ADDRESSING GULF MEDIA

A media delegation from the Gulf nations (Saudi Arabia, UAE, Kuwait, Oman, and Bahrain) visited IIT Delhi on 15th January 2024 under an initiative by the Ministry of External Affairs, Government of India.

The media persons visited the Institute’s Research and Innovation Park and interacted with startups and senior functionaries (Prof. Naresh Bhatnagar, Dean, R&D; Prof. James Gomes, Dean, International Programmes and Prof. Shantanu Roy, Executive Director, IIT Delhi-Abu Dhabi) at IIT Delhi.

VISIT OF HUJI DELEGATION

Prof. Oron Shagrir, Vice President (International Affairs) along with four other high-level delegates from Hebrew University of Jerusalem, Israel (HUJI) visited IIT Delhi on 5th February 2024 to discuss opportunities for future collaboration.

The joint research collaboration for product realization, faculty exchange program for big grant proposals, visit of faculty members, students, and post-doc students, joint summer/winter school and academic-industry collaboration on specific research areas of mutual interest were discussed in the meeting.
A delegation led by H.E. David Pine, New Zealand High Commissioner and the University of Canterbury, University of Waikato, Lincoln University and University of Auckland, visited IIT Delhi to augment the research collaboration with faculty members in the research areas of Energy on 12th & 13th February 2024. An introductory meeting with the University of Canterbury delegates was conducted on 12th February 2024 followed by a brainstorming session on Industry Connect and the roadmap for the future of Green Hydrogen. On 13th February 2024, an academic symposium of the delegates and faculty members of IIT Delhi in the research area of ‘Renewable Energy: Taking an Ecosystem Approach to STEM Learning’ along with the presentation of the joint project between IIT Delhi and New Zealand were conducted.
An umbrella MoU was signed between the Indian Institute of Technology Delhi and Bharat Petroleum Corporation Ltd. (BPCL), Mumbai, on 26th March 2024 for pursuing collaborative research activities between the two organizations for a period of 10 years. Such engagement would aim to generate new knowledge in cutting-edge research and also to promote academic growth by offering state-of-the-art undergraduate, post-graduate, and doctoral programs. At the initial stages, the research groups shall be led by BPCL, the Corporate R&D Centre at Greater Noida and the Department of Chemical Engineering, IIT Delhi, in a collaborative mode of research & technology development. Read More>>

IIT Delhi renewed the Memorandum of Understanding for a Collaborative Research Grant Program with Hebrew University of Jerusalem, Israel (HUJI). The MoU originally signed on 03rd January 2021 was renewed on 28th March 2024 for another 5 years further to strengthen the joint collaborative research between the two institutions.
**R SYSTEMS CENTER OF EXCELLENCE ON APPLIED AI FOR SUSTAINABLE SYSTEMS**

R Systems International Limited - a global frontrunner in digital product engineering and technological solutions, signed an MoU with IIT Delhi on 22nd February 2024 to establish a Center of Excellence (CoE) focusing on **Applied AI for Sustainable Systems**. This CoE is envisioned to encompass a state-of-the-art research laboratory, the establishment of an endowed faculty chair and the introduction of scholarships based on merit of students. This endeavour highlights R Systems' strategic emphasis on fostering innovation, advancing contemporary skills and cultivating profound technological expertise.

The MoU was signed by Prof. Naresh Bhatnagar, Dean (R&D) and Prof. Preeti Ranjan Panda, Dean (Corporate Relations). This strategic investment and partnership mark a significant milestone that will push the boundaries in advanced research and innovation in the field of Applied AI. Read More >>
The **Third Call** for joint collaborative research proposals between the Indian Institute of Technology Delhi (IITD) and Delft University of Technology (TU Delft) was announced on 29th February 2024. Proposals were invited from research areas namely Climate, Energy & Sustainability, Healthcare and MedTech (Medial Implants), Microelectronics and Semiconductors (Terahertz Communications), Quantum Technology and Smart Materials & Manufacturing.

The **First Call** for joint collaborative research proposals between the Indian Institute of Technology Delhi (IITD) and Sorbonne University (SU), France was announced to develop collaborative research activities in the broad thematic areas of Health Sciences and Medical Technologies on 15th March 2024. This call invited joint proposals from all domains of Health Sciences namely Structural Biology, Modeling and Drug Development, Healthcare and Societal Impact, Cancer Biology, Therapeutics & Personalized Medicine, Regenerative Medicine, Stem cell Biology & Biotechnologies, Neurodegenerative Diseases and Cognitive Impairment, Artificial Intelligence in Healthcare and Biomedical Engineering & Medical Technologies.
NYCU-IIT Delhi Joint Project Review Meeting

An interim project review of the ongoing seventeen (17) projects between IIT Delhi and National Yang-Ming Chiao Tung University (NYCU), Taiwan was conducted on 20th February 2024. A significant research progress in terms of twenty three (23) international publications, ten (10) conference papers, supervision of twelve (12) joint doctoral students and nine (9) project proposals have been submitted to the external funding agency.

TU Delft-IIT Delhi Joint Project Review Meeting

A review meeting of five (5) joint projects between IIT Delhi and TU Delft was conducted on 27th February 2024. Significant progress in terms of four (4) international journal publications, presentation of three (3) papers in a conference, co-supervision of three (3) PhD students and two (2) Master students, as well as grant of two extramural joint projects and submission of joint project proposal to external funding agency was the major outcome of this joint research collaboration.

UB-IIT Delhi Joint Project Review Meeting

A review of the ongoing ten (10) projects between IIT Delhi and the University of Buffalo was conducted on 8th March 2024. About four (4) international journal publications, presentation of two (2) paper in conference, five (5) joint project proposal have been submitted to external funding agency and total six (6) research scholars including three (3) PhD scholars are supervised under this joint research collaboration.
NEW SPONSORED RESEARCH PROJECTS & CONSULTANCY PROJECTS

SPONSORED RESEARCH PROJECTS

<table>
<thead>
<tr>
<th>Month</th>
<th>Total Projects</th>
<th>Total Funds (Rs. in Crores)</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td>18</td>
<td>₹23.79 Cr.</td>
</tr>
<tr>
<td>February</td>
<td>25</td>
<td>₹35.49 Cr.</td>
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<tr>
<td>March</td>
<td>37</td>
<td>₹26.24 Cr.</td>
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Total 80 Sponsored Research Projects worth ₹85.52 Crores

CONSULTANCY PROJECTS

<table>
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<tr>
<th>Month</th>
<th>Total Projects</th>
<th>Total Funds (Rs. in Crores)</th>
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<tr>
<td>January</td>
<td>38</td>
<td>₹2.55 Cr.</td>
</tr>
<tr>
<td>February</td>
<td>32</td>
<td>₹2.67 Cr.</td>
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<tr>
<td>March</td>
<td>23</td>
<td>₹1.32 Cr.</td>
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</tbody>
</table>

Total 93 Consultancy Projects worth ₹6.54 Crores
HIGH-VALUE SPONSORED RESEARCH PROJECTS
(Valued ₹1 Crore and above)

PROF. R ALAGIRUSAMY
DEPT. OF TEXTILE & FIBRE ENGINEERING

SA: National Technical Textiles Mission, Ministry of Textiles, India

₹15.50 Crores

PROF. KRISHNA KUMAR SIROHI
BHARTI SCHOOL OF TELECOMMUNICATION TECHNOLOGY & MANAGEMENT

Project: Developing & setting up 5G private network infrastructure and implementing multiple 5G and beyond use cases at THDCIL campus.
SA: THDC India Limited

₹9.50 Crores

PROF. SRIKANTA BEDATHUR JAGANNATH
SCHOOL OF INFORMATION TECHNOLOGY

Project: R Systems Centre of Excellence on Applied AI for Sustainable Systems
SA: R Systems International Ltd., India

₹8.95 Crores

PROF. MAHIM SAGAR
DEPT. OF MANAGEMENT STUDIES

Project: EdTech Tulna: Awareness, Engagement and Empowerment of Public and Institutions for adoption of Education Technology Products
SA: Omidyar Network Fund Inc. (IU), United States of America

₹6.60 Crores

PROF. KAUSTUV MANNAN
DEPT. OF PHYSICS

Project: High quality single crystal growth of nonlinear crystals for quantum communications
SA: Directorate of Futuristic Technology Management, DRDO, India

₹5.55 Crores

PROF. DEEPAK JOSHI
CENTRE FOR BIOMEDICAL ENGINEERING

Project: Expansion and Scale-up of Medtech Innovation Training Programme: School of International Biodesign (SiB): Phase-V (Five Years: 2022-2026)
SA: Department of Biotechnology, Ministry of Science & Technology, GoI

₹3.89 Crores
## HIGH-VALUE SPONSORED RESEARCH PROJECTS (Contd.)
(Valued ₹1 Crore and above)

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Project</th>
<th>Sponsoring Agency</th>
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<tr>
<td>PROF. MANAN SURI</td>
<td>DEPT. OF ELECTRICAL ENGINEERING</td>
<td>AI for cyber security under NSM</td>
<td>Ministry of Electronics and Information Technology, India</td>
</tr>
<tr>
<td>PROF. SUDIPTO MUKHERJEE</td>
<td>DEPT. OF MECHANICAL ENGINEERING</td>
<td>Human assist Mule: Khacchar</td>
<td>THDC India Limited</td>
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<tr>
<td>PROF. SUMITASH JANA</td>
<td>DEPT. OF HUMANITIES &amp; SOCIAL SCIENCES</td>
<td>From the lab to real-world: Towards an ecological valid understanding of inhibitory control</td>
<td>Welcome Trust/DBT India Alliance</td>
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<td>PROF. SUMIT SINHA RAY</td>
<td>DEPT. OF TEXTILE &amp; FIBRE ENGINEERING</td>
<td>Indigenous development of meltblowing system for fabrication of waste plastic bottle derived nonwoven</td>
<td>National Technical Textiles Mission, Ministry of Textiles, India</td>
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<tr>
<td>PROF. ANUJ DHAWAN</td>
<td>DEPT. OF PHYSICS</td>
<td>High quality single crystal growth of nonlinear crystals for quantum communications</td>
<td>Directorate of Futuristic Technology Management, DRDO, India</td>
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</table>

**JANUARY - MARCH 2024**

- ₹3.71 Crores
- ₹3.64 Crores
- ₹3.64 Crores
- ₹3.38 Crores
- ₹2.97 Crores
# HIGH-VALUE SPONSORED RESEARCH PROJECTS (Contd.)

(Valued ₹1 Crore and above)

<table>
<thead>
<tr>
<th>Professor</th>
<th>Project</th>
<th>Sponsor</th>
<th>Amount (Crores)</th>
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<tbody>
<tr>
<td>Prof. Krishna B Balasubramanian</td>
<td>Development of AQI sensors for ATMAN</td>
<td>Robotics Society of India IIT Kanpur, India</td>
<td>₹2.33</td>
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<td>Prof. Nezamuddin N</td>
<td>Transitioning to Sustainable and Climate Friendly E-Mobility in India</td>
<td>Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ), GmbH, Germany</td>
<td>₹2.09</td>
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<tr>
<td>Prof. Manidipa Banerjee</td>
<td>Identification of key ligands/ligand complexes on Plasmodium falciparum merozoite using Cryo-EM, proteome and immunological approaches- A step towards the development of an efficacious malaria blood stage vaccine</td>
<td>Wellcome Trust/DBT India Alliance, India</td>
<td>₹1.90</td>
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<tr>
<td>Prof. Sarvesh Kumar Srivastava</td>
<td>Orally Ingestible Targeted Radical Polymerization (TRAP) Microdevices for Non-Invasive Sampling of the Upper Gastrointestinal Tract</td>
<td>ICMR, India</td>
<td>₹1.22</td>
</tr>
<tr>
<td>Prof. Dhiman Mallick</td>
<td>Low-cost Wearable Sensor System for Mapping Plantar Pressure in the Assessment of Diabetic Foot Ulcers</td>
<td>ICMR, India</td>
<td>₹1.14</td>
</tr>
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</table>
HIGH-VALUE CONSULTANCY PROJECTS
(Valued ₹25 lakhs and above)

PROF. SUKUMAR MISHRA
DEPT. OF ELECTRICAL ENGINEERING

- SA: New Okhla Industrial Development Authority, Noida, India

₹42.50 Lakhs

PROF. MANMOHAN PRASAD GUPTA
DEPT. OF MANAGEMENT STUDIES

- Project: Impact Assessment of Ministry of Education’s Innovation Cell
- SA: All India Council For Technical Education, New Delhi, India

₹37.20 Lakhs

PROF. R AYOTHIRAMAN
DEPT. OF CIVIL ENGINEERING

- Project: Evaluation of Suitability of Dredged Soil as Backfill in Marin Infrastructure Project Site at Koteshwar, Bhuj & Recommendation of Remedial Measures
- SA: Central Public Works Department, Gujarat, India

₹30 Lakhs

PROF. NEERAJ KUMAR JHA
DEPT. OF CIVIL ENGINEERING

- Project: Construction of Govt. Medical College & Hospital at Jhanjharpur, District Madhubani, Bihar
- SA: Bihar Medical Services & Infrastructure Corporation Limited, Patna, India

₹25 Lakhs
OTHER ACTIVITIES

**InvenTiv 2024**
This year, 4 cutting-edge innovations – 1) Ocular Drug Delivery Device by Prof. Dinesh Kalyanasundaram, 2) Design and Development of Lightweight Bulletproof Jacket (BPJ) by Prof. Naresh Bhatnagar, 3) Development of a Cognitive Model for an Intelligent Robotic Teammate by Prof. Rohan Paul and 4) Fiber-based quantum secure communication by Prof. Bhaskar Kanseri were selected by the TEC committee of the InvenTiv 2024 Exhibition to represent IIT Delhi on 19th & 20th January 2024 at IIT Hyderabad. The institute’s cutting-edge innovations were lauded by the Hon’ble Minister of Education, Shri Dharmendra Pradhan who visited stalls of IIT Delhi at the IIT Hyderabad event.

**IPHE Outreach Event 2024**
Prof. Naresh Bhatnagar, Dean (R&D), set the context and spoke as a panelist on “Empowering Expertise: Cultivating Skill Development in the Clean/Green Hydrogen Arena” at the Outreach Event of the 41st IPHE Steering Committee held at the Indian Institute of Technology on 18th March 2024. The discussion was focused on the development of the knowledge and skills necessary to thrive in the clean/green hydrogen sector. [Read More]>

**Ministry of Rural Development partners with IIT Delhi**
Ministry of Rural Development, GoI and IIT Delhi signed MoU on 12th March 2024 aimed at leveraging ground and space-based geospatial technologies along with Artificial Intelligence to monitor and manage assets under MGNREGA. [Read More]>>
"You must enjoy the journey because whether or not you get there, you must have fun on the way."

DR. KALPANA CHAWLA
(17 MARCH 1962 - 01 FEBRUARY 2003)
FIRST WOMAN OF INDIAN ORIGIN TO FLY TO SPACE