# INDUCTION
# HANDBOOK
# 2022

**Indian Institute of Technology Kharagpur**
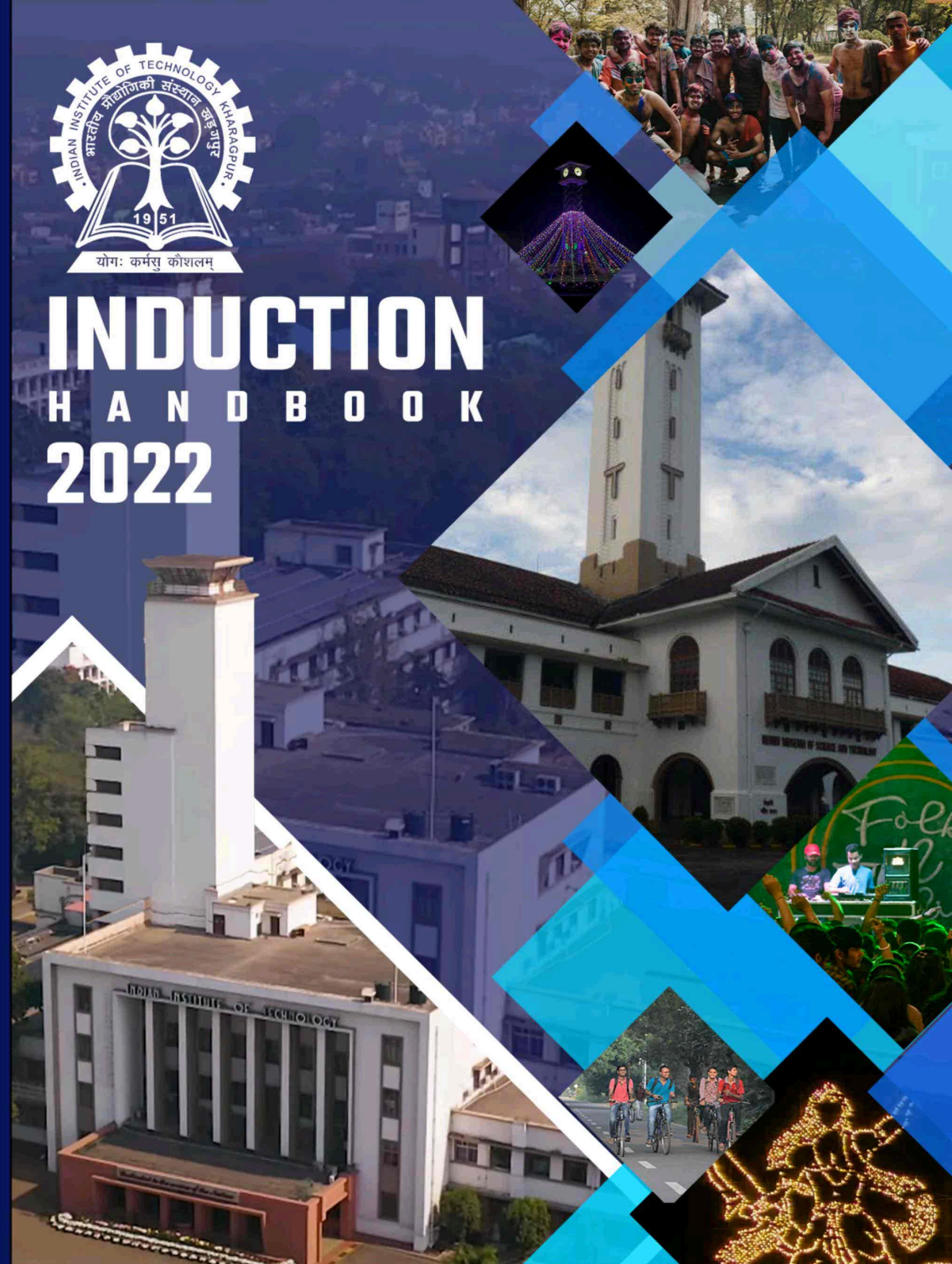
Kharagpur - 721 302, WB, INDIA

📞 +91-3222-255221

☎ +91-3222-255303

🌐 www.iitkgp.ac.in

For more information about the Induction program scan this QR code



## INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

# IITKGP
# Inspiring Excellence

The Karma Yogi gives himself over to his work and does so without expecting recognition or return. Excellence is all that matters to him ...

From the teachings of the Bhagavad Gita (The Celestial Song) Chapter 2, verse 47"

Academic Excellence

Health and Well Being

Institute Legacy

Envisioning Future

Community Vitality

**INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR**

# CONTENT

**Virendra K Tiwari**
Director
IIT Khargpur

# MESSAGE FROM THE DIRECTOR

Dear student

I extend a warm welcome and hearty congratulations to you for becoming a part of IIT Kharagpur. You must be excited about your time on campus. I am happy to have each of you joining the IIT KGP family. In the coming years, you will experience the history and unique culture of IIT KGP, as I have seen during my time as a student here.

As a student of IIT KGP, connect with the people and opportunities around you that support you to aspire high. The various academic programs of the institute will enable you to learn and excel in areas beyond your course curriculum, which will open new doors for you.

Amenities on campus, and the student groups working on various fields of interest, will help foster your interests and develop your personality, leadership skills and friendships that last a lifetime. Set your priorities and work towards what makes you a better person.

Here are the faculty, seniors and staff to guide you to navigate through your hurdles and achieve your goals. Use your time here for the betterment of yourself and society.

Keep exploring and improving.

# MESSAGE FROM THE DEPUTY DIRECTOR

**Amit Patra**

Deputy Director,
IIT Kharagpur

Dear student

Congratulations on being selected for admission at the prestigious Indian Institute of Technology Kharagpur, the first IIT in the country! Our Institute is not only the pioneering organization to bring modern technological education to the country, but all other IITs and many other Institutes have been inspired and mentored by it. It has brought management and intellectual property law under its fold and is on the verge of introducing medical education as well. IIT Kharagpur was established in 1951 in the infamous Hijli Jail, which is now known as the Old-Building. We have come a long way from there, and are soon going to reach our Platinum Jubilee in 2026. All of you are going to be the lucky ones who will get the chance to witness and enjoy all the celebrations. Remember that the landmark has been achieved due to the hard work of all the former faculty, staff and students of the Institute, and you are expected to contribute in your own way during your stay. We are currently going through some challenges, particularly related to accommodation and other related logistics. We hope to see better days soon with the completion of three hostels, two for girls and one for boys, each having a capacity of 500. These were delayed mainly by Covid-19, but one of these hostels is expected to be ready within the next six months and then we would be able to move some of you from the current temporary locations. We may also do some reallocations in December and again in June to ensure that each of you get a chance to develop, both academically and extra-academically to a well-rounded individual, to take the country forward to reach its goal of becoming technologically self- reliant.
Wish you all the best!

# MESSAGE FROM THE DEAN OF STUDENTS' AFFAIRS

**Saswat Chakrabarti**

Dean Student Affairs (Officiating) and Dean (Faculty of Bio–Technology and Bio–Sciences)

Dear student

I am delighted to welcome you, the batch of 2022-23, admitted into different courses at IIT Kharagpur. Congratulations on making it to one of India's most prestigious institutions. This phase of your life-shift from school to IIT KGP is to be proud of and cherished.

I wish, your period on campus be exciting and rewarding for your holistic development. As a student at IIT KGP, You have access to opportunities to nurture yourself and contribute to society's development. Here, you will experience unique moments to be celebrated in future.

I am wish to see you achieving your goals and grow beyond academics in the coming years. Congratulations on becoming a part of the institute.

## MESSAGE FROM THE DEAN & ASSOCIATE DEAN OF FACULTY OF SCIENCES



**G P Raja Sekhar**
Dean (Faculty of sciences)



**Joykroshna Dey**
Associate Dean (Faculty of sciences)

Dear student

On behalf of the Faculty of Sciences, Dean and Associate Dean Fos would like to congratulate you for successfully qualifying JEE Advanced 2022 and on starting a new journey at IIT Kharagpur. We are so proud of each and every one of you that your endurance and determination have brought you this success and that you have chosen IIT Kharagpur, an Institute of Eminence (IoE) for your graduate studies. You are joining the KGPians' community and this brings a great responsibility. The new curriculum which adapts to the heart of National Education Policy (NEP 2020) provides each one of you, ample scope to excel in the field that interests you. The diversity and flexibility in the academic curriculum with your hard work and dedication enables you to contribute great scientific and technological innovations during your stay here at IIT Campus. Make use of the campus facilities to
build your academic career while enjoying extra-curricular activities. With the challenges that the world is facing, this is high time to break the routine and look for careers towards innovation and technology development. Once again congratulations to all of you on your entry to IIT Kharagpur and
we are sure you would take this as a new beginning and start your journey afresh.

## MESSAGE FROM ACADEMIC DEANS (Faculty Of Engineering &Amp; Architecture)



**M. Ramgopal**
Academic Deans (Faculty of Engineering and Architecture)

Dear student

Welcome to IIT Kharagpur. This is a dream attained by YOU, and your untiring efforts; a dream fuelled by your ambition to make it to the topmost leagues of the world. You are the chosen ones, destined to become great because YOU have it in you. But this is not the end, it is just the beginning. Like a diamond that has just been mined, you are only a muddy, dark, uncut stone, brought to this sanctuary called IIT Kharagpur. The diamond in you will need intense cutting and polishing. This will be done by your Professors, by your peers, by your environment, but most importantly, by you yourself. Sometimes, the process may seem brutal, harsh, and demotivating. But remember, it is just a process to ultimately bring out the brilliance of the diamond Sometimes, you may forget your own brilliance, and get blinded by the brilliance of your peers, your seniors, and your juniors.You start doubting yourself. So, I ask you to always remember this belief in yourself that you have TODAY. Chart your own path, but do not lose sight of the goal. Remember, you have achieved it once, to enter the gates of this hallowed Institution, and you can achieve it again, and again, and again. Just keep the flames burning bright, and the diamond will shine right through.

# MESSAGE FROM THE PRESIDENT, TSG
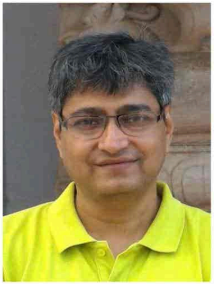
**Ajay Kumar Singh**

President
Technology Students' Gymkhana
Indian Institute of Technology
Kharagpur

Dear freshers,

Let me take this opportunity to congratulate you for qualifying JEE advanced exam. I also thank you for choosing IIT Kharagpur for your career advancement. On behalf of the Technology Students' Gymkhana, I welcome you to the campus.

As you know that the Technology Students' Gymkhana (TSG) is a hub of extra-curricular activities, which are classified broadly into four categories, sports, cultural activities, technology development, and students welfare. The building blocks of TSG are its societies and clubs, and I strongly suggest you join them as per your interest and liking. I believe that academics and extra-curricular activities can go together in making a complete KGPian, and you should try to utilize all the opportunities available on the campus to their fullest.

I thank the Students' Welfare for releasing the handbook for the incoming batch. It contains all the information relevant to Academics, Halls, TSG, and campus. I hope this booklet will help you by providing the necessary information about the campus. I wish you all the best for a successful career ahead.

# MESSAGE FROM THE VICE PRESIDENT, TSG

**Brahmjot Singh**

Vice President
Technology Students' Gymkhana
Indian Institute of Technology
Kharagpur

I extend a warm welcome to all the students of the incoming batch on behalf of the KGP family. Being the mother of all IITs- IIT Kharagpur beholds one of the most mesmerizing and enriching journeys you'll undertake in your lifetime. An essence of nostalgia hits me as I see you in front of me while remembering that I was someone among you experiencing the induction and getting to know KGP a few years ago. I can tell you that it's completely normal to feel excited and contemplative about making the most of our institute's exposure. However, it is best not to limit your exposure by pre-deciding it at this moment but to explore all the things as they come by.

As a KGPian, an ocean of opportunities lies ahead of you, and a robust support system from the KGP community behind you. Therefore, leave your apprehensions aside and be part of the KGPian culture by being the best version of yourself!

KGP ka tempo high hai!!!

# KNOW YOUR CAMPUS

## About IIT Kharagpur

The motto of IIT Kharagpur is "**Yogah Karmasu Kaushalam**". This literally means "**yoga is excellence in action**", essentially implying that doing your work well is (true) yoga. This can be traced to Sri Krishna's discourse with Arjuna in the **Bhagavad Gita**. The quote, in the larger context of the Gita, urges man to acquire equanimity because a mind of equanimity allows a man to shed distracting thoughts of the effects of his deeds and concentrate on the task before him. Equanimity is the source of perfection in Karmic endeavours that leads to Salvation.

## Our Vision

To be a centre of excellence in education and research, producing global leaders in science, technology and management

To be a hub of knowledge creation that prioritises the frontier areas of national and global importance

To improve the life of every citizen of the country

# HISTORY

The history of the IIT system dates back to 1946 when a committee was set up by Hon'ble Sir Jogendra Singh, Member of the Viceroy's Executive Council, Department of Education, Health and Agriculture to consider the setting up of Higher Technical Institutions for post war industrial development in India. In its report, the 22-member committee headed by Sri N.R.Sarkar recommended the establishment of four Higher Technical Institutions in the Eastern, Western, Northern and Southern regions, possibly on the lines of the Massachusetts Institute of Technology, USA, with a number of secondary institutions affiliated to it.

With the above recommendations of the Sarkar committee in view,

The first Indian Institute of Technology was born in May 1950 in the eastern part of India. Initially the IIT started functioning from 5, Esplanade East, Calcutta and very soon shifted to Hijli, Kharagpur, in Sept. 1950. The present name 'Indian Institute of Technology' was adopted before the formal inauguration of the Institute on August 18, 1951, by Maulana Abul Kalam Azad. IIT Kharagpur started its journey in the old Hijli Detention Camp where some of our great freedom fighters toiled and sacrificed their lives for the independence of our country. The history of IIT Kharagpur is thus intimately linked with the history of the Hijli Detention Camp. It is one of the very few Institutions all over the world which started life in a prison house.

# INCLUSIVITY

## 15000+ STUDENTS
of IITKGP come from all
## ACROSS 29 STATES
of the country and beyond the national boundaries from
JAPAN, UK, EU, USA, NEPAL, BHUTAN ETC.

The campus is barrier-free with ramps

elevators and other facilities to enable students with special needs to move around the campus with ease.

Dear Students,

Warm greetings from the Induction Program team at IIT Kharagpur! In this section, we would like to take you through the necessity and benefits of the Induction Program designed for you.

# Why Induction Program?

After going through the phase of school and JEE, coming to IIT Kharagpur and staying on campus is a significant shift in the students' lives. Being new to the campus, knowing about life at IIT Kharagpur, the resources you have, and the support you can avail as a student here will be of good help. And the Induction program is here for that purpose.

During this period, social activities, short seminars, sports challenges, etc., are organised for the students to fulfil the following needs.

**01** To inform you about academic and social issues.

**02** To help you understand the academic environment.

**03** To help you adapt to transitions.

**04** To help you recognise skills required to do well.

**05** To provide information about different kinds of help.

**06** To develop belongingness.

**07** To make you familiar with campus life.

**08** To help you develop friendships.

**09** To generate interest in your respective areas of study.

**10** To make you feel confident about your future.

During the Induction program, we will take you through activities beyond the as indicted :

- **Students' Interaction** with the Director and the administration team.

- **Know your Department**: guidance sessions with professors and seniors to make you aware of the study and opportunities your department offers.

- **Physical activities**: expose you to diverse sports and games at the Institute.

- Introduction to **community life** to you by seniors.

- **Creative and cultural** events.

- **Guest Talks** by eminent people on various aspects.

- **Life Skill activities** help you know more about yourself and others and to develop skills to deal with a few crucial aspects of life.

During the Induction program, you will form small groups to do various activities. Please check the website (link: http://inductionprogram.iitkgp.ac.in/) periodically to find out details of schedules and other relevant downloads and information available.

We believe the Induction Program will be one of the most exciting weeks of your life, and you will surely love it.

Induction Team,
IIT Kharagpur.

# LIFE SKILLS CLASSES AND ACTIVITIES

Developing life skill is an important facet of any academic program anywhere. Institutes of higher learning like IITs, where academic programs follow a distinct career path, are no exception. Though there are differences amongst these institutes in the way such knowledge is imparted, the general aim remains the same. The guiding philosophy is to make you aware of the challenges you are going to face during the course of study like stay within the campus, relationship among peers, handling conflicts within, managing stress and frustration, etc.

The overall aim is help you meet these challenges effectively within the normative standard, rules, and regulations of the campus. Many of you often believe that these skills are learnt in an automatic and autonomous manner in your lives, and need not be acquired in a formal, structured manner. In the process, you lose time and energy to achieve your target which, at times, results in frustration. The present modules are formatted in the direction so as to make you aware of possible challenges you may face, and help you develop insight about how to handle such challenges with confidence.

With this backdrop, altogether ten modules have been developed with examples and activity plan these include :

**Peer pressure:** This module is aimed towards helping you realize the pressure of expectations from friends and classmates. The more often you go by comparative standard rather than self-standard, the more it is detrimental to your performance, causing excessive achievement anxiety.

**Competition & cooperation:** Because of peer pressure, you often try to compete with others without rationale and beyond your capability. This leads to the distortion of relationships with peers. Understanding the essence of healthy competition often helps you in building a team based on mutual cooperation.

**Relationship:** This module deals with fundamentals of social relationship wherein you will get insight about how to develop relationship with peers, teachers and other members within the campus. The emphasis in this module is to assist you develop social bonding which is basic to our normal life.

**Anger & frustration:** The discrepancy between achievement and expectation often leads to stress and frustration. If the frustration does not find a normal outlet, it may go outward (aggression or anger) or may move inward (depression). In this module, you will learn what causes anger and how to handle anger with emotional intelligence.

**Uncertainty adjustment:** Many of you fail to handle uncertain environment or ambiguous situation, prompting you to find out quick solutions to such uncertainty. You look for alternative ways to sort out uncertainty but ultimately choose a riskier option to resolve the problem. In this module you will learn ways and means to tolerate uncertain situation like examination or placement, and the benefit you derive in the process.

**Failure management:** Many of you fail to realize that every war cannot be won every time. Failure is an integral part of our lives and this experience helps us to develop resilience. The module will let you learn how to 'bounce back' in case of failure.

**Knowing others:** It is a pre-requisite to survive effectively within a social infra-structure. You are more often engaged in electronic world where there is little face-to-face interaction. In this module, you will learn why knowing each other, in person, is important to build relationship, to learn from each other who come from diverse background, and the essence of growing together.

**Knowing yourself:** In the following module, you will learn about yourself. This is important since it is easy to learn about others but is difficult to learn about 'who we are'. The effort will be to help you question yourself and in the process, gain insight within your real self.

**Conflicts & decision making:** In this module, you will develop awareness about conflicts which are incompatible in nature and coexist within. Such conflicts result in difficulty in decision-making. You will learn the essence of 'best', 'good', and 'right' decisions in life, in general, and in your career, in particular.

**Stress management:** Here you will also learn about how to manage your day to day stress effectively. If such stress is not resolved, these will cumulate and create barricade in your day to day performance. The ways and means to handle stress will be the pivotal theme in this module.

While the aim of this program is to help you realize your potential by overcoming the difficulties you may face during the course of study and stay within the campus, it is not comprehensive. The modules are a-theoretical in nature and customized to the requirement of incumbent students at IIT Kharagpur. The suggestions and possible intervention, as mentioned, are generic in nature and these are not quick-fix solutions to every problem you may face. The larger aim here is help you (a) develop awareness about the campus life, (b) gain insight into your own behavior, and (c) become capable of facing the challenges in your unique way.

Induction **'Life Skills'** Team
IIT Kharagpur

PREVIOUS YEARS
INDUCTION
PROGRAM PHOTOS

# Wi-Fi

# INTERNET ACCESS
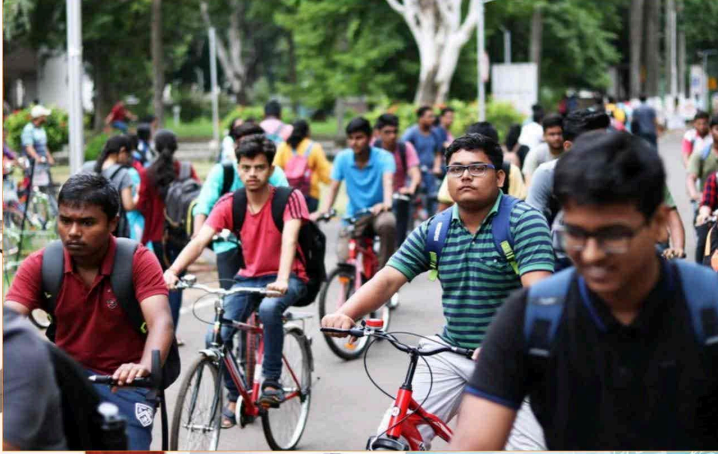
IIT Kharagpur has an extensive network of Wi-Fi routers throughout the campus and halls of residence. The students can login to the wifi service by using their institute roll number as the user name, the password being the unique password they set through ERP. There are multiple Wi-Fi networks like Campus, Student, Guest, etc., and you can access any of those.

The LAN network has DHCP Support, so IPs are dynamically allocated to a connected device upon connection. No static configuration is required. After successful proxy configuration, the student can access the Internet.

Proxy address for internet access
172.16.2.30; port - 8080
No Proxy for 10.0.0.0/8,
iitkgp.ernet.in and iitkgp.ac.in
Helpdesk:
helpdesk@cc.iitkgp.ernet.in

For information on various computing and networking services at IIT Kharagpur, visit:
www.cic.iitkgp.ac.in

Any user should be able to see one or more of these wherever you may be in the campus. Users are requested to start connecting to the secured SSIDs following the procedure below to access the Wi-Fi network.

1. Your user id is your ERP login.

2. To create your network access password, log in to your ERP account, and follow the link "Set Campus Network Password" under the link for "Home". Set a password you will use for network access (should be different from your ERP password). You can change the password anytime again in the same manner.

3. Configure your device for wi-fi authentication. Step by step instructions for different OS (Android/Windows/Linux/Mac) can be found in the "Wi-Fi Authentication" link in http://www.cic.iitkgp.ac.in. Normally, you will have to do this configuration only once per secured SSID unless you change your password or want to login with some other user id.

4. Connect to the corresponding SSID.

# Eateries

Numerous in-house eateries serve the demands of residents. Some eateries are open overnight, while some serve hot food from early morning itself to best cater to the people's convenience. Within campus are restaurants like

**Billoos** famous for its Punjabi food

**BR baskin robbins**

**Café Coffee Day**

**Smart पिंड**

**SUBWAY**

Tikka, on the way to Visveswaraya Guest House from the Clock Tower, also offers a wide variety from early evening to late night. We got Chhedis, just on the border of Puri gate, a Dhaba that has never closed down in the history of KGP except for once during 1983. The list of on-campus restaurants goes on with Heritage, Veggies and Smartpind near TSG, PFC near the PAN loop halls, and others.

Each Hall of Residence has its Canteen apart from the mess. The JCB, HJB and VS Men's Hall Canteens allow anyone on campus to sit and enjoy the food. One can always visit Dominos, Flavours and Park Restaurants outside the campus (approx. 5 km).

# ON CAMPUS AMENITIES

Sports and Games: Aquatic pools, Indoor Badminton hall, Table tennis room, Tennis, volleyball, basketball, squash courts, Tata Steel Sports complex for football and cricket, Jnan Ghosh Stadium for Athletics, Mahatma Gandhi grounds for Hockey, Gymnasium, and others.

Social / Entertainment: Auditorium / Club / Community Centre, Tagore Open Air Theater (TOAT);

Eateries: Café Coffee Day, Subway, Baskin Robbins, Canteens, restaurants and other on-campus eateries. Food delivery services through Zomato and Swiggy run on campus.

Commercial: Market/ Banks / PO / Courier and Travel agencies, and the Indian Railways ticket counter, which is located on the way to Tagore Opne Air Theatre from the Bidhan Chowk Security Post.

Tech. Market:
The centrally located Technology Market (or 'Tech M' in KGP lingo) serves you all your basic necessities to purchase.

Infrastructure: Wi-Fi enabled Campus, 24 hr Power / Water / Network, Well maintained classroom complexes, Roads, Bicycle Lanes, footpaths, Parks, and spaces for different activities.

# Technology Students' Gymkhana

Students' Activity Center, better known as the Technology Students' Gymkhana, here at IIT Kharagpur is the hub of numerous extra-curricular and co-curricular activities. Since its inception in 1952, the Gymkhana has had a key role in the everyday lives of KGPians by cultivating and nurturing their extra-curricular talents and also extending support for academics.

The Technology Students' Gymkhana, IIT Kharagpur, is managed by the students, for the students, under the guidance and active participation of the faculty and staff members. It aims for the holistic development of students.
Technology Students' Gymkhana has four committees:
1. Sports and Games
2. Social and Cultural
3. Technology
4. Students' Welfare

General Secretaries and Secretaries for all four committees are elected, along with the Vice President, by the students through annual campus elections. Each one in this student council takes care of particular events organised by Gymkhana for KGPians.

Gymkhana has an Aquatic Center, Basketball Courts, Tennis Courts, Volleyball Courts, Indoor Squash Court, Indoor Badminton Courts, and a very well equipped Gymnasium. Moreover the Gymkhana hosts a wide variety of societies to promote the various hobbies and interests of the students. The societies include the Dramatics Societies namely, Technology Dramatics Society- Pravah (Hindi), Encore (English), Prasthanam (Telugu), Druheen (Bengali), Technology Robotix Society, Technology Filmmaking and Photography Society, Business Club, Debating Society, the Music Societies namely, Eastern Technology Music Society and Western Technology Music Society, Communique (soft skills), the Quiz Club, Spectra (fine arts), Technology Adventure Society, Technology Dance Society and Technology Literary Society. All the societies are doing an extraordinary task in promoting their culture and nurturing the extra academics interest of the students.

SPRING FES
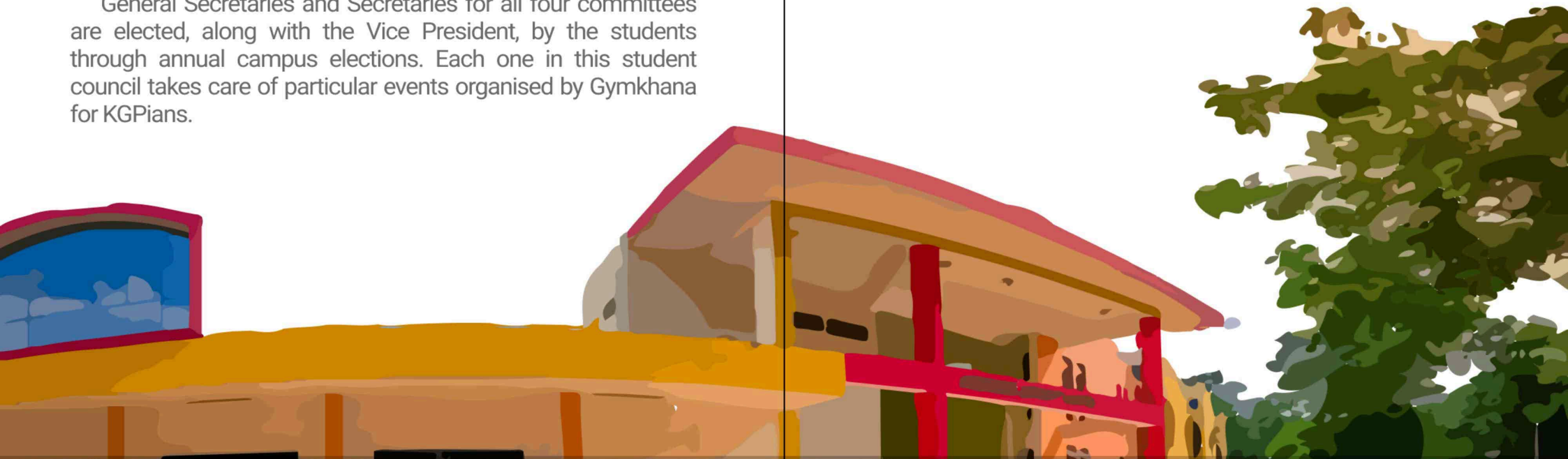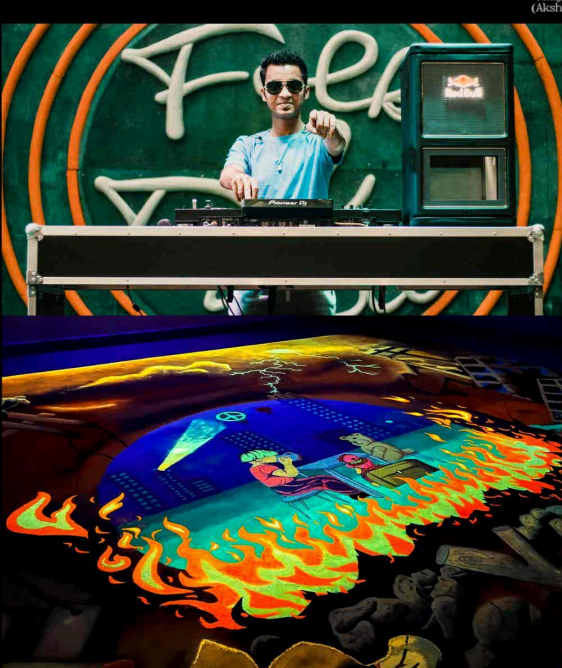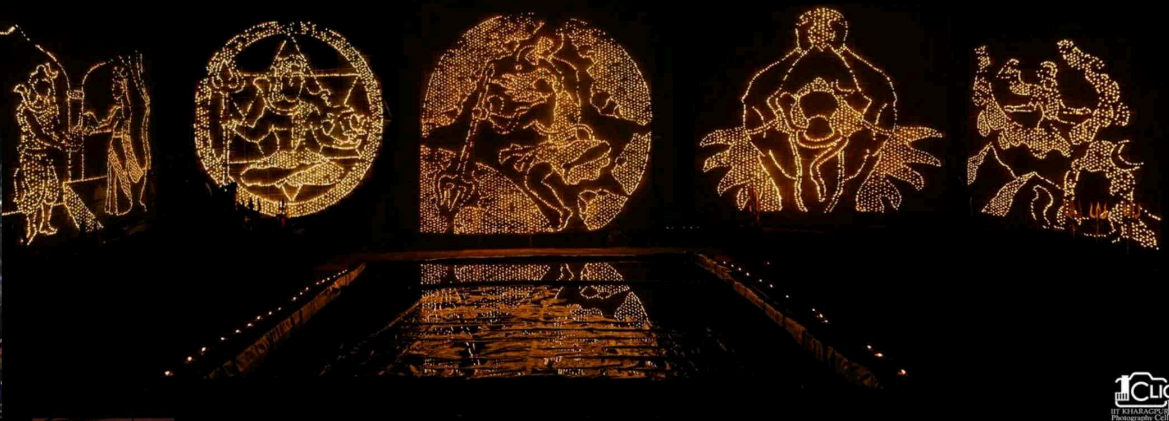
# Techno-Management Groups

Aerial Robotics Kharagpur, Kharagpur Robosoccer Students' Group, Technology Robotix Society, Finterest, AIESEC, CodeClub, Communique, Business Club, Kharagpur Open Source Society, KGP Speedcubers, Net Impact IIT Kharagpur, Prodex, The KGPian Game Theory Society, Kshitij, Knowledge Cup (Tech Quiz, Biz Quiz, Math Olympiad), Innovation Cup (Hardware Modeling, Ad Design, Product Design), Application Cup (Case Study, Chemical Innovation, Open Soft), Quiz Club



Alumni Cell, Entrepreneurship Cell, International Relations Cell, Place-com, Branding & Relations Cell, Technology Adventure Society, Chess Club, Technology Transfer Group

# Support Groups for Institutional Activities

## Social & Cultural

SPRING FEST, Eastern Technology Music Society, Western Technology Music Society, Technology Dance Society, Technology Dramatics Society, Debating Society, Technology Filmmaking and Photography Society, Spectra, Technology Culinary Arts Society, Technology Comedy Club, Technology Literary Society,





## Social Welfare and Community Service

Gopali Youth Welfare Society, Student Welfare Group, Institute wellness group, Weekly teaching, Scholarship and study support, Support to women self-help group, Medical camp, Backward caste certificate camp, Awareness campaigns, Cloth distribution, Village road-building.

# Spring Fest

## CULTURAL FEST

Spring Fest, the annual social and cultural fest of IIT Kharagpur, has reached an astonishing level of visitation and has thus turned into nothing more than a wonder. Spring Fest 2022, where the wait couldn't be prolonged even after the devastating COVID pandemic, being the first ever hybrid college fest exceeded all expectations by miles with every appearance fulfilling everyone's checklists. Entertainment and competition are elegantly combined and participants are provided with one of the best platforms to excel and showcase their skills and passion. Star performances are one of the main attractions and Spring Fest 2022 continues its legacy, with performances by the biggest stars including the amazing Bass Zackers, the band's performance by Moving Circles and the soothing Pal night of Shaan and many international performances.

# KSHITIJ

## TECHNO-MANAGEMENT FEST

Kshitij is Asia's largest annual techno-management symposium of the Indian Institute of Technology, Kharagpur. In spite of COVID-19 and its disruptive impact on our society and economy, the 19th edition of Kshitij was a fabulous fruition. A showcase of innovation, the symposium aims to bring together healthy competition from across the country together and celebrate technological advancements. Kshitij-2022 was held from the 4th to the 6th of March. It saw more than 37 events taking place, with student participation from all over India surpassing 60,000. Illustrious personalities from across India to grace the stage at Kshitij-2022 were Dr. Ajay Kumar, Mr. Scott Augenbaum, Mr. Jürg Fröhlich, Mr. Arjun Malhotra, and Mr. Kris Gopalakrishnan among others. This edition witnessed the addition of various Exhibitions manifesting vanguard technologies like Avishkar Hyperloop, Drone Automation, Bionic Birds, and much more. Kshitij 2022 takes pride in organizing scores of diverse workshops in association with giant firms like IBM, Google, Airbus, Adobe, Mercedes Benz Research and Development India (MBRDI), and many more.

# आवाज़

Awaaz is a media organization which is active in the IIT Kharagpur campus. Awaaz started in the form of monthly magazine, through social media and website, always informs the KGP community about the events happening in the campus. As a media organization, Awaaz has understood the needs of the campus over time and has brought several changes in the IIT campus, in which regular cleaning of the hostels, dustbins in the KGP campus are the main ones. Attempting to present problems through "Panji dude" and "Cartoon Context", has given us great success. Awaaz brings out the monthly campus newsletter of IIT Kharagpur published in Hindi.
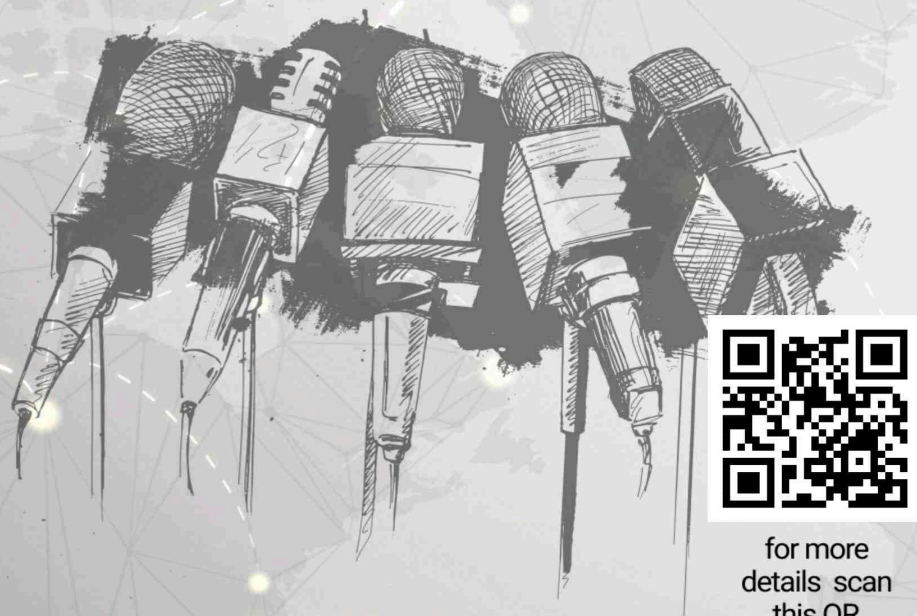
for more details scan this QR

# THE SCHOLARS' AVENUE

The Scholars' Avenue is the independent student-run campus newspaper of the Indian Institute of Technology, Kharagpur. Founded in 2005, copies of The Scholars' Avenue are now delivered to all students on campus and soft copies are mailed to all faculty and several thousand alumni. The teamis drawn entirely from among the students of the institute, and its mission is to report and analyze events that affect the campus, and to be the voice of the IIT Kharagpur student community. We are a non-profit organization independent of the administration of IIT Kharagpur and supported by sponsorships and donations.
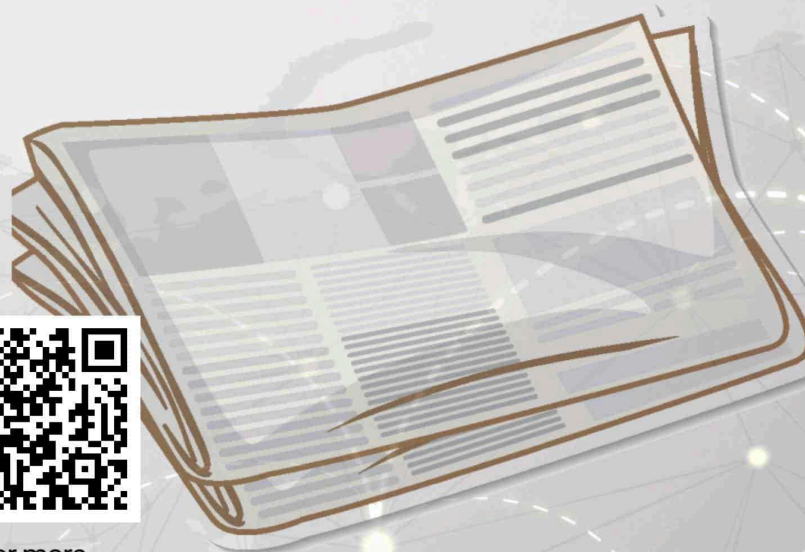
for more details scan this QR

IWG is a student body with the aim of creating a joyful environment for the entire student community! Coming under the Students' Welfare (SW) Portfolio of the TSG, IWG is comprised of students who are dedicated to and have received training in order to support the mental welfare of the KGP community.

The members of IWG act as the principal nodes of student counselling and enforce welfare activities among the student community. The events and programmes conducted by IWG have the clear objective of fostering happiness and harmony within the KGP community. IWG wants to foster an atmosphere on the KGP campus where students feel free to express their emotions. A few of the events conducted by IWG are Mental Awareness Month, Counseling Session, Movie Night and Khat.

Student Welfare Group works towards ensuring the smooth functioning of students' lives on the campus by assisting students of IIT Kharagpur in developing their skills and personality.

It provides the required resources to contribute to the success of students' college life as well as flaring productivity by organizing Informative and interactive events.

It strives to contribute to the overall educational mission of the Institute by facilitating the academic, emotional, social, and vocational development of the entire student community. Respect for diversity and a commitment to students' personal growth are guiding principles in the work we do.

# Sports

Round the year, there is always a buzz of sporting events happening on campus. The sporting culture of IIT Kharagpur gives the students opportunities to explore their passion for different sports activities.

Along with the tournaments that take place on campus with great spirit every year under Open IIT and General Championship (GC), there are other activities that are conducted to improve the sporting enthusiasm in the student community.

Summer camp for all the sports was conducted the last summer to support the students to improve in the sport they like. Recently, new initiatives such as a Hockey workshop for girls, the First Gymkhana Table Tennis tournament, Sports Quizzes, the PAN IIT cycling event, Yoga sessions for women, streaming of India vs Pakistan match of Asia Cup 2022 in TOAT, and more, were introduced for greater involvement in the realm of sports and games.

Also, Rigorous daily training for the Inter IIT Sports meet takes place on campus, with professional coaches training the students.

# B C ROY TECHNOLOGY HOSPITAL

IIT Kharagpur is committed to provide quality health care services to its faculty, employees, and students using modern and cost effective techniques and technologies, and through a dedicated and humane approach. B C Roy Technology Hospital, owned and managed by IIT Kharagpur, provides Primary Health Care comprising of curative, preventive and health promotion services. The facility has 32 beds, including a 2 Bedded ICU, Cabins and Isolation Ward. Through its Out Patient Department (OPD), Indoor Wards and Emergency Unit, B C Roy Technology Hospital provides 24x7 uninterrupted health care services to the campus community. On an average approximately 7000 patients attend the OPD at B C Roy Technology Hospital every month. The hospital has a round the clock pharmacy inside it. It is also equipped with a Video-conferencing facility for telemedicine. Biomedical waste from B C Roy Technology Hospital is regularly and properly disposed of by an arrangement with the services of West Bengal State Government Environment Department. B C Roy Technology Hospital keeps the health needs of the campus community as its top priority, and constantly strives to improve and upgrade the existing facilities and the services.

# INSURANCE

B C Roy Technology Hospital refers patients to higher care centres for specialised healthcare services and medical treatment. IIT Kharagpur has a Memorandum of Understanding (MOU) with several corporate hospitals, including and not limited to

1. Peerless Hospital, Kolkata
2. Ruby General Hospital, Kolkata
3. Meridian Medical Research and Hospital Ltd (West Bank)
4. ILS Hospitals, Dum Dum

Also, the Institute provides Health insurance to all the KGPians, in collaboration with Medi Assist Insurance TPA Pvt. Ltd., having a vast network of hospitals where you can avail of the insurance services.

For any medical claim related assistance, contact Dr. Rajeev Kumar Rawat, Senior Hindi Officer, Rajbhasha Vibhag, IIT Kharagpur,Tel No. – 03222 281864, Mob. No. - 9564156315, E-mail ID – studentinsurance@iitkgp.ac.in

# Counselling Centre

The holistic well-being of our student community, encompassing both physical and mental health, is of the highest priority to the Institute. In pursuance of our commitment towards ensuring that, we have set up the Students' Counselling Centre to provide any required assistance to students who may be experiencing emotional or psychological conditions that hinder their regular activities on campus.

Being a student of IIT Kharagpur, you are entitled to come and seek help from the Counselling Centre.

The Counselling Centre offers a broad range of services, including psychological assessment, individual therapy, group therapy, and medication and management to promote mental health, life skills, emotional resilience and overall well-being of the student community.

The Centre addresses problems associated with stress, time management, motivational issues, relationship difficulties, impulse control issues, and learning difficulties. It also helps students experiencing significant depression, anxiety, mood swings, or other thought disorders.

Students anticipating crises or extreme distress are served on an emergency basis. A student can visit the Counseling Centre from Monday to Friday from 10:00 am to 6:00 pm. The Centre will be open on Saturday within normal working hours providing a skeleton service.

An appointment is scheduled according to the availability of the counsellor and student. The student needs to inform the Counselling Centre if he/she cannot meet the scheduled appointment. This is done so that the other students can be given an appointment instead.

The Centre remains closed on Sunday. The Counselling Centre also functions as a coordinating point for crisis intervention.

For more information, please
visit - http://www.counsellingcentre.iitkgp.ac.in/

# Dos ✅

- ✔ Do carry your institute student Identity card whenever you leave the IIT Kharagpur campus.

- ✔ Respect your faculty, Fellow Students, seniors, Hall Staff and Mess Staff.

- ✔ Respect your faculty, Fellow Students, seniors, Hall Staff and Mess Staff.

- ✔ Keep your room clean and tidy, and ventilate it regularly. Help to maintain Cleanliness in the Hall and Campus.

- ✔ Do take care of your belongings, take steps not to lose any of those.

- ✔ Adhere to mess timings and co-operate with Mess Staff.

- ✔ Inform the Warden and Institute in case of a change in address/contact details of your parents/guardians.

- ✔ In case of any maintenance issues in the halls, report them to the respective hall management, and cooperate with the staff to solve them.

- ✔ Report the movement of any unknown/suspicious person on the Campus.

- ✔ Switch off electric appliances in your room while you leave the room. Save electricity.

- ✔ Close the taps after usage and avoid the wastage of water. Save water.

- ✔ Enter your guest particulars with submitting student I-Card at the Security desk before leaving and entering the Hostel premises.

- ✔ Seek prior permission for all leave of absence from the hall well in time.

- ✔ Beware of snakes within campus.

- ✔ Take care of hostel properties and assets. Report any loss or damage to IIT Kharagpur property in the Halls / Room.

- ✔ Return to your room before 10 pm every day unless permitted to be out of Hall. Seek prior permission for all leave of absence from hostel, well in time

For Security Assistance, Please Call: 03222-282752/281001, 281004

# Don'ts ❌

- ❌ Strictly adhere to laid down rules and regulations

- ❌ Do not indulge in ragging in any manner, and do not remain a mute witness to an act of ragging by others.

- ❌ Do not move around/sit in areas that are dark, secluded and bushy or the restricted areas.

- ❌ Do not cause disturbance to others by playing loud music / shouting or playing ball / cricket etc inside the Halls.

- ❌ Do not disclose your passwords to anyone.

- ❌ Do not leave your room unattended and always keep your valuable belonging in safe locking condition.

- ❌ Do not hand over keys of your two wheeler to another student, who has not been permitted to drive with IIT Kharagpur campus

- ❌ Do not smoke or consume stupefying drugs.

- ❌ Do not leave Hall without taking prior permission of the Warden / assistant warden.

- ❌ Do not damage property of others, including IIT Kharagpur.

- ❌ Avoid exaggeration when a complaint is made against fellow Student / Staffs of IIT Kharagpur.

- ❌ Do not leave your personal belongings including cash, cards or laptop unattended even for a short period.

- ❌ Do not consume liquor.

- ❌ Do not ride two/four wheelers within Halls area

Contact QRT (Quick Response Team): 03222-281002, 03222-2827100
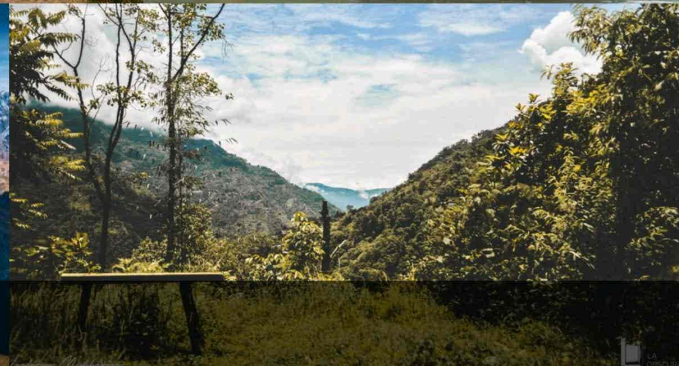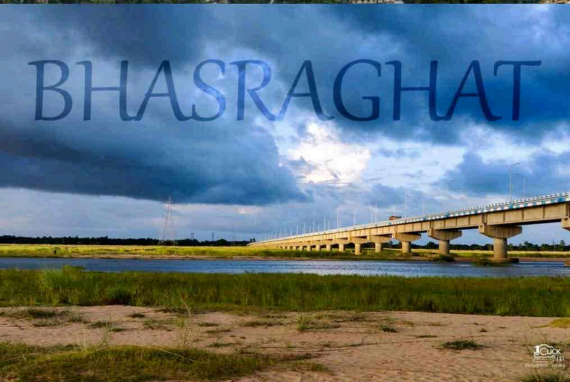
# Guest House Accommodation

The Institute hosts all visitors in four guest houses, three in Campus and one in Kolkata. Regular catering facilities are available in all guest houses. For details and contact numbers please visit individual Guest Houses:

New Technology Guest House (NTGH)

Visveswaraya Guest House (VGH)

Salt Lake Guest House-Kolkata (SLGH)

Hall Management Centre runs SAM guest house which is located in front of the HMC Office, and top of the SAM Hall of Residence. Online booking is activated and is mandatory. For booking, please click here. Once confirmed, you will receive a mail with a Book ID. Prior booking more than 120 days is NOT allowed. Please Note: **1.**Room rent will be received through POS only. No Cash payment will be accepted. **2.**For Online Booking please click Guest House Application Portal Guest rooms are available in different halls of residence

**Booking**
+ 91-3222-282834

**Reception**
+ 91-3222-282800

**Email**
tgh@hijli.iitkgp.ernet.in

**For more details Click**
http://www.tgh.iitkgp.ac.in/

BHASRAGHAT

# Hall Management Centre

Our institute is fully residential. Students are accommodated in 20 Halls of Residence which are managed by HMC. In addition to this, 2 numbers of family accommodations are available for married doctoral scholars and defence sponsored married MTech students. These halls are administered by Wardens and Assistant Wardens with help of hall managers and supervisors. Chairman and Coordinating Wardens (Mess, Maintenance, Allotment) look after the overall administration of HMC. Dean of Student Affairs acts as adviser. Students doing MS and PhD through projects are accommodated in VSRC, which is managed by the Sponsored Research and Industrial Consultancy cell of IIT Kharagpur.

Catering service is provided by the regular hall staff members in some of the halls, and for the remaining halls it has been outsourced to private agencies. Cleaning service is outsourced for all the halls of residence. Currently there are 296 regular employees of HMC. All the halls have 24×7 Internet connectivity, and most of them have common room, music room, library and sports room facilities. Halls also have various sports and culture facilities. Activities related to Mess operations and monitoring, sports and games, cultural events, library etc. are managed by various elected general secretaries and overseen by The Hall President. There are various inter-hall events foremost among which are Illumination, Rangoli and Garden competitions arranged by Technology Gymkhana.

# Glimpses of Academics

At IIT KGP, academic program is designed to give wings to your aspirations - more than teaching, we help you learn and innovate.

A wide variety of disciplines (19 Departments, 13 Schools and 9 Centers of Excellence) are offered which are also amalgamated, thus making available a plethora of multidisciplinary courses.

Students are encouraged to explore the options which suit them the best, irrespective of the discipline to which they have been admitted. This improves their industry worthiness and knowledge base and helps them emerge as well-rounded graduates, equipped for any career either in academics or the corporate world.

Opportunities for research, fellowships, internships, and networking are boundless.

Our admission criteria are among the most rigorous in the country. But on admission, students are supported with :

- Best-in-class Technical
- Facilities Web-enabled
- Classrooms
- Virtual Learning Environment
- Use of Learning Management
- Tools, viz. Moodle
- Discussion Forum
- Academic programs

- ➤ B.Tech. (15 programs)
- ➤ B.Arch, Dual Degree (35 programs)
- ➤ MBA, MHRM, LLB, MMST,
- ➤ MCP, M.Sc/ M.Tech/ MS (67 programs)
- ➤ Ph.D programs
- ➤ Niche field of interest for Undergraduates

Talk about the latest interests - Nano Science & Technology, Energy Science, Environment Science & Technology, Bio-energy, Intellectual Property Law, Business Management, Financial Engineering, they are all here under one umbrella and you can choose these as elective papers for minor or micro-specialization during your B.Tech. or Dual Degree Programs. If you are a Dual Degree student you can even do your M.Tech. from the specific Departments, Schools and Centres.
To choose from you have 19 Departments, 12 Schools and 8 Centres of Excellence. Additionally there are more than 25 R&D units.
Academic programs are offered are B.Tech.(15), B.Arch, Dual Degree(35), MBA, MHRM, LLB, MMST, M.Sc/ M.Tech/ MCP/ MS (68), PhD in 6 broad disciplines:
(1)Engineering, (2)Basic Sciences, (3)Life Sciences, (4)Social Sciences & Humanities, (5)Law  (6) Entrepreneurship.

## 19 Departments

## 15 Schools

## 17 Centres of Excellence

Students may opt for Micro-specializations, Minor or Dual Degree courses in the above.

- ➤ Nano Science & Technology
- ➤ Energy Science
- ➤ Bio-energy
- ➤ Intellectual Property Law
- ➤ Financial Engineering

# Know Your Department

## Visit

To know the insiders' view of the Departments from the standpoint of students. Get a first-hand experience of what the students have to say about the Departments at IIT-KGP

# World-class Faculty

There are approximately 600 faculty in various disciplines who have done PhD from globally renowned universities and done commendable research. The Institute has two Bhatnagar Prizes in the last 3 years and 38 Academy Fellows. Bhatnagar Prize is the most coveted award in multidisciplinary science in India. The faculty members have collectively published more than 1000 research paper in peer reviewed journals and close to 800 conference papers published in proceedings of national and international conferences.

# Faculty Advisor

Faculty Advisors (called as FacAd in KGP lingo) are the first point of contact for the students for any academic process or query. They are professors assigned to groups of students in their department. A student needs approval from their FacAd to register for the courses, take leaves from classes or examinations, book a room in any of the Guest Houses, and other purposes.

# Flexible Academics
## Glimpses of Academics

Talk about the latest interests - Nano Science & Technology, Energy Science, Environment Science & Technology, Bio-energy, Intellectual Property Law, Business Management, Financial Engineering, they are all here under one umbrella and you can choose these as elective papers for minor or micro-specialization during your B.Tech. or Dual Degree Programs. If you are a Dual Degree student you can even do your M.Tech. from the specific Departments, Schools and Centres.

To choose from you have 19 Departments, 12 Schools and 8 Centres of
Excellence. Additionally there are more than 25 R&D units. Academic programs are offered are B.Tech.(15), B.Arch, Dual Degree(35), MBA,MHRM, LLB, MMST, M.Sc/ M.Tech/ MCP/ MS (68), PhD in 6 broad
disciplines: (1) Engineering, (2) Basic Sciences, (3) Life Sciences, (4)Social Sciences & Humanities, (5) Law and (6) Entrepreneurship.

# Interdisciplinary and Flexible Academics

## Depth, Breadth and Additional courses

*Depth subjects* are those part of the Department curriculum and are compulsory courses to be registered by the student.

*Breadth subjects* can be chosen by the students, on the demand of their curriculum, from the vast list of courses available to the student, from various departments, and register on approval of the FacAd and course instructor. Breadth courses will be considered in calculating the total GPA with the depth courses.

*Additionals,* similar to breadth courses, can be chosen and registered by the student on approval from the FacAd and course instructor. GPA obtained in Additionals is counted separately from the overall GPA.

## Minor Course

A student can apply for courses and laboratories in any other discipline and will be taken for the course based on their academic performance to get a Minor degree in that. This way, you are not restricted to the discipline you are admitted to, and thus pick up various other career paths.

A Minor course requires about 6 subjects to be undertaken (18-24 contact hours plus 3-9 hours of laboratory) in addition to the depth course you are enrolled in. Additional credits will be given to the students completing the Minor courses' work. The opportunity of acquiring additional credits and Minor degrees would be available to the students of all the disciplines.

## Micro-Specialization

In order to provide an opportunity for a significant section of our highly talented students to take up niche specialisations from other/interdisciplinary programmes, IIT Kharagpur has initiated the concept of Micro-Specializations. This is offered by departments, centres, and schools, including which do not run undergraduate programs, and also be jointly provided. Micro-Specialization is a smaller and more compact niche topic and requires a student to do a foundation course and two/three courses and/or a project. Micro-Specialization can be pursued by using the elective slots allotted along with the depth course, without the need to take up additionals for the purpose.

## Project-based Learning

In order to provide an opportunity for a significant section of our highly talented students to take up niche specialisations from other/interdisciplinary programmes, IIT Kharagpur has initiated the concept of Micro-Specializations. This is offered by departments, centres, and schools, including which do not run undergraduate programs, and also be jointly provided. Students can be involved in mega projects such as :

- Future of Cities: works on technology for developing and maintaining our cities and future cities.
- Signals and Systems for Life Sciences: focuses on technology for leveraging biometric signal processing for analysis, prognostics, diagnostics and affordable healthcare.
- The Sustainable Food Security project: seeks to leverage technology for food production, processing and distribution logistics.
- SandHI (Science and Heritage Interface): a science-culture initiative that uses technology for our heritage's preservation, archival, development and scientific exploration.

## Semester Away Internship Program (SAIP):

The Institute gives the students enrolled in B.Tech./B.S. courses an option to carry out their complete 7th semester in corporate/industrial sectors or research organizations or academic institutes under the SAIP. Know more about the information and guidelines of SAIP from The given QR code.

# CHANGE OF BRANCH (AT THE END OF FIRST YEAR)

Change of the branch is a privilege and not a right. Only those students admitted to B.Tech.(Hons.) / Dual Degree / Integrated M.Sc. Programs through JEE (Advanced) are eligible to be considered for a change of branch after the Second (Spring) Semester as per the following rules:
To be eligible for consideration for a change of branch the following conditions must be satisfied:

- He/she must have completed all the credits prescribed in the first two semesters of the course, in his/her first attempt, without having had to pass any course requirement in the reexamination, supplementary examination and/or summer quarter.
- He/she must have obtained a Cumulative Grade Point Average (CGPA) not lower than 8.5 at the end of the Second (Spring) Semester.
- He/she must not have been punished for any offence by the Standing Institute Disciplinary Committee or the Committee on Prevention of Examination Malpractices at any time prior to the notification for the change of branch.

## CHANGE OF BRANCH (AT THE END OF FIRST YEAR)

Application for a change of branch must be made by intending eligible students when the notification is made during the Spring Semester of the academic year. The students have to accordingly (I) apply online and (ii) submit signed hardcopy to Academic Section by the specified deadline.

- Students admitted to 4-Year B.Tech.(Hons.) and 5-Year Integrated M.Sc. programs are eligible for consideration for a change of branch to any Engineering or a Science discipline.
- Students admitted to a 5-Year Dual Degree Program are eligible for a change to another 5-Year Dual Degree Program only.

Students may enlist up to TEN (10) choices of branch, in order of preference, to which they wish to change over. It will not be permissible to alter the choices after the application has been submitted.

Change of branch shall be made strictly on the basis of inter se merit of the applicants. For this purpose the CGPA obtained at the end of the Second (Spring) Semester shall be considered. Ties will be broken by the JEE Advanced rank of the applicants.

- In making the change of branch, those applicants shall be first considered who have secured a rank within top 1% (one percent), rounded to the nearest integer, amongst all the first year students in terms of the CGPA scored at the end of the Second (Spring) Semester. Change of branch requested for by such applicants shall be made without any constraint.

You can watch the youtube video for more clarity on the topic :

- The remaining applicants may be allowed a change of branch, strictly in order of inter se merit, subject to the limitation that the actual number of students in the Third (Autumn) Semester, in the branch to which the transfer is to be made, does not exceed 110% of the sanctioned yearly intake for that branch.

The sanctioned yearly intake of a particular branch shall be the number sanctioned by the Senate as the intake for that branch for the particular year of entry of the applicants. To compute the total number of students in the first year, sum of the sanctioned yearly intake of all the branches will be taken. For the purpose of calculating the actual number of students in a particular branch, the number of students joining the branch is to be considered.

# GRADING SYSTEM

As a measure of students performance a 7-scale grading system using the following letter grades and corresponding grade points per credit, as shown in Table:

| PERFORMANCE | LETTER GRADE | GRADE POINT PER CREDIT |
|---|---|---|
| Excellent | EX | 10 |
| Very Good | A | 9 |
| Good | B | 8 |
| Fair | C | 7 |
| Average | D | 6 |
| Pass | P | 5 |
| Fail | F | 0 |

In addition, one grading symbol, X, will indicate that the student is Deregistered /Debarred in that subject. A Semester Grade Point Average (SGPA) will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \frac{\sum_{i=1}^{n} c_i g_i}{\sum_{i=1}^{n} c_i}$$

where 'n' is the number of subjects registered and cleared for the semester, 'C' is the number of Credits allotted to a particular subject, and i 'g' is the grade-points carried by the letter corresponding to the grade i awarded to the student for the subject. SGPA will be rounded off to the second place of decimal and recorded as such. The SGPA would indicate the performance of the student in the semester to which it refers.

Starting from the second semester at the end of each semester S, a Cumulative Grade Point Average (CGPA) will be computed for every student as follows:

$$CGPA = \frac{\sum_{i=1}^{m} c_i g_i}{\sum_{i=1}^{m} c_i}$$

Where 'm' is the total number of subjects the student has registered and cleared from the first semester onwards up to and including the semester S, ' ' is the number of Credits allotted to a particular subject ' ' and ' ' is the grade-point carried by the letter corresponding to the grade awarded to the student for the subject 'S '. CGPA will be rounded off to the second i place of decimal and recorded as such.

From the batch of 2014-2015 onwards the calculation of SGPA and CGPA is be based on all the subjects registered.

When a student gets the grade 'F' in any subject during a semester, the SGPA and the CGPA from that semester onwards will be tentatively calculated, taking only 'zero point' for each such 'F' grade. After the 'F' grade(s) has/have been substituted by better grades during a subsequent semester, the SGPA and the CGPA of all the semesters, starting from the earliest semester in which the 'F' grade has been updated, will be recomputed and recorded to take this change of grade into account.

Conversion of CGPA into percentage Marks: In case of a specific query
by students/employers regarding conversion of CGPA into percentage marks, the following formula will be
adopted for notional conversion of CGPA into percentage marks.
Formula : % Marks = CGPA*10

# Students' Innovation at M N Faruqui Innovation Centre

The M N Faruqui Innovations Centre is funded by distinguished alumnus Shri Arjun Malhotra in the name of Late Professor M N Faruqui, also an alumnus and former faculty of IIT Kharagpur. It facilitates student innovations projects. Interdisciplinary student teams being
supported by this centre and with approved projects are expected to come up with end-use application products which will be taken for real-life tests by the project teams as an innovative product.
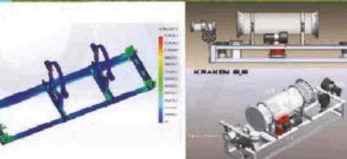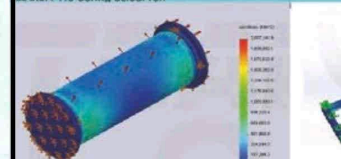
## Academic Curriculum UG

For website link to UG academic curriculum please go to:

www.iitkgp.ac.in → Academic Curriculum (UG)

or https://erp.iitkgp.ac.in/ERPWebServices/curricula/specialisationList.jsp?stuType=UG

to know about the various courses offered by the institute and their content. You can specialize according to your inclination.

## National Digital Library (NDL)

NDL makes learning resources accessible online through a single window search facility with filters through which users can personalize search results. It promotes self-learning and can be used by all learners, at all levels, and in all subject areas. It is designed with user interfaces in most widely used Indian languages covering at least 90% of Indian population. NDL has launched a mobile application as well in addition to the web version.

NDL India is available as Web App (**https://ndl.iitkgp.ac.in**) and as a Mobile App on Android, which can be downloaded from Google Play Store for free.

**18 LAKH** USERS ON WEB AND MOBILE APPLICATIONS

**72 LAKH+** INDEXED CONTENT IN **100** LANGUAGES

**10 SCHOOL BOARDS 85+ EDUCATIONAL AND RESEARCH INSTITUTIONS**

**QUESTION BANK OF 20 TYPES OF COMPETITIVE EXAMINATIONS**

**MEDICAL AND LEGAL SOURCES**

**GLOBAL EDUCATIONAL PORTALS AND PUBLISHING HOUSES**

The following acts of omission and/or commission shall constitute gross violation of the code of conduct and are liable to invoke disciplinary measures:

| | |
|---|---|
| Ragging | Mutilation or unauthorized possession of library books |
| Furnishing false statement of any kind in the form of application for admission or for award of scholarship etc | Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs |
| Displaying lack of courtesy and decorum; resorting to indecent behavior anywhere within or outside the campus | Organizing or participating in any group activity in company with others in or outside the campus without prior permission of the Dean of Students Affairs |
| Adoption of unfair means in the examinations | Resorting to noisy and unseemly behavior, disturbing studies of fellow students |
| Wilfully damaging or stealthily removing any property/ belongings of the Institute, Hall or fellow students | Not intimating his / her absence to the Warden of the Hall before availing any leave. |
| Misuse of Internet/e-mail facilities or tampering / hacking with servers anywhere in the Halls of Residence / Departments etc. | |

# CONDUCT & DISCIPLINE
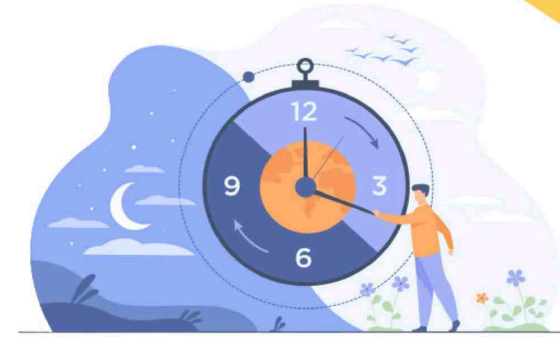
Students shall conduct themselves within and outside the precincts of the Institute in a manner befitting the students of an institution of national importance. Students shall show due respect to the teachers of the Institute, the Wardens of the Halls of Residence, the Sports Officers of the Gymkhana and the Officers of the National Cadet Corps; proper courtesy and consideration should be extended to the employees of the Institute and of the Halls of Residence. They shall also pay due attention and courtesy to visitors. Students are required to develop a friendly relationship with fellow students. In particular, they are expected to show kindness and consideration to the new students admitted to the Institute every year.Law bans ragging in any form to anybody - acts of ragging will be considered as gross indiscipline and will be severely dealt with.
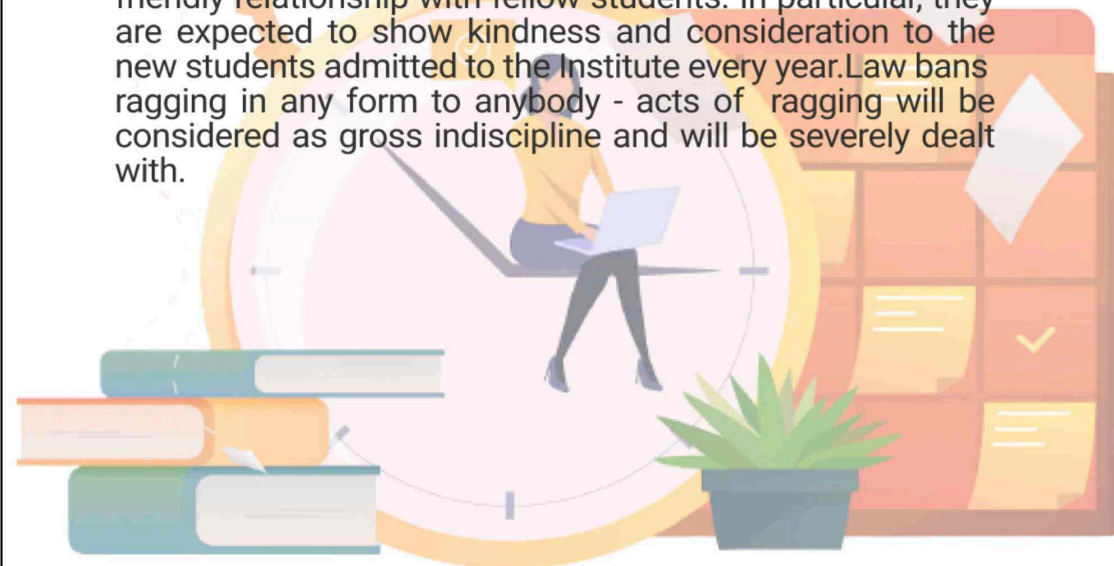
Commensurate with the gravity of the offence, the punishment may be reprimand, fine, and expulsion from the Hall, debarment from an examination, rustication for a specified period or even outright expulsion from the Institute.

For an offence committed (a) in a Hall of Residence, (b) in the Department or a classroom and (c) elsewhere, the Warden, the Head of the Department and the Dean of Students' Affairs, respectively, shall have the authority to reprimand or impose fine or take any other suitable measure.

All cases involving punishment other than reprimand shall be reported to the Chairman of the Standing Institute Disciplinary Committee

All major acts of indiscipline, which may have serious repercussion on the general body of students, and/or which may warrant a uniform and more formalized nature of investigation, shall be handled by the Standing Institute Disciplinary Committee appointed by Senate. The Standing Disciplinary Committee consists of the following ex-officio and other members:

- Dean of Students' Affairs - Chairman
- Chairman, Hall Management Committee - Member
- Warden of the Hall of Residence of which the student concerned is a boarder - Member
- One Faculty nominated by the Senate, by rotation for two years - Member

- Student Vice-President, Technology Students' Gymkhana - Member
- One of the student representatives in the Senate, to be nominated by the Dean Students' Affairs, for one year – Member
- The Deputy Registrar (Academic) - Member Secretary

In addition, the Chairman may invite any other person(s) to be associated with the proceedings of a particular case, if his/her/their participation is considered necessary in disposing of the matter.

Recommendation of the committee, which will include the suggested punishment in cases of guilt proven, will be forwarded to the Chairman Senate for necessary action.
Cases of adoption of unfair means in an examination shall be dealt with by the Committee on Prevention of Examination Malpractices consisting of the following members:
- Professor-in-Charge of Examination - Chairman
- Head of the Department to which the reported student belongs - Member
- The Invigilator reporting the case - Member
- The Invigilator-in-Charge of the Examination Hall concerned - Member • The Paper-setter concerned - Member
- Two members of faculty nominated by the Undergraduate Program & Evaluation Committee for a term of two years - Members
- The Assistant Registrar (UGS) - Secretary

The Committee shall recommend appropriate measures in each case to the Chairman of the Senate for awarding the punishment.

# NATIONAL PROGRAMME OF TECHNOLOGY ENHANCED LEARNING (NPTEL)

Under this programme IIT Kharagpur develops e-learning resources as a partnering institution in the form of video and web courses which are available on the NPTEL website and YouTube. Online certification courses are offered as well. Courses on Communication and Soft skill development as well as job oriented courses are offered. IIT Kharagpur has one of the largest contributions in NPTEL. It has developed 48 web courses and 127 video courses (around 5000 hrs. of video contents) on diverse core and elective subjects. From 2014, online certification courses are being offered under this programme as 'NPTEL certification courses'. These courses in the MOOC format covering the 4 quadrant approach provide courses on core/elective subjects, which imbibe problem solving capability to the learners. Also a number of courses on communication and Soft skill development as well as job oriented courses are offered:
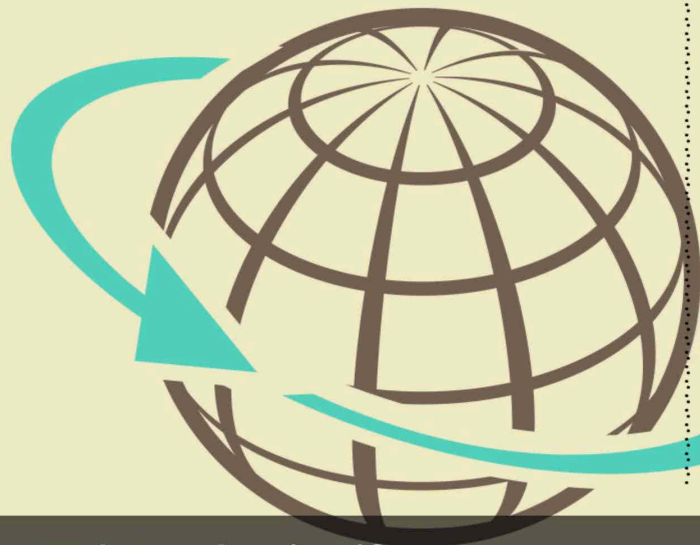
## 67 COURSES

out of the total 355 online courses offered under this programme.

For more information on the available courses, please visit

**www.nptel.ac.in**

The courses on Programming in C++, Embedded Systems Design, Machine Learning, Speaking Effectively offered.

The course on Outcome based Pedagogic Principles for Effective Teaching was well taken by the Faculty members of Engineering

# CAREER DEVELOPMENT CENTRE

**PLACEMENT      INTERNSHIP      CAREER**

## Placement and Internship

The Career Development Centre (CDC) of IITKGP provides 360 degree career solutions to the students in professional development, internships and promoting corporate relations for improving placement and internship opportunities. The student strength is more than 10000 including Undergraduate studies, Postgraduate studies and PhD. More than 60% are Undergraduate students doing B.Tech., B.Arch. and Dual Degree programs. About 1000 students get graduation degree every year. Placement of undergraduate students is more than 80% depending on their CGPA, leadership skills, success in cocurricular and extra-curricular programs and of course the interview with the company. Every year more than 250 companies visit IITKGP and recruit more than 1600 students.

IITKGP has been ranked for two consecutive years as the best institution in India in the Graduate Employability Rankings by Quacquarelli Symonds (QS). Placements in top Indian and international organizations, national labs in defence space and atomic sciences, design houses, engineering conglomerates, consulting companies, financial institutions and so on. 10-15% of IITKGP graduates opt for higher studies in India and abroad right after graduation while some do so after earning a few years of work experience. Some of them take time off to prepare for the nation's premier civil service examinations.

# HAPPY LEADERS AND ORGANIZATIONS

Rekhi Centre of Excellence
for the Science of Happiness
http://www.happiness-iitkgp.org

## Rekhi Centre

The Rekhi Centre of Excellence for the Science of Happiness was set up in July 2016 in order to offer courses, conduct research, develop community well-being centred around the concept of Happiness. It offers a number of exciting courses, and guest talks for the student community, holds an annual International workshop and has various activities, competitions and projects where students can participate and express themselves in various ways.

## Virtual Labs

The Virtual labs project is aimed at providing near-hands-on experience to students in various laboratory topics in sciences and engineering using information and communication technology. The labs have central
platform integration and easily deployable mechanism of delivery to any university student in the country. An open source development,
deployment and management system has been put in place by the Virtual Labs consortium.

## Student Alumni Mentorship Programme (SAMP)

Student Alumni Mentorship Programme (SAMP) is a unique initiative undertaken by the Students' Alumni Cell, IIT Kharagpur.
Through this programme students are connected with alumni who serve both as a guide and a source of inspiration for them SAMP is launched with the goal of keeping the alumni connected to their alma mater as well as share their valuable experience with the current students
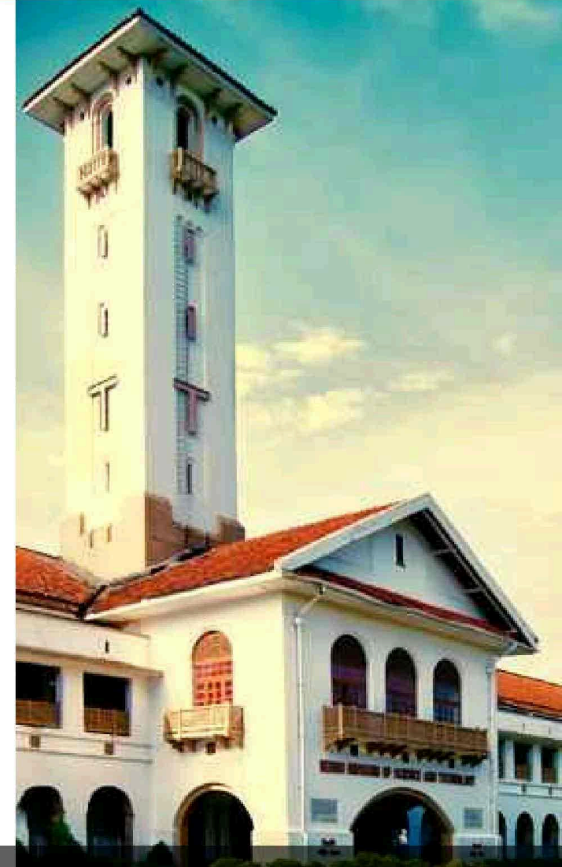
# Internal Committee (IC)

Internal Committee, related to Sexual Harassment and Violence against women at their work-place.

With the rise of acts of violence and offenses against women in the country in recent times, the issues of women's safety and security has sparked a slew of fresh deliberations in the nation. In the backdrop of this larger debate, with due attention to the facts that there has been a substantial increase of female students and some untoward incidents of offensive behavior towards the women (students, faculty and campus residents) do happen at

IIT Kharagpur campus, women's safety is both a timely and important issue for IIT Kharagpur to deliberate upon. In pursuance of the direction of the honorable Supreme Court in

VISHAKA and ORS.v. STATE OF RAJASTHAN and ORS. (JT 1997(7) SC 384)

the Institute constituted a Standing Committee on Women Cell in 2001 to effectively deal with cases of violence against female students, staff, faculty and campus residents.

Presently, this cell functions as the "Internal Committee" as designated under the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.

One or more of the following unwelcome acts or behavior (whether directly or by implication) constituting sexual harassment are:

• Physical contact or advances
• A demand or request for sexual favours
• Making sexually coloured remarks
• Showing pornography
• Any other unwelcome physical, verbal or non-verbal conduct of sexual nature

The following circumstances, among other circumstances if it occurs or is present in relation to or connected with any act or behavior of sexual harassment may amount to sexual harassment:-

• Implied or explicit promise of preferential treatment in her employment; or
• Implied or explicit threat of detrimental treatment in her employment; or

• Implied or explicit threat about her present or future employment status; or
• Interference with her work or creating an intimidating or offensive or hostile work or environment for her; or
• Humiliating treatment likely to affect her health or safety.

This cell undertakes inquiries with regard to complaints of sexual harassment from aggrieved women employees (as defined under the Act, 2013). The complaint is kept totally confidential, and adequate protection is provided to the complainant, where necessary. Complaints are heard expeditiously while adhering to the principles of Natural Justice. Necessary recommendations are provided to the Authority on the basis of the findings of the inquiry.

## Scholarships

1. Close to 1000 students at IITKGP receive financial assistance from various corporations, foundations and external agencies
2. More than 1000 students receive Scholarships on Meritcum-Means
3. Hundreds Of Endowment Prizes and Free Tuition-ship offered by the Institute
4. Alumni Funded Scholarships

Further information on scholarships is available in the rules and regulations document visit

You can find more details about the UG Scholarships and others here
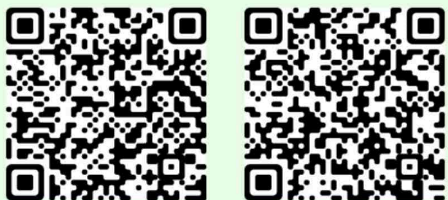
## Special Grants

1. Top-up Fellowships offered by Faculty from Research Projects
2. Special Grants for incubated Entrepreneurship projects

## Banking Assistance

1. At IITKGP education loans can be availed from nationalized banks in the campus.
2. Students will not have to depend on their parents or on scholarships for study.

# Some of other scholarships:

### Panasonic Scholarship

It is a scholarship for Btech students 1st year who are BPL Card holders or are not able to pay for their studies in IITs. Amount – INR 42500 per year for 4 consecutive years as grant to cover students' tuition fee.

### Siemens Scholarship

It is a scholarship for BTech students 1st year in IITs & NITs. Candidate's family income must be below 2 Lacs per annum. Students are awarded with Siemens Scholarship throughout four years of BTech.

### IET India Scholarship

IET India Scholarship is a fellowship for 2nd & 3rd year engineering students in India provided by IET. To get it candidates will go through the various selection rounds included an online test. Amount – Total INR 8 Lacs which will be distributed to the selected candidates.

### Aditya Birla Scholarship

It is provided by the Aditya Birla Group for the people who're pursuing their educational degree from IITs, IIMs, BITS Pilani and Law colleges of India. Amount – It covers the academic fees as well as hostel fee throughout the complete course duration.

### Student Brotherhood Fund

With an objective to promote the feeling of oneness in the student fraternity of IIT Kharagpur, the institute provides funds as "Loans of Honour" (interest-free loans) and "Donations" (Non-refundable), under the Student Brotherhood Fund, to deserving student applicants to meet their own educational/medical expenses.

# AERIAL ROBOTICS KHARAGPUR (ARK)



Autonomous Flying Vehicles: We aim to move the state-of-the-art in aerial robotics forward. Our drones, when ready, would be capable of autonomous flight, localization in GPS denied environments, tracking and interacting with mobile ground robots as well as other drones, and much more!

International Aerial Robotics Competition : IARC is the longest running collegiate aerial robotics challenge in the world. Entering its third decade, the competition continues to tackle challenges that are currently impossible for any flying robots owned by government or industry. We aim to participate in its next iteration.

Project Description: ARK aims to develop a flexible aerial robotics framework which can be easily used to control aerial vehicles. Eventually, we want to move to multiple decentralised aerial robot swarms in an outdoors setting. Currently, we have designed an architecture for IARC which we plan to optimise iteratively for participation



for more details scan this QR

# KHARAGPUR ROBOSOCCER STUDENTS' GROUP (KRSSG)



Kharagpur RoboSoccer Students' Group (KRSSG), is a research group comprising of ardent robotics technocrats across different departments and working together to build autonomous soccer playing robots, under the collective guidance of professors from the Departments of Computer Science, Electrical and Mechanical Engineering. The research objective of the group is to build and study cooperative multi-agent systems in highly dynamic adversarial environments. KRSSG participates in two international competitions FIRA and RoboCup, and works on 3D simulation, autonomous wheeled robots and humanoid robots. We bagged the Bronze Medal in the MiroSot league of FIRA World Cup 2015 held in South Korea. In our latest participation in RoboCup 2018, Canada we stood 2nd in the Skills Tournament of 3D Simulation League. KRSSG is the first Indian team to have participated in RoboCup and notably the only full undergraduate team in the SSL and 3D Simulation Leagues, among 30 other teams, which participate



for more details scan this QR

# AUTONOMOUS GROUND VEHICLE (AGV) MULTIDISCIPLINARY RESEARCH GROUP

# TEAMKART

Team AGV – activity for design and implementation of autonomous ground vehicles. The team has designed, fabricated and operated autonomous vehicles with multiple sensors, data processing, and fusion, incorporating sophisticated control steps. The team has participated in various competitions in India and abroad. It is indeed a matter of pride to note that Team AGV has secured the second position in the 26th International Ground Vehicle Competition (IGVC) held at Oakland University in Rochester, Michigan, USA, from June 1-4, 2018. This event was organized by the Association of Unmanned Vehicle System International (AUVSI)

As an automobile research project, TeamKART focuses on the development of formula style race cars. Comprising of students from all academic years of various engineering disciplines, we work together in the design, fabrication, manufacturing and testing of prototype race cars. Since our inception in 2008, we have successfully manufactured and tested five of our own cars, improving the design with each new one. With these cars, we represent IIT Kharagpur in various national and international competitions, which are held under the name Formula Student. The team has participated twice in national competitions and thrice in Formula Student UK, with our last car K3 recently standing 2nd in one of the events at Formula Bharat 2017. We are currently looking forward to testing our latest car K4 and aim to achieve our best performance with it.

for more details scan this QR

for more details scan this QR

# COMPUTER GRAPHICS SOCIETY

At the Computer Graphics Society-IIT Kharagpur, work is done on the technology of the future. They are a group of students passionate in the development of games, graphics and technologies that they believe will form the cornerstone for the next paradigm shift. From their humble beginnings as a two man (Sudeep Sharma Jeevankur T) Game Development Studio just a few years ago, CGL have metamorphosed into a multi-faceted organisation driven to greater achievements, fueled by their ambition.

for more
details scan
this QR
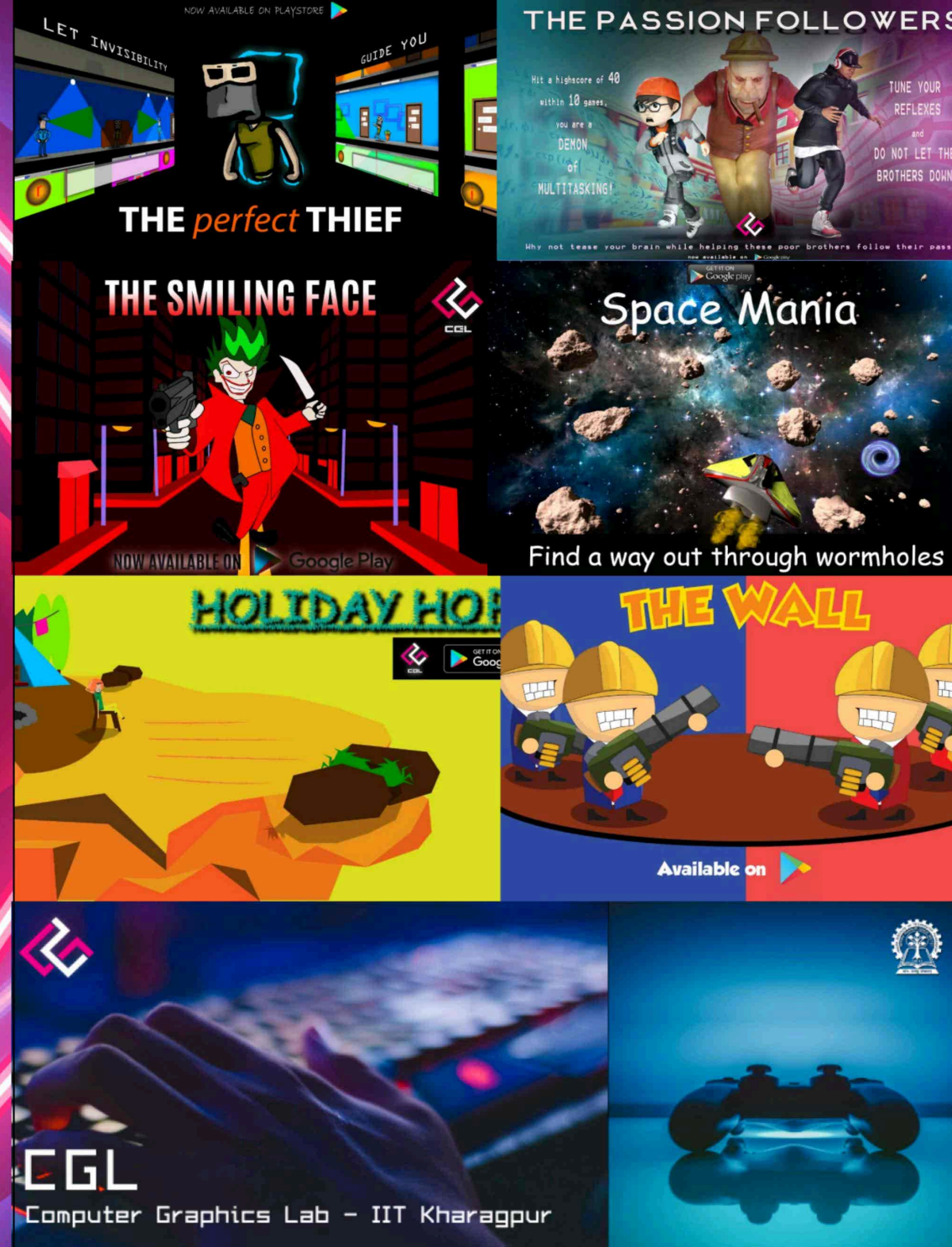
# ILLUMINATION

Illumination is a unique way of celebrating Diwali at IIT Kharagpur. In this, students of each hall come together to lighten up the diyas in a specific format of a design for their respective halls that stands vertically. Rangoli is the floor of art, filled with colours, giving pure blissful eyesight.

Illumination and Rangoli are where students of one hall come together, work, and make the feast for eyes possible on Diwali. The halls which make the best of Illumination and Rangoli win the podium, announced by the TSG.

Making bonds, working hard for days, and enjoying the result of the whole process on the day make Diwali very special and unique for every student of IIT KGP.
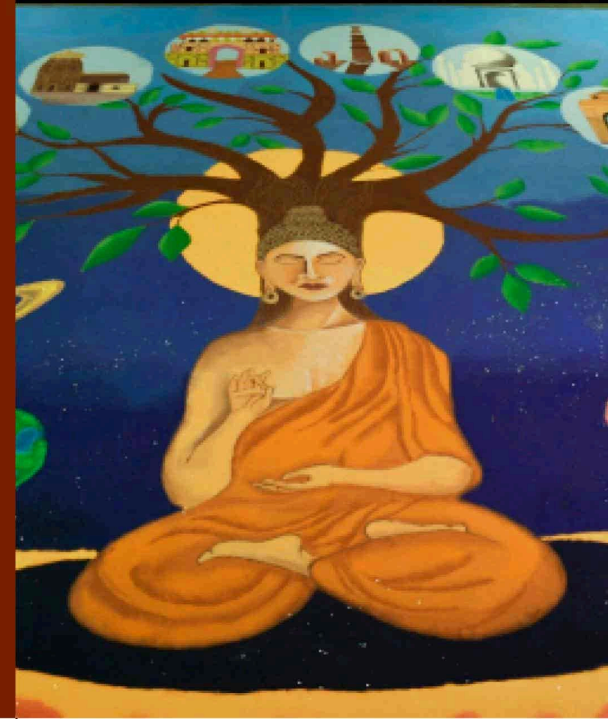
# Essential Contact Information

(For internal phone numbers please prefix **03222** as the STD Code and an additional **2** when calling from a mobile phone)

## Student's Representatives

| | |
|---|---|
| Brahmjot Singh, Vice-President, TSG | 8196837717 |
| Tushan Kumar Singh, UG Representative | 9504269680 |

## Administration

| | |
|---|---|
| Dean, Student Affairs | 82038 |
| Secretary to Dean, Student Affairs | 82042 |
| Academic (UG) Section | 82074; 82079 |
| Office, Career Development Centre | 82231 |
| Office, Enterprise Resource Planning (ERP) | 81016; 69623 |
| Office, Central Library | 82430 |
| Office, Computer & Informatics Centre (CIC) | 82360 |

## Academics

| | |
|---|---|
| Office, Aerospace Engineering | 82241 |
| Office, Agricultural & Food Engineering | 82243 |
| Office, Architecture & Regional Planning | 82245 |
| Office, Biotechnology | 82247 |
| Office, Center for Educational Technology | 82259 |
| Office, Centre for Railway Research | 82400 |
| Office, Centre for Theoretical Studies | 81645 |
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| Office, Chemistry | 82251 |
| Office, Civil Engineering | 82253 |
| Office, Computer Science & Engineering | 82255 |
| Office, Cryogenic Engineering | 82257 |
| Office, Electrical Engineering | 82261 |
| Office, E & E C Engineering | 82263 |
| Office, G S Sanyal School of Telecommunication | 82265 |
| Office, Geology & Geophysics | 82267 |
| Office, Humanities & Social Sciences | 82269 |
| Office, Industrial & Systems Engineering | 82271 |

| | |
|---|---|
| Office, Materials Science | 82273 |
| Office, Mathematics | 82275 |
| Office, Mechanical Engineering | 82277 |
| Office, Metallurgical & Materials Engineering | 82279 |
| Office, Mining Engineering | 82281 |
| Office, Ocean Engineering & Naval Architecture | 82283 |
| Office, P K Sinha Centre for Bio Energy | 81980 |
| Office, Physics | 82285 |
| Office, Rajendra Mishra School of Engineering Entrepreneurship | 81092 |
| Office, Rajiv Gandhi School of Intellectual Property Law | 82237 |
| Office, Ranbir and Chitra Gupta School of Infrastructure Design & Management | 82235 |
| Office, Reliability Engineering | 82289 |
| Office, Rubber Technology | 82291 |
| Office, Rural Development | 82293 |
| Head, School of Bioscience | 83300 |
| Head, School of Energy Science & Engineering | 83088 |

| | |
|---|---|
| Head, School of Environmental Science and Engineering | 83702 |
| Office, School of Information Technology | 81440 |
| Office, School of Medical Science & Technology | 82220 |
| Head, School of Nanoscience & Technology | 83838 |
| Office, School of Water Management | 82212 |
| Office, Vinod Gupta School of Management | 82295 |
| Office, Centre for Ocean, Rivers, Atmosphere and Land Sciences (CORAL) | 82207 |

## Amenities

| | |
|---|---|
| Prof-In-Charge, Guest Houses | 83377 |
| Reception, New Guest House | 82800 |
| Reception, Visveswaraya Guest House | 82885 / 82884 |
| Prof-In-Charge, IIT Kharagpur Extension Centre (Kolkata) | 40101 |
| Emergency, BC Roy Hospital | 82632 |
| Office, BC Roy Hospital | 82630 |
| Prof-In-Charge, BC Roy Hospital | 83602 |
| Office, Sanitary | 82730 |
| Office, Security | 82741 |

# Administration ☎

| | |
|---|---|
| Ashutosh Mukherjee Hall | 81138 |
| Azad Hall | 81110 |
| B C Roy Hall | 81114 |
| B R Ambedkar Hall | 81184 |
| Gokhale Hall | 81118 |
| Homi Bhabha Hall | 81122 |
| J C Bose Hall | 81130 |
| Lala Lajpat Rai Hall | 81134 |
| Megnad Saha Hall | 81180 |
| Mother Teresa Hall | 81177 |
| Nehru Hall | 81142 |
| Patel Hall | 81146 |
| R K Hall | 81150 |
| R P Hall | 81154 |
| R L B Hall | 81158 |
| SN / IG Hall | 81126 |
| Sister Nivedita Hall | 81164 |
| Vidyasagar Hall | 81166 |
| MMM Hall | 81241 |
| LBS Hall | 81265 |

Please visit    __www.iitkgp.ac.in__    Communication Directory

or    __http://www.iitkgp.ac.in/files/comdir.pdf__

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- This booklet is a compilation of information from various sources such as the official website of IIT Kharagpur, Why IIT KGP, various departments, and entities of the Institute etc.
- This booklet is made with the intention to provide convenience to the new students arriving at the institute and to give them a basic orientation of various relevant aspects. The information is not limited to the content of this booklet only, for further/detailed information various web links has been provided in the booklet as and when required. It is encouraged to visit various web links and go through the details or contact relevant Institute officials or faculty advisors.

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# FAQ

Q What is the procedure for subject registration?

At the commencement of each semester, after successful fee payment, registration can be done in ERP -> Academic -> UG -> Student Academic Activities (UG). The box beside EAA must be ticked (if present), and applications for breadth courses and additional courses can be done on the same page. After that, select Save/Confirm.

Q How to apply for a prerequisite waiver?

Go to ERP -> Academic -> UG -> Student Academic Activities (UG) -> Apply for prerequisite waiver.

Q How to avail KGP Library resources?

It has been explained in (www.library.iitkgp.ac.in )

Q Whom to mail when the request under "Various Request Processing (Fees Revision)" is not being executed?

Use the ERP complaints box. Else mail the Academic Section.

Q On uploading a new family income document leading to a reduction of fees, if the approval comes after fee payment for that semester (based on previous family income), is there a procedure for the excess amount to be refunded?

- It will automatically be refunded to your ERP fees portal.
- It will be adjusted in next semester's fees, but if the amount is needed immediately, mail it to the accounts section, Assistant Registrar (ullas@adm.iitkgp.ac.in )

Q What effect does an average to bad Additional CG have during placements?

There would be no effect.

# Credits

**Induction design team**

Gohil Happy Kanaiyalal
Tanishka Garg
Kethavath Shiva
Aditya Raj (Secretary Design)
Nitin Rajvanshi (Secretary Design )

**Content**

Akansha Agarwal (Editor Gymkhana)
Nidham Kumar Jha (Editor Gymkhana)
Nikhil Reddy Marri (Secretary Media
and Content Writing)
Sumit Singh (Secretary Academic Help)
Yaman Meena (Secretary Community
and Crisis)

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An NMEICT Project
Human Resource Development, Govt. of India