Relations

Corporate Relations, IIT Delhi has just initiated our ground work towards establishing a healthcare focused, S&T based **entrepreneurial hub at Jhajjar, Haryana**. A brainstorming workshop was organized on the 6th of February with participation from key stakeholders like Dr. M K Bhan, Mr. Sujay Shetty, Prof. Ashok Jhunjhunwala, Dr. Renu Swarup, Ms. Deepanwita Chattopadhyay, Dr. V Premnath, Prof. Milind Atrey, Mr. S Balram, Dr. Shirshendu Mukherjee, Mr. Amit Jain, Dr. Anil Koul and Dr. Satya Dash, who joined us from across the country. It is exciting to begin our quest towards building a world class facility to support the bio-innovation ecosystem.

Ms. Tuhina Verma, M.Tech (CS), IIT Delhi is a proud **Yes Future Ready Scholar** for the year 2018. YES Future Ready is an initiative by YES Bank to impart future-ready skills to the students. It is a one year scholarship and mentorship program. 30 scholars were chosen from 22 select B-schools and Tech institutes after 3 shortlisting rounds. She received a scholarship of 2 Lakh rupees, access to an online future ready course and professional mentorship under a top executive of YES Bank.



IITD-IBM hosted a **Joint Workshop on AI/ML** on March 27. The two organizations are in advanced stages of discussion to further expand collaboration activities through skill development programs, technical research projects and CSR initiatives. Tek Travels Pvt Ltd has just created a scholarship program to support female students enrolled in PG program - CSE Department, IIT Delhi. The program will further give a boost to women researcher ecosystem on-campus and help them pursue their dreams.

Corporate Relations is facilitating a fund raising and implementation support drive for our construction partners who would be helping with the six ongoing and upcoming mega construction projects on-campus. The intent of this drive is to initiate and promote care for the little children who accompany their parents to the construction site. See back cover for more details.



IITD will soon be initiating preparatory activities for **Industry Day 2018 - A platform to Converge, Collaborate and Co-Create** with Industry. We invite faculty and students come together to enlighten the outside world of our achievements, capabilities and avenues to join hands towards creating positive transformations for the global community. Stay tuned!



Alumni Affairs



IIT Delhi Giving Day ►

IIT Delhi's first ever "Giving Day" was organized on March 22. The campaign was very successful and ₹25 Lakhs was raised in less than 10 days. Star Donors were Mohit Aron (\$15000), Saurabh Mittal (₹5,00,000) and R. H. Dalmia (₹1,00,000).

All contributions on this "Giving Day" will be utilized to create a Corpus for the retired IIT Delhi employees. More than 100 alumni and well-wishers of IIT Delhi participated in this campaign.



Events ►

The batch of 1967, Chemical Engineering IIT Delhi, celebrated their Golden Jubilee Reunion on February 24.



Philanthropic contributions raised by AAIP Office ►

Alumni Affairs and International Programmes office have been making active efforts to raise funds for various Institute initiatives. The updated status of various corpuses being developed and donations received during the period are given below:

- (1) IIT Delhi Giving Day (22.03.2018): ₹23,90,551/-.
- (2) Silver Jubilee Endowment by 1993 Batch : ₹76,19,562/-.
- (3) Batch of 1997 Corpus: ₹9,70,000/-.
- (4) Golden Jubilee 1967 Batch Corpus: ₹3,22,000/-.
- (5) Batch of 66 Chair and High Tech Chair: ₹63,94,000/-.
- (6) IITD CS&E Research Acceleration Fund: ₹99,31,718/-.
- (7) Wellness Fund Phase 1: ₹2,12,300/- .
- (8) Neeraj Arora (for Faculty Awards) : ₹40,00,000/-.
- (9) Ajay Gupta (for Chair) : ₹1,00,00,000/-.
- (10) Ajay Chatterjee (for Excellence Award) : ₹2,85,319/-.



A day with an Alum: Visit to Dalmia Bharat Ltd.►

This is a new initiative by the AAIP Team. Under this initiative, small batches of interested students are selected from IITD to spend a day at the office of an eminent alumni to help them develop and shape their vision.

In the first visit under this initiative, a group of 11 students visited IITD alumni Mr. RH Dalmia and Mr. Puneet Dalmia who sponsored an industrial and corporate exposure trip at Dalmia Bharat Ltd. on April 3. The students attended interactive sessions with the business stalwarts.



Others ►

- (1) The Dean (AA&IP) attended the 'First ILDP Committee Meeting' at International Conference Centre Hiroshima, Japan during January 16-19, 2018.
- (2) The Dean (AA&IP) participated in the 'All IITs Dean Alumni Meet' at IIT Guwahati during January 23-25, 2018.

International Delegations



- A 2 member delegation from Ahilia University, Kingdom of Bahrain visited the Institute on February 8.
- A 20 member delegation from Advantage Austria visited the Institute on January 29 to understand the current status, main objectives and peculiarities regarding technology and innovation in India specifically in the fields of Big Data analytics, Cyber Security, Artificial intelligence etc.
- A 5 member delegation from Taiwanese Semiconductor IC design (A.K.A. Electronic Design Automation, EDA) Tool Company visited the Institute on March 9.
- A 3 member delegation from University of Paris-Saclay visited the Institute on March 12 for the French-Indian Knowledge Summit.
- A delegation from SDU, Denmark visited the Institute on March 12.
- 15 member delegation with His Majesty King Abdullah II IBN Al-Hussein of Jordan visited the institute on February 28th 2018.
- A 3 member delegation from Clemson University, USA visited the Institute on April 3rd 2018 for signing the MoU between IITD and Clemson University.
- A 3 member delegation with Ambassador of Korea visited the Institute on March 22.

Awards To Faculty



Prof. Manan Suri (EE)

Honored by MIT Technology Review as one of the top 10 Innovators under 35 from INDIA.



Prof. Ravinder Kaur (Humanities)

Awarded the "**Delhi School of Economics Distinguished Alumni Award**" from the Delhi School of Economics, University of Delhi.



Prof. Ranjan Mallik (EE)

Awarded the "**JC Bose Fellowship**", by SERB (DST).



Prof. Bhim Singh (EE)

Awarded the "**Faculty Research Award**", by Careers360, it is a premier education advisory company.



Prof. Ravi Shankar (Management Studies)

Awarded the "**Outstanding Faculty Award**", by Ministry of Human Resource Development Govt of India.

The team "RehaBrain" from Centre for Biomedical Engineering was awarded the Ericsson Innovation Awards 2018 Regional Winner for India. The team "RehaBrain" is led by PhD research scholar Ms. Neha Singh under the mentorship of Prof. (Dr.) Amit Mehndiratta from CBME. "RehaBrain" is seeking to understand an elusive scientific truth – that of the neuroplasticity of the human brain after trauma by developing a low cost, portable neuro rehabilitation device.

Further details are available at:
<https://www.ericsson.com/en/events/eia-2018/2018-eia-winners>



Sports News

Sangram 2018, IIT Roorkee ►

Athletics Men - 🥇 (Player of the tournament - **Dileep Pudi**)
Athletics Women - 🥈
Hockey - 🥇
Cricket - 🥇 (Player of the tournament - **Kumar Sahaj**)
Squash - 🥇 (Player of the tournament - **Vedant Patel**)
Badminton Men - 🥇 (Player of the tournament - **Amit Kothari**)
Table Tennis Men - 🥈 (Player of the tournament - **Karan Birpali**)
Volleyball men - 🥇 (Player of the tournament - **Shivjeet Singh**)
Volleyball women - 🥇
Weightlifting - 🥈



Sportech 2018, IIT Delhi ►

Athletics Men - **First**
Athletics Women - (Player of the tournament - **Namrata Tripathi**)
Hockey - 🥇 (Player of the tournament - **Samarth Mohan**)
Cricket - 🥇
Basketball Women - 🥇
Football - 🥇 (Player of the tournament - **Yash Chandra**)
Squash - 🥇 (Player of the tournament - Vedant Patel)
Badminton Men - 🥇 (Player of the tournament - **Amit Kothari**)
Lawn Tennis Men -
🥇 (A Team), 🥇 (B team) (Player of the tournament - **Adhhayan**)
Table Tennis Men - 🥇 (Player of the tournament - **Karan Birpali**)
Table Tennis Women - 🥇 (Player of the tournament - **Medha Agrawal**)
Volleyball men - 🥈 (Player of the tournament - **Manmohan Meena**)
Volleyball women - 🥈



Inter Hostels ►

Girls

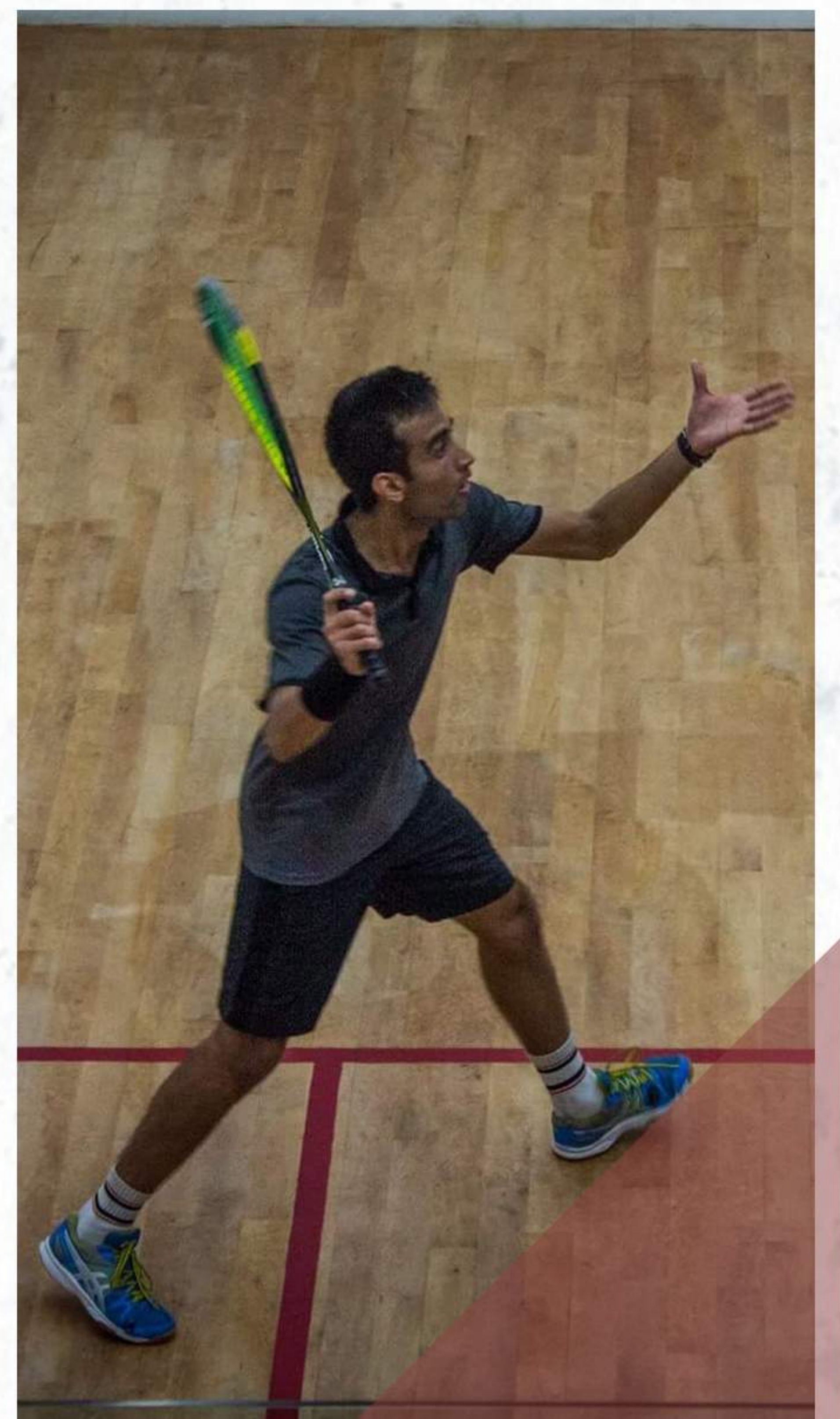
Athletics - Himadri
Swimming - Kailash Himadri Tie
Basketball - Himadri
Tennis - Himadri
Table Tennis - Himadri
Volleyball - Himadri
ISC - Himadri
Football - Kailash

Overall

Jwalamukhi - First
Zanskar - Second
Girnar - Third

Boys

Weightlifting - Shivalik
Hockey - Karakoram
Football - Shivalik
Cricket - Karakoram
Volleyball - Jwalamukhi
Table Tennis - Zanskar
Lawn Tennis - Aravali
Badminton - Zanskar
Water Polo - Aravali
Swimming - Aravali
Table Tennis - Zanskar
Athletics - Jwalamukhi
ISC - Satpura
Basketball - Zanskar



Sports News

Sports Projects ►

The Board For Sports Activities (BSA) has brought to the students a one of a kind of opportunity to get design credits through working on a project in sports innovation. This is the first time that people can get design credits for projects which exemplifies innovation in sports technology. Students can even think of their own projects and approach BSA for approvals. Upon review and approval of the projects and evaluation by the committee, the student is eligible to earn 1-2 NDN units. This is a great learning platform for sports enthusiasts to identify challenges and model solutions based in the domain of sports and fitness and also earn credits.



Inter Hostel Football for Women ►

Football for women was given a lot of emphasis this semester. Along with organizing daily practices and selection for good, interested players, a coach was also arranged. To mark the end of the semester's long practice session, an inter hostel match was held between Kailash and Himadri. The main aim of the game was not to win but to make them learn the rules of the game as there were a lot of hand-balls and outside-balls and some penalties as well. Kailash emerged victorious in the end.



Kabbadi ►

BSA has invited the student community to learn and play Kabaddi every Friday and explore this Indian sport. The Kabaddi ground is open for all players every evening.





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