

2025

# ACCELERATING INNOVATION

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IIT KANPUR'S  
GROWTH ROADMAP





# OVERVIEW

IIT Kanpur stands at the threshold of a transformative era, driven by an ambitious vision to redefine excellence in education, research, and innovation. To realize this vision, we aim to secure \$600 million in funding over the next three years - a bold step toward shaping a future-ready institution that fosters groundbreaking advancements and global impact.

This funding initiative is a collaborative effort, with 40% of the costs supported by the Institute and Government, 50% contributed by our alumni, and 10% from other donors, including corporate partners (CSR initiatives).

The investment is strategically allocated across three key pillars:

- **Infrastructure:** Expanding and modernizing academic and research facilities, student amenities, and cutting-edge laboratories.
- **Programs:** Strengthening faculty and student support through scholarships, fellowships, and academic excellence initiatives.
- **Key Focus Areas:** Advancing strategic domains such as Quantum Technology, MedTech and Drug Discovery.

The following sections of this document provide a detailed breakdown of each category, outlining specific projects, their financial requirements, and their long-term impact. Through this roadmap, we aim to ensure transparency, accountability, and strategic alignment with IIT Kanpur's mission of driving innovation and global leadership.

This vision is not just about funding - it is about creating a lasting legacy of innovation and impact. We invite alumni, industry leaders, and philanthropic partners to join us in this mission, ensuring that IIT Kanpur continues to lead as a world-class institution.

## SHAPING THE FUTURE, TOGETHER.

# INFRA STRUCTURE

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All listed costs are stated in US Dollars (USD).

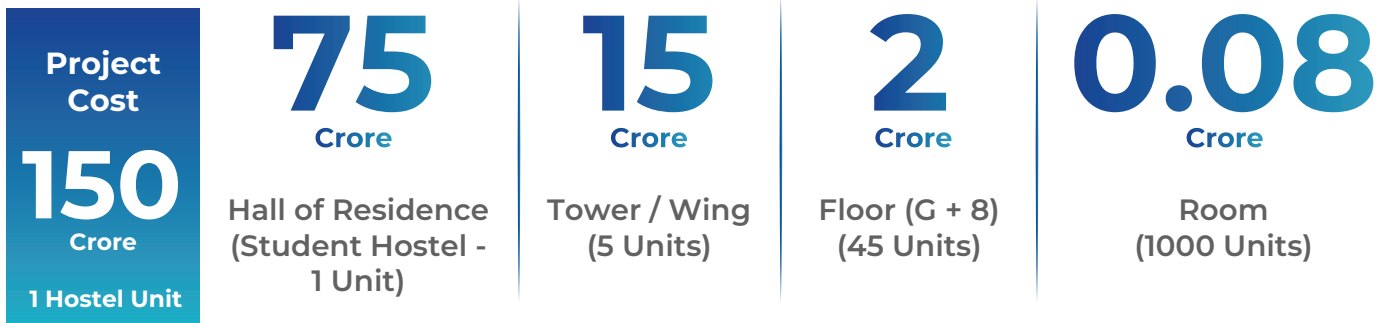
# HALLS OF RESIDENCE (STUDENT HOSTELS)

To accommodate IIT Kanpur's growing student community, we are expanding our residential infrastructure with four new Halls of Residence - Hall 15 (for girls) and Halls 16, 17, and 18 (for boys). These new AC-hostels will provide modern, comfortable, and sustainable living spaces, ensuring students have the best environment to learn, collaborate, and thrive. On-campus housing fosters a strong sense of community, enhances academic productivity, and enriches campus life, making IIT Kanpur a truly immersive educational experience.

Project  
Cost

**600**  
Crore

## HALL OF RESIDENCE Naming Opportunities



## ESTABLISHING NEW HALLS OF RESIDENCE



# PRESERVE YOUR IIT KANPUR STORY: NAME YOUR ROOM

Your hostel room at IIT Kanpur was where friendships were forged, ideas took shape, and unforgettable memories were made. Now, you have the unique opportunity to name your room in Hall 1, 2, or 3, leaving a lasting legacy in the very place that shaped your journey. Your contribution will significantly enhance the living experience for current and future students by supporting infrastructure upgrades, improved amenities, and a more vibrant residential environment.



Naming Opportunity

Applicable to  
Hall 1, Hall 2 & Hall 3



# CENTRAL DINING HALL & STUDENT'S CENTER

A vibrant campus experience goes beyond academics - food, social spaces, and community engagement play a crucial role in student life. The Central Dining Hall & Student Center at IIT Kanpur will serve as a modern, inclusive space where students can enjoy nutritious meals, unwind, and connect with peers. Designed to accommodate a growing student population, this facility will offer diverse dining options, foster a sense of community, and provide a dynamic hub for relaxation and collaboration, enriching the overall campus experience.

Project Cost

**31**  
Crore

## CENTRAL DINING HALL & STUDENT'S CENTER

**15**  
Crore

**CENTRAL DINING HALL & STUDENT'S CENTER**  
Naming Opportunity



# SAC EXTENSION

The construction of a new Student Activity Centre (SAC) is essential to support the growing number of extracurricular activities at IIT Kanpur. The existing infrastructure is inadequate for over 60 student clubs and organizations. A modern SAC will provide dedicated spaces, advanced facilities, and ample room to foster student engagement and holistic development.

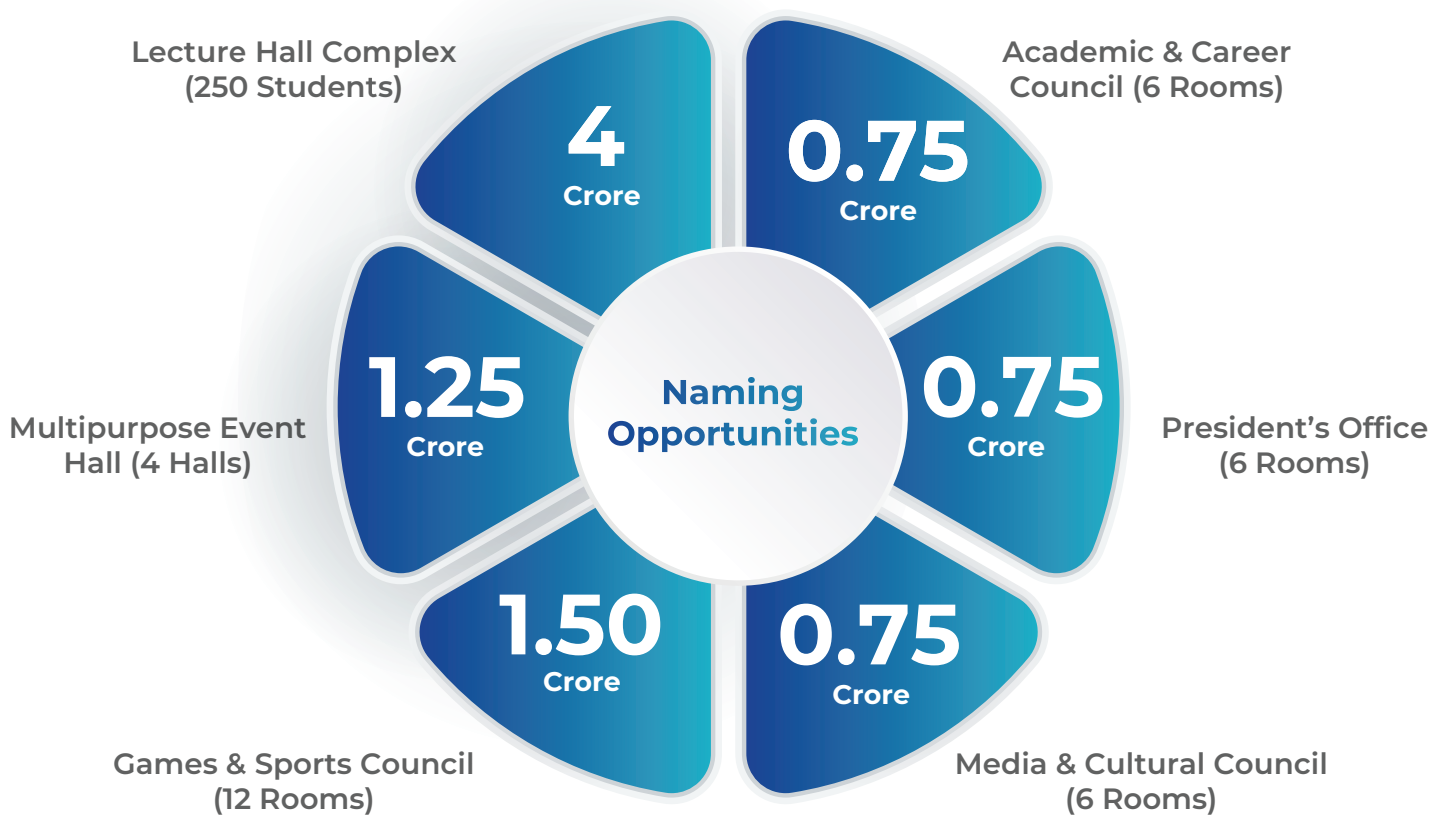
Project  
Cost

**25**  
Crore

**12.5**  
Crore

SAC  
EXTENSION

Naming Opportunity



# FACELIFT & UPGRADATION OF SPORTS FACILITIES

Enhancing IIT Kanpur's sports facilities is crucial to meeting the increasing demand for diverse athletic activities and improving the overall sports experience. Upgraded infrastructure will boost performance, reduce injury risks, and ensure year-round usability. Modern amenities will support competitive athletics, nurture talent, and elevate IITK's standing in Inter-IIT and other events.

Project  
Cost

**60**  
Crore

**30**  
Crore

**MULTI STOREY  
SPORTS FACILITY**  
Naming Opportunity

## FACELIFT & UPGRADATION OPPORTUNITIES

**6**  
Crore

Dome Structure  
Covering Basketball,  
Volleyball Courts  
& Taekwondo

**6**  
Crore

Facelift &  
Upgradation  
of Main Stadium-  
Synthetic Track

**3**  
Crore

Facelift &  
Upgradation of  
Swimming Pool



# ACADEMIC BUILDINGS

Expanding lecture halls is essential to accommodate growing student intake, enable modern teaching methods, and support large-scale lectures, conferences, and workshops. Well-equipped spaces enhance learning, foster collaboration, and improve academic engagement. Upgraded infrastructure ensures efficient knowledge delivery, aligning with the institute's vision for academic excellence and future growth.

Project Cost

**100**  
Crore

## LECTURE HALLS

**50**  
Crore

**LECTURE HALLS**  
Naming Opportunity

**10** 250 SEATER  
Lecture Halls

**10** 120 SEATER  
Lecture Halls



**250 Seater**  
Lecture Hall  
(1 Unit)



**120 Seater**  
Lecture Hall  
(1 Unit)



# CENTRAL RESEARCH FACILITIES

The Central Research Facility (CRF) at IIT Kanpur will unify advanced research capabilities, promoting interdisciplinary collaboration and shared access to high-end equipment. It will support key areas like semiconductor processing, materials fabrication, spectroscopy, microscopy, and device characterization—crucial for progress in electronics, energy, healthcare, and quantum technologies. By centralizing resources, the CRF will enhance training, reduce infrastructure duplication, and accelerate scientific discovery and innovation across diverse domains.

Project  
Cost

**524**  
Crore

## SEMICONDUCTOR AND DEVICE PROCESSING CENTER

Project  
Cost

**160**  
Crore

**80**  
Crore

### SEMICONDUCTOR AND DEVICE PROCESSING CENTER

Naming Opportunity

**30**  
Crore

Patterning  
& Lithography  
Facility

**25**  
Crore

Thin Film  
Growth Facility

**15**  
Crore

Clean  
Room Facility

**10**  
Crore

Metrology &  
Characterization  
Facility

### FACILITY

Naming Opportunities



## ADVANCED MATERIALS FABRICATION CENTER

Project Cost  
**32**  
Crore

**16**  
Crore

### ADVANCED MATERIALS FABRICATION CENTER

Naming Opportunity

**6**  
Crore

3D  
Printing Facility

**5**  
Crore

Single Crystal  
Growth Facility

**5**  
Crore

Laser  
Processing Facility

### FACILITY

Naming Opportunities

## ADVANCED STRUCTURAL CHARACTERIZATION & SPECTROSCOPY CENTER

Project Cost  
**150**  
Crore

**75**  
Crore

### ADVANCED STRUCTURAL CHARACTERIZATION & SPECTROSCOPY CENTER

Naming Opportunity

**30**  
Crore

Electronic  
Spectroscopy  
Facility

**30**  
Crore

Compositional  
Spectroscopy  
Facility

**15**  
Crore

Structural &  
Molecular  
Spectroscopy Facility

### FACILITY

Naming Opportunities

## ADVANCED MICROSCOPY CENTER

Project  
Cost

**110**  
Crore

**55**  
Crore

ADVANCED  
MICROSCOPY CENTER  
Naming Opportunity

**7.5**  
Crore

X-Ray  
Microscopy  
Facility

**17.5**  
Crore

High-Resolution  
Microscopy  
Facility

**17.5**  
Crore

Cryo & Magnetic  
Microscopy  
Facility

**3**  
Crore

Confocal  
Microscopy  
Facility

**10**  
Crore

Surface  
Microscopy  
Facility

### FACILITY

Naming Opportunities

## DEVICE CHARACTERIZATION CENTER

Project  
Cost

**35**  
Crore

**17.5**  
Crore

DEVICE CHARACTERIZATION  
CENTER  
Naming Opportunity

**7.5**  
Crore

Magnetic  
Characterization  
Facility

**7.5**  
Crore

Functional  
Characterization  
Facility

**2.5**  
Crore

Thero - Optical  
Characterization  
Facility

### FACILITY

Naming Opportunities

# MECHANICAL CHARACTERIZATION CENTER

Project Costs

**35**  
Crore

**25**  
Crore

MECHANICAL CHARACTERIZATION CENTER  
Naming Opportunity

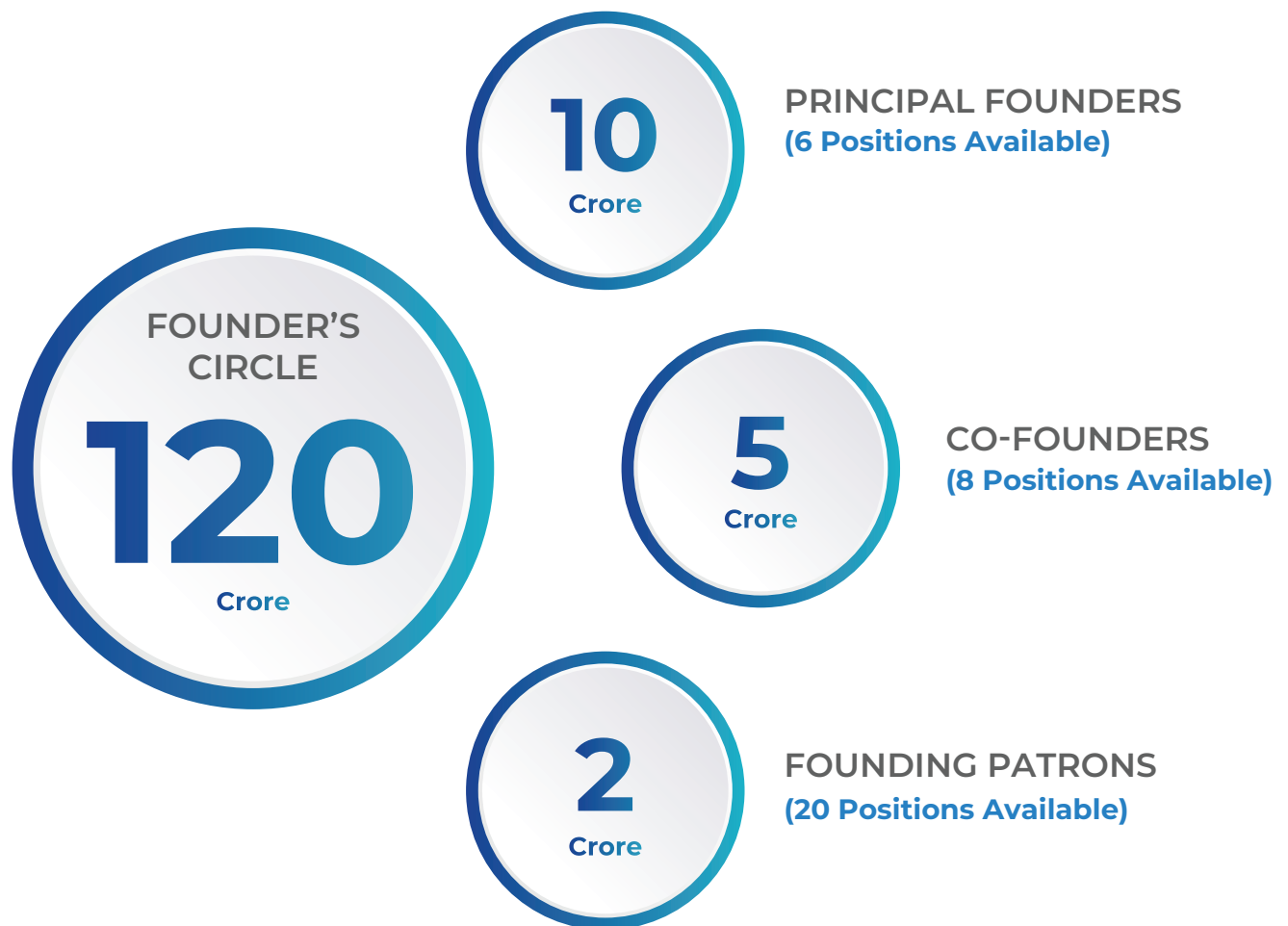


# GANGWAL SCHOOL OF MEDICAL SCIENCES & TECHNOLOGY

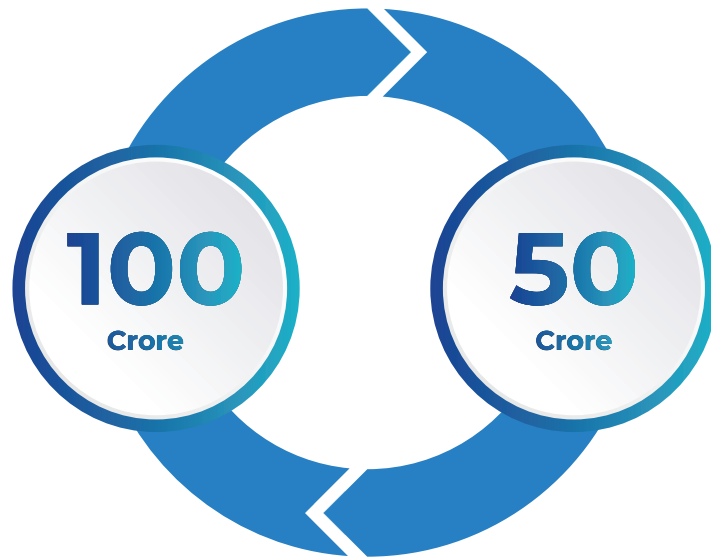
IIT Kanpur is establishing the "Gangwal School of Medical Sciences and Technology", to converge its technology and innovation competencies with medical sciences to catapult the Institute the league of global institutions that are driving advancements in human biology and healthcare through technology interventions. This will be achieved through various 'Centers of Excellence' on biomedical research as part of the School and a 500 bed Super-Specialty Hospital as an extension of these Centers.

Project Cost

**1000**  
Crore



50 Bed  
Oncology  
Department  
& COE

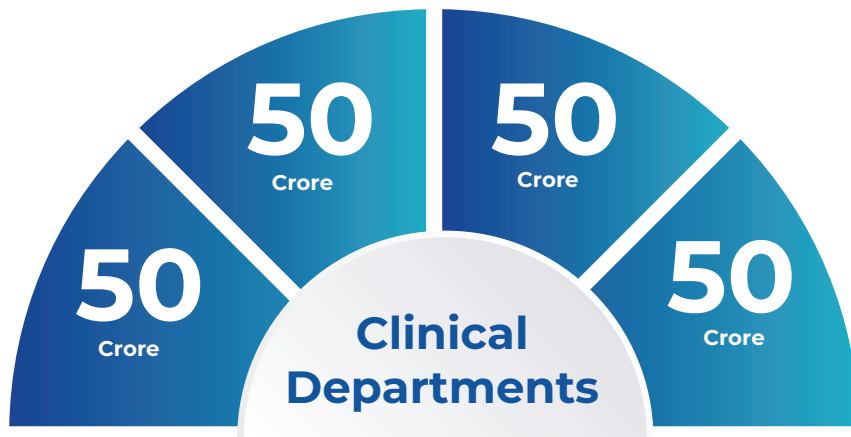


All The Radiology  
& Diagnostics  
Services

Gastroenterology +  
Surgical Gastroenterology

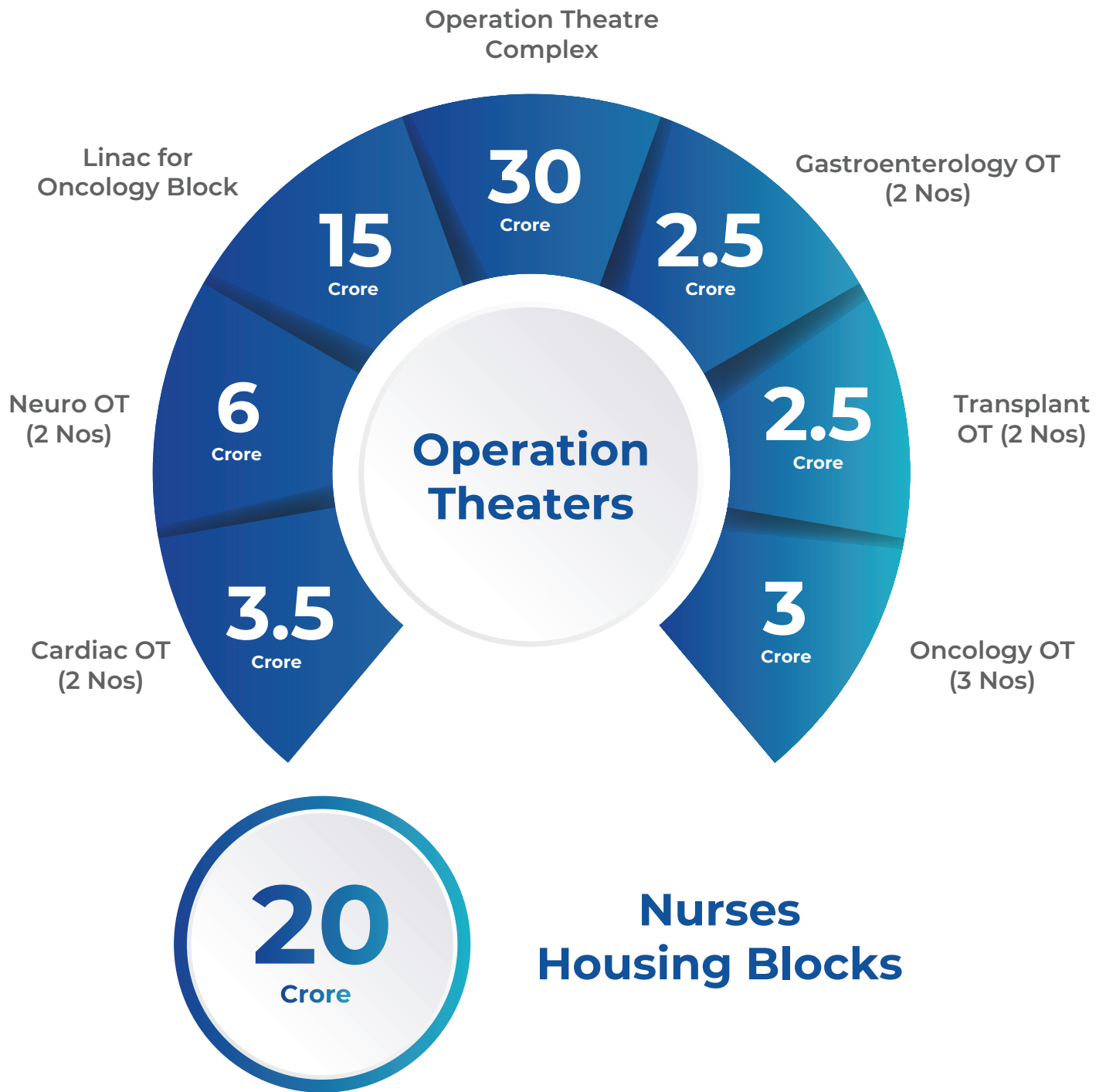
Neurology +  
Neurosurgery

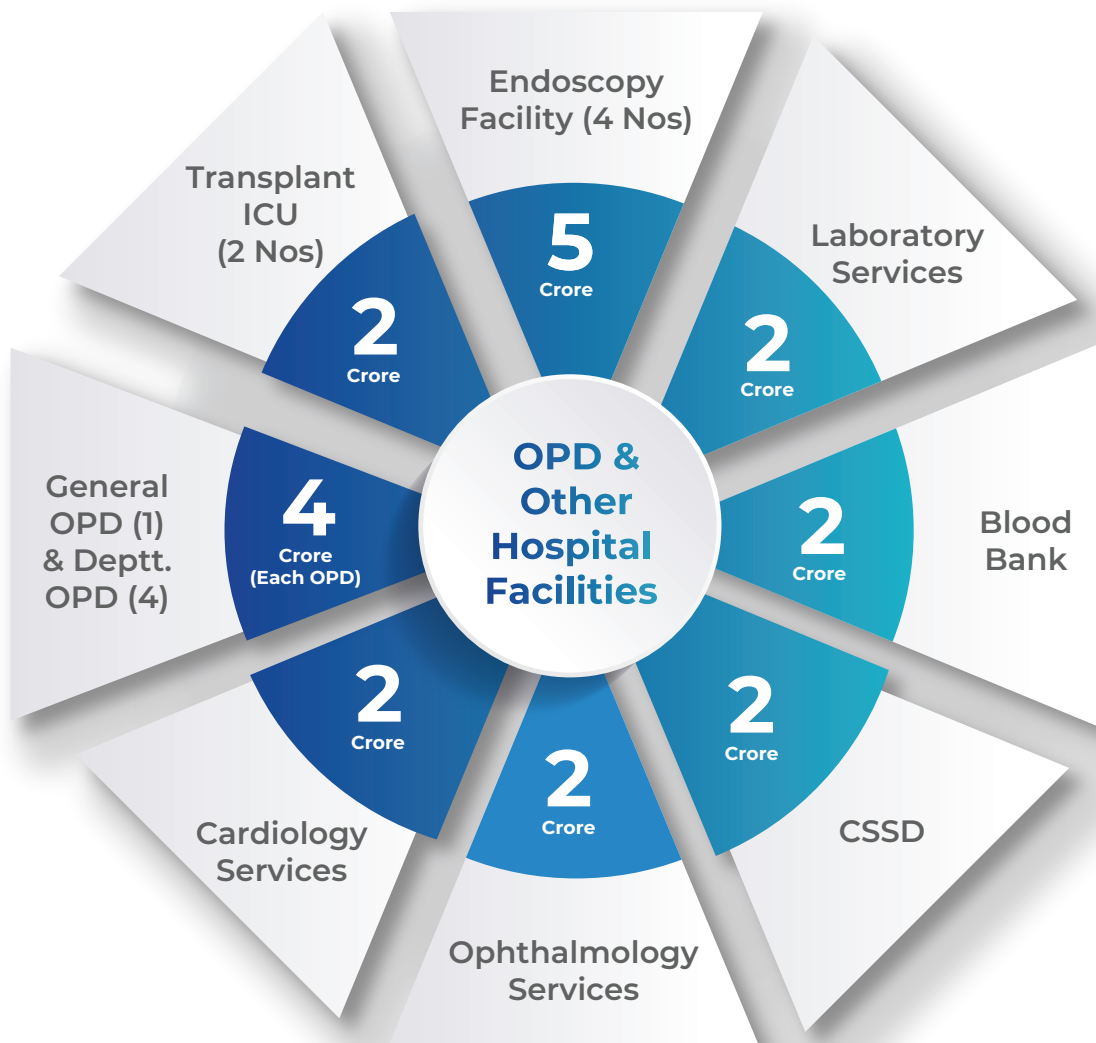
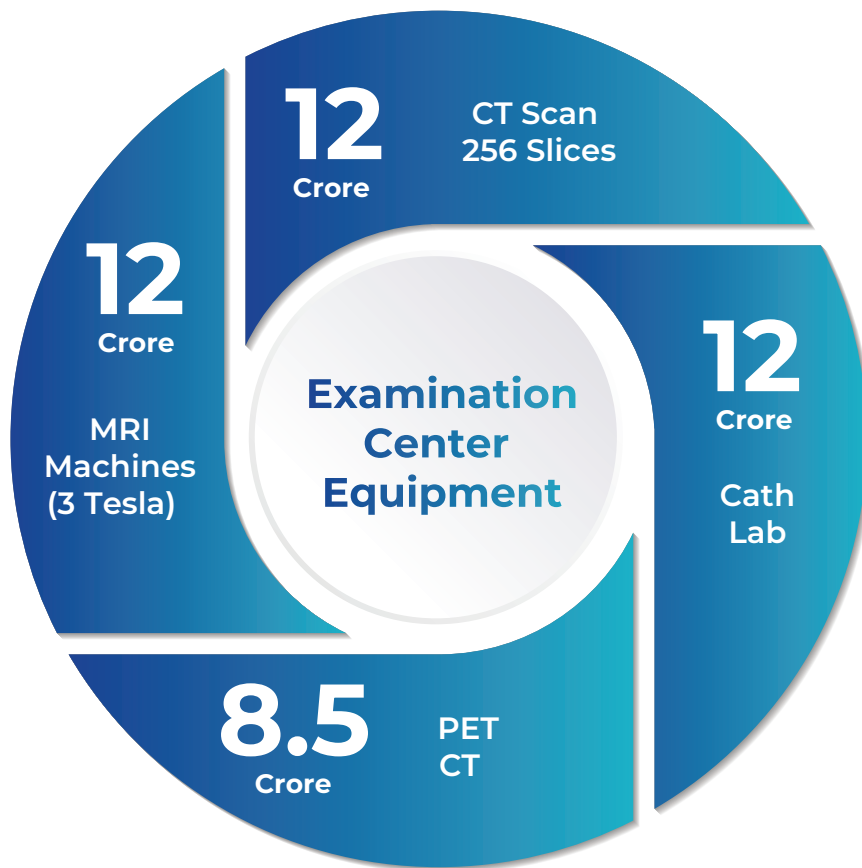
Paediatrics  
+  
OT



Cardiology +  
Cardiovascular &  
Thoracic Surgery









# HIGH-PERFORMANCE COMPUTING FACILITY

Project Cost

**200**  
Crore

To support cutting-edge research and innovation, IIT Kanpur is establishing a state-of-the-art High-Performance Computing (HPC) facility equipped with advanced GPU resources. This infrastructure will enable large-scale data processing, enhance computational efficiency, and accelerate breakthroughs in AI, scientific simulations, and complex problem-solving, reinforcing IIT Kanpur's commitment to technological excellence.



**100**  
Crore

## HIGH PERFORMANCE COMPUTING FACILITY (HPC)

Naming Opportunity

# CENTER FOR MENTAL HEALTH & WELLBEING

Ensuring mental health and well-being at IIT Kanpur is crucial with its growing community of over 10,000 students, faculty, and staff. The current facilities of the Institute Counselling Service (ICS) are inadequate to meet these demands. A modernized and dedicated system for mental health and wellness with expanded space, privacy, and specialized professionals is essential for comprehensive wellness support on campus.

Project Cost

**10**  
Crore



**5**  
Crore

## CENTER FOR MENTAL HEALTH & WELLBEING

Naming Opportunity

# CONVENTION CENTER

IIT Kanpur needs a world-class convention center to enhance its role as a global hub for innovation, research, and academia-industry collaboration. As a premier technological institute, it attracts scholars, researchers, and professionals worldwide. A state-of-the-art venue would enable the institute to host national and international conferences, seminars, and workshops, fostering knowledge exchange, interdisciplinary discussions, and industry partnerships. This facility would strengthen IIT Kanpur's reputation, provide a platform for thought leadership, and support its mission of advancing cutting-edge research and innovation.

Project Cost

**80**  
Crore

**40**  
Crore

## CONVENTION CENTER

Naming Opportunity



# CAMPUS UPGRADATION

IIT Kanpur is undertaking a comprehensive campus upgradation initiative to create a more welcoming, convenient, and engaging environment. From an improved main entrance and upgraded roads to enhanced accommodation, dining, and shopping facilities, these developments will elevate the quality of life for students, faculty, and visitors alike. By modernizing infrastructure and amenities, we aim to build a campus that reflects excellence, accessibility, and a strong sense of community.

Project  
Cost

**97**  
Crore

Project  
Cost

**40**  
Crore

**20**  
Crore

## VISITOR'S HOSTEL EXTENSION

Naming Opportunity

**2**  
Crore

Floor  
(6 Units)

**2**  
Crore

Dining Hall  
(1 Unit)

Project  
Cost

**57**  
Crore

AC Banquet Hall  
(250 Pax)

**2**  
Crore

Shopping  
Complex 1

**20**  
Crore

Naming  
Opportunities

**1.50**  
Crore

Naming of  
IITK Main Road

**5**  
Crore

Shopping  
Complex 2

# RESIDENTIAL BUILDINGS

Expanding Single Bedroom Residential Apartments (SBRA), and Faculty Apartments is essential for accommodating our growing community. On-campus housing ensures convenience, productivity, and sustainability while strengthening the academic ecosystem. It supports a vibrant community, reduces commute time, and promotes engagement for long-term institutional growth.

Project Cost

**105**  
Crore

## FACULTY APARTMENT COMPLEX Naming Opportunities

Project Cost

**90**  
Crore

**45**  
Crore

Apartment Complex

**20**  
Crore

Tower

## SINGLE BEDROOM RESIDENTIAL APARTMENT (SBRA) Naming Opportunities

Project Cost

**15**  
Crore

**8**  
Crore

SBRA Tower  
(G + 10)

**0.5**  
Crore

1 Floor



# PROGRAMS

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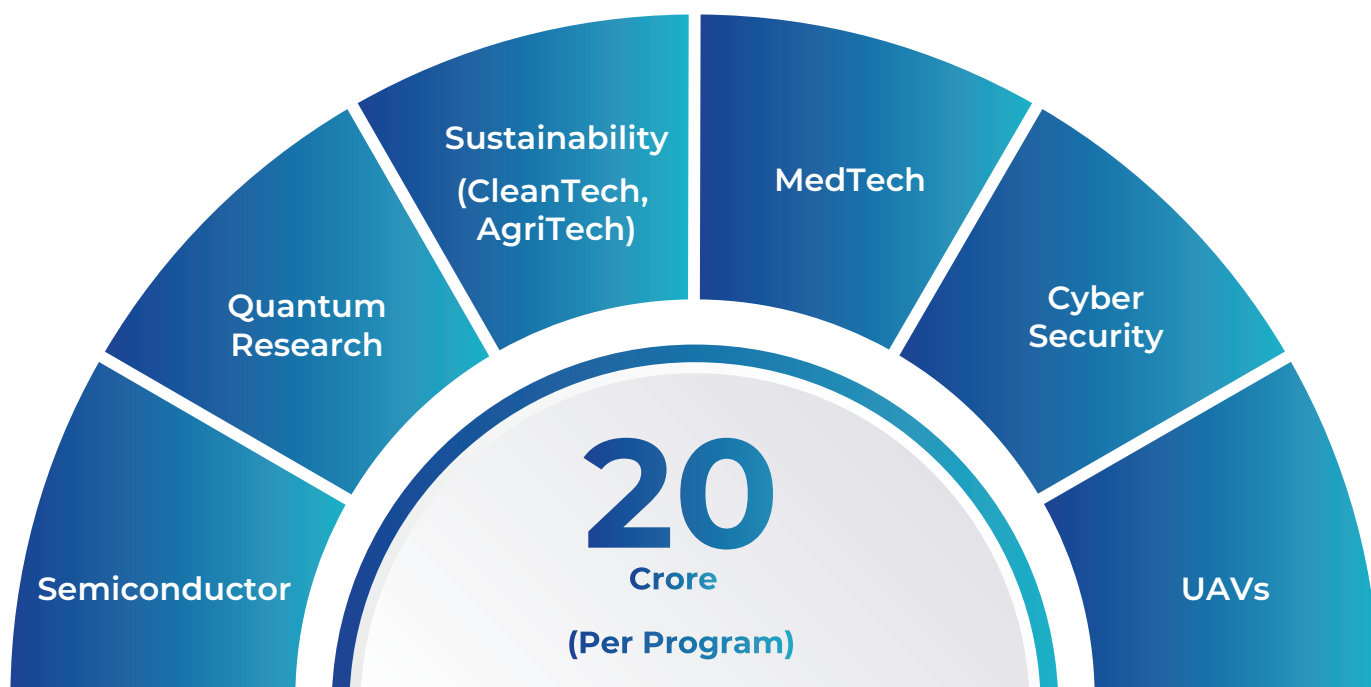
All listed costs are stated in US Dollars (USD).

# INTERFACE OFFICE FOR TECHNOLOGY APPLICATIONS

The Interface Office for Technology Applications (IOTA) will play a pivotal role in advancing technology development at IIT Kanpur. With over 80% of funds dedicated to supporting early-stage ideas and progressing innovations from TRL 4 to TRL 9, OTR will bridge the gap between research and commercialization. By fostering industry collaborations, it will accelerate market-ready technologies, strengthening IIT Kanpur's impact and positioning Kanpur and Uttar Pradesh as leaders in technological innovation.

**100**  
Crore

**INTERFACE OFFICE FOR  
TECHNOLOGY APPLICATIONS (IOTA)**  
Naming Opportunity

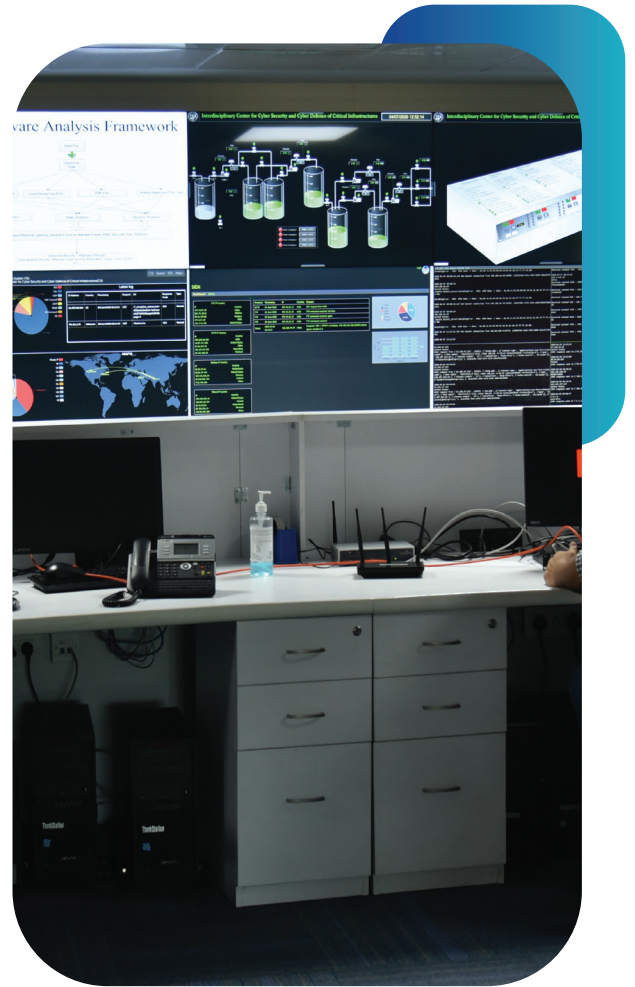


# CENTER FOR ADVANCED COMPUTING AND ARTIFICIAL INTELLIGENCE

CACAI aims to meet the rising demand for advanced computing and AI by providing high-end GPU resources and interdisciplinary expertise. It serves as a hub for training and research, offering Master's and Ph.D. programs, specialized courses for IIT Kanpur students, and an innovative e-Master's program for industry professionals.

**20**  
Crore

**CENTER FOR ADVANCED COMPUTING AND ARTIFICIAL INTELLIGENCE**  
Naming Opportunity



## CERTEX

The Centre for Education Research and Teaching Excellence (CERTEX) is essential to enhance IIT Kanpur's teaching methodologies and adapt to evolving educational needs. It will provide a structured approach to address challenges like diverse student demographics, rising academic expectations, and innovative pedagogy, ensuring IITK remains a leader in education excellence.

**20**  
Crore

**CERTEX**  
Naming Opportunity

**15**  
Crore

**Programs & Outreach Activities**

# FACULTY INITIATIVES

World-class faculty are the cornerstone of academic and research excellence. To attract, retain, and support exceptional educators and researchers, IIT Kanpur is committed to strengthening its faculty initiatives. Through programs like the Faculty Fellow Program, Chair Professorship, and Distinguished International Faculty Program, we aim to recognize outstanding contributions, foster global collaborations, and enhance research leadership.



Faculty Fellow Program



Naming Applicable for 10 Years

(3 Year Fellowship + High Research Initiation Grant)

Chair Professorship



Distinguished International Faculty Program



# STUDENT INITIATIVES

Students are central to IIT Kanpur's mission, and dedicated initiatives ensure their holistic growth. Scholarships and awards remove financial barriers and reward excellence, while travel grants support global exposure through conferences and competitions. Student exchange programs broaden perspectives by immersing students in international cultures and academic environments. These initiatives collectively foster academic excellence, creativity, and global readiness, empowering students to become future leaders, innovators, and changemakers.

Awards



Scholarships



Student Exchange Program  
(for 3 months for 1 student- Travel & food)



Travel Grants

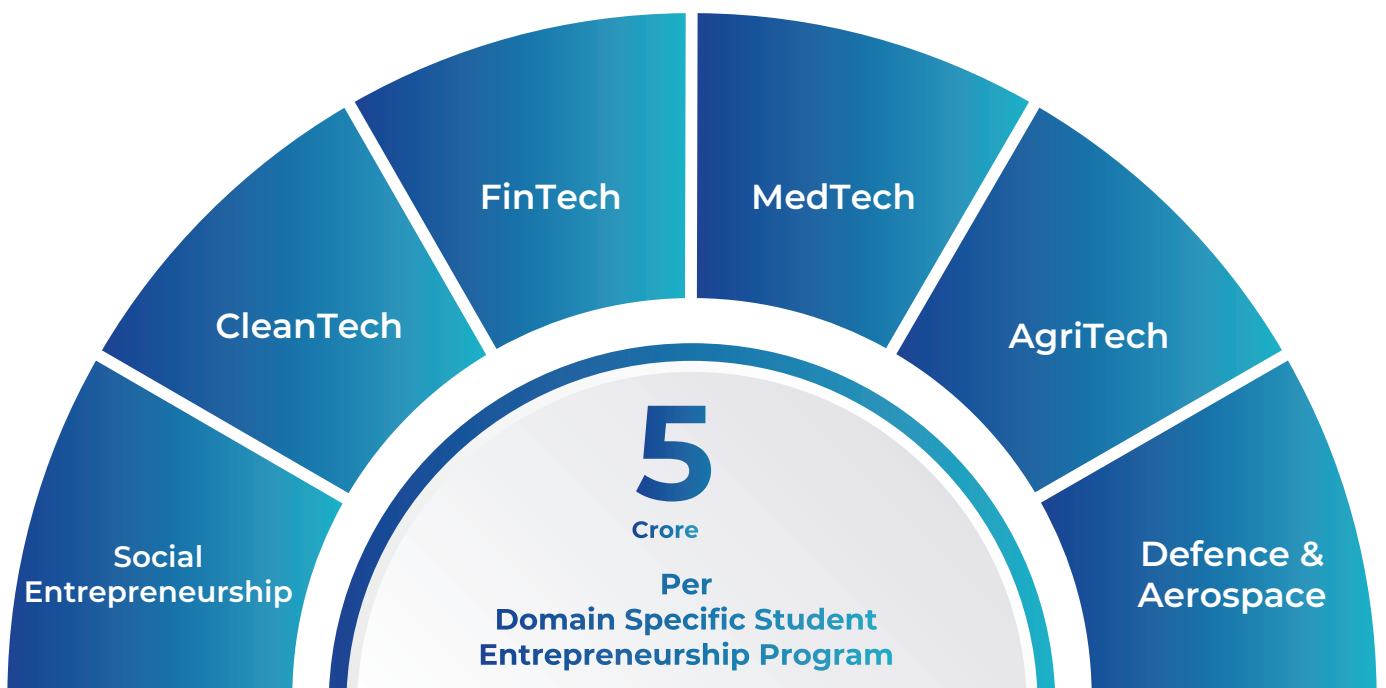


# INCUBATION & INNOVATION

IIT Kanpur's innovation and incubation programs will empower students to become entrepreneurial leaders by providing mentorship, funding, and infrastructure. Additionally, a CSR-driven model will support startups, fostering social impact and economic growth. These initiatives will bridge academia and industry, nurturing a vibrant ecosystem for innovation, commercialization, and sustainability.

**45**  
Crore

**STUDENT  
ENTREPRENEURSHIP PROGRAM**  
Naming Opportunity



# KEY FOCUS AREAS

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All listed costs are stated in US Dollars (USD).

# QUANTUM TECHNOLOGY CENTER

The proposed Quantum Technology Center at IIT Kanpur (QTC@IITK) aims to drive innovation, industry-academia collaboration, and workforce development in quantum computing, sensing, and secure communication. The proposed center will be the first of its kind in the country, integrating essential hardware and software development units in one location to meet the multidisciplinary demands of quantum technologies.

**50**  
Crore

**QUANTUM TECHNOLOGY CENTER**  
Naming Opportunity

Cold Atoms Facility

Ion Traps

Photonics in both Fibre and Turbulent Atmosphere  
Superconducting Qubit Facility

Optomechanical Systems

Topological Systems Laboratory

Neutral-Atom Trapping Systems

Quantum Chip Laboratory

2D-Materials Laboratories

Quantum Networks Laboratory

**5**  
Crore  
(Per Lab)

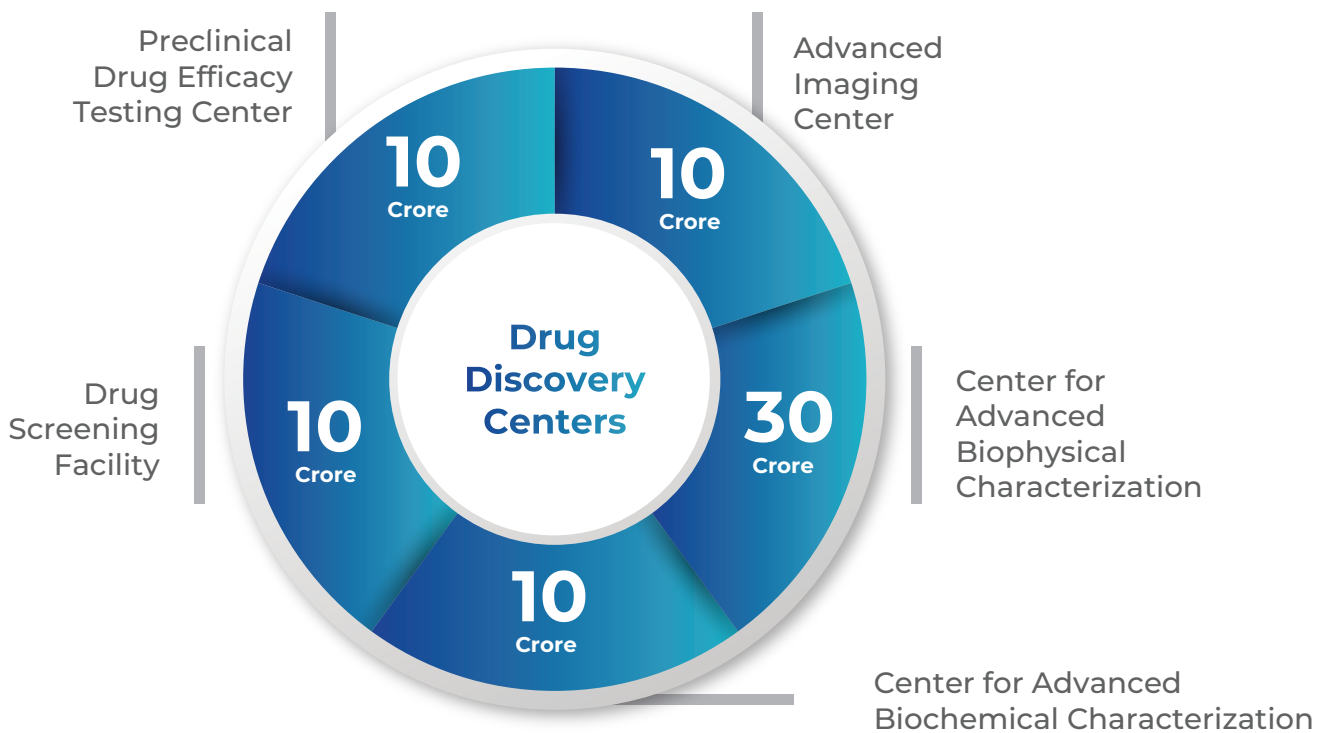
**QUANTUM**  
TECHNOLOGY

# BUILDING AN INNOVATIVE DRUG DISCOVERY ECOSYSTEM

IIT Kanpur's drug discovery initiative bridges research and application by integrating genome analysis, bioinformatics, and disease modeling. It will address unmet healthcare needs, foster industry collaboration, and enable large-scale drug development, reducing costs and ensuring accessibility. Focused on cancer, metabolic, and neurodegenerative diseases, it aligns with India's growing healthcare demands.

**25**  
Crore

**DRUG DISCOVERY PROGRAM**  
Naming Opportunity



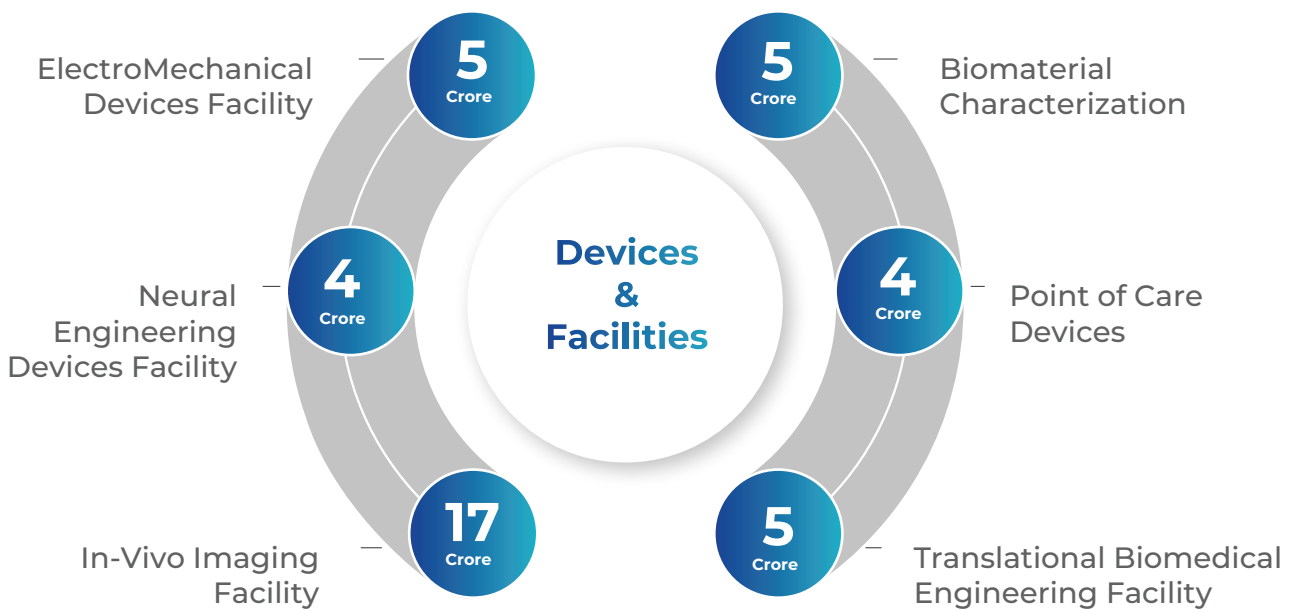
# MEDICAL DEVICES AND DIAGNOSTICS PROTOTYPING AND TESTING FACILITY

India's medical devices market, valued at \$11 billion, is set to reach \$50 billion by 2025, yet 80% of high-end devices are imported. Manufacturing is focused on low to mid-tech devices, with gaps in high-tech production. IIT Kanpur aims to bridge this through innovation, prototyping, regulatory support, and workforce development. By fostering interdisciplinary collaboration across engineering, materials science, and healthcare domains, the facility seeks to generate innovative solutions tailored to India's healthcare challenges.

**20**  
Crore

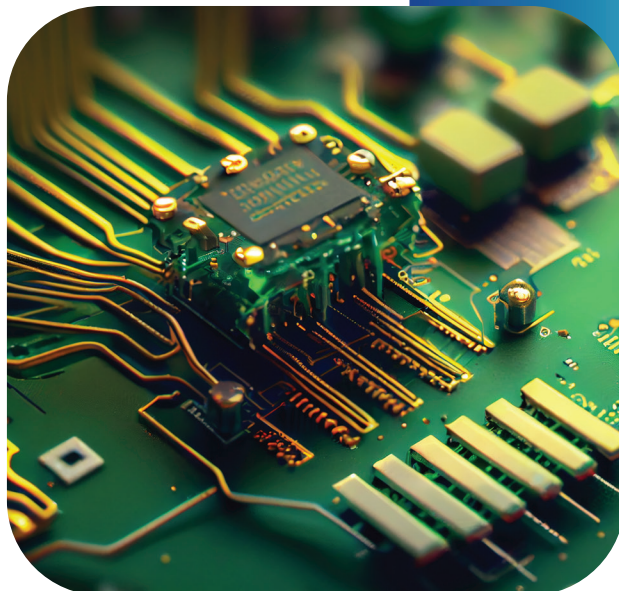
## MEDICAL DEVICES AND DIAGNOSTICS PROTOTYPING AND TESTING FACILITY

Naming Opportunity



# CENTER OF EXCELLENCE FOR SEMICONDUCTOR PACKAGING

The semiconductor industry is rapidly growing, driving demand for skilled professionals, especially in advanced packaging. To meet this need, a Center of Excellence for Semiconductor Packaging is proposed at IIT Kanpur. It will focus on R&D, training, and industry collaboration, supporting India's push for OSAT plants and strengthening domestic capabilities in this critical sector.



**55**  
Crore

**CENTER OF EXCELLENCE FOR SEMICONDUCTOR PACKAGING**  
Naming Opportunity



**120**  
Crore

**STEPP**  
Naming Opportunity

# STEPP - SCHOOL OF TECHNOLOGY, ECONOMICS, AND PUBLIC POLICY

The traditional public policy paradigm is undergoing a significant transformation driven by technological advancements, climate change, sustainability concerns, and geopolitical shifts. India's ambition to become a developed economy necessitates innovative and technologically informed public policy. The proposed School for Technology, Environment, and Public Policy (STEPP) aims to offer interdisciplinary education and research in public policy, integrating technology, economics, and sustainability. It will address key areas like climate change, digital governance, and defence policy, fostering collaboration and shaping impactful, tech-driven policy solutions at national and global levels.

# JOIN US IN SHAPING THE FUTURE

IIT Kanpur's vision for the future is bold, transformative, and deeply rooted in excellence. The initiatives outlined in this document reflect our unwavering commitment to advancing education, research, and innovation at a global scale. Achieving these ambitious goals requires collective effort, and your support can make a lasting impact.

We invite you to be a part of this journey whether through contributions, collaborations, or advocacy. Together, we can drive meaningful change and empower IIT Kanpur to continue shaping the leaders and technologies of tomorrow.

For further discussions or to explore ways to contribute, please contact:

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