INDUCTION
HANDBOOK
2019

Indian Institute of Technology Kharagpur
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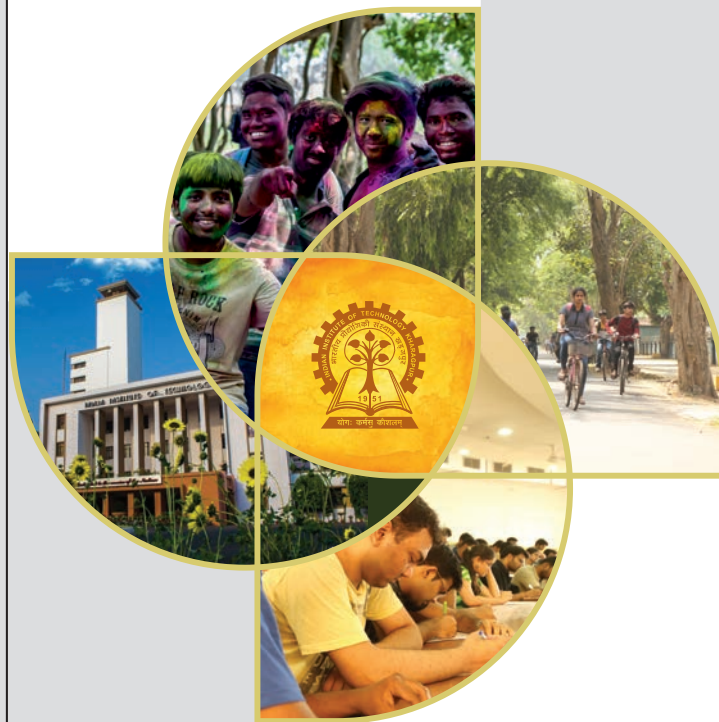📠 +91-3222-255303

🌐 www.iitkgp.ac.in

For more information about the Induction program please visit

http://www.inductionprogram.iitkgp.ac.in/

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INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

योगः कर्मसु कौशलम्
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

Institute
Legacy

Health &
Well Being

Community
Vitality

Envisioning
Future

योगः कर्मसु कौशलम्

INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

Contents

Message from the Director

S K Bhattacharya
Director
IIT Kharagpur

Dear Students

My Hearty congratulations on your success and I extend a warm welcome to each one of you at IIT Kharagpur, the mother of all IITs, most diversified in terms of the programmes offered and our determination and aspiration to make even greater with our combined efforts towards knowledge and excellence.

We, at IIT Kharagpur (lovingly we call IITKGP), have launched an orientation program for you to get yourselves acquainted with the academic programmes and campus life of IITKGP. We hope you get to know more about our broad based programmes, flexible curricula, micro-credit courses, co-curricular activities, students' activities, amenities etc. IITKGP gives you an environment, where you can learn what you want to learn, acquire multidisciplinary knowledge during your course of studies, transcending disciplines and becoming a true IITian. Being a residential campus, you will have an opportunity to interact very closely with your batch mates who have joined IITKGP and get advises from your seniors, who are always ready to mentor you. Take a moment and connect. Instead of competitive approach, take the path of cooperative approach to achieve academic excellence. IITKGP campus gives you ample opportunities to develop an all-round growth and hence try to make use of these. A lot of mixed memories will be created in the coming years, involving your friends, your teachers, your senior but each one of them will make you feel to come back to this institute again and again. Build the foundation today; aim for the sky, but move slowly with patience and enjoy every step along the way. It's all those little steps that make the journey complete. We will walk along with you in this journey of yours and will extend all our help and supports that you need. Share your thoughts with us to help all of us know you better, know your strengths and guide your career path for fulfilling the aspirations.

Message from the Dean of Students' Affairs

A hearty welcome to all newly admitted students to IIT Kharagpur family. We know that you have worked hard to achieve success in your goal of reaching portals of IIT Kharagpur. But be sure this is the first step. Once you are here, you can do great things. This will require persistent hard work in academics. You have opportunities in the form of resources your curriculum, your professors, an excellent library, your peers and an environment where excellence thrives.

When you need diversion, you have sports, social-cultural and technology driven activities conducted under aegis of Students' Gymkhana. You can have a plethora of extra-curricular activities. This helps in developing your personality, leadership skills and above all friendships that last a lifetime. There are student support groups such as Institute Wellness and Student Welfare Groups. They are there to help you in case of any problems. Please avoid high risk behaviour of any kind.

So come and join IIT Kharagpur family – excel academically, engage with fellow students, peers and professors, make yourself eligible so that you can serve your family, institute and country and they can be proud of you.

Be helpful to people around you. At the same time, should you have problem, do not hesitate to seek help from those near you.

❝ Dream as big as you can, but work in such a way that the minutest of details are not left out ❞

Best wishes
Somesh Kumar
Dean (Students' Affairs)

Message from Dean Undergraduate Studies

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.

Remember - **IITKGP!** It means
Introspect and appreciate your uniqueness
Invite yourself to surround with other people who are different
Turn the experience into lifelong learning
Keep positive environment around you
Go on swimming during storm….Tough times will pass
Purely and surely enjoy the Ride!
Wishing you all the best. Have Fun and Chhulo Aasman ko!

❝ If you desire to make a difference in the world, you must be different from the world. ❞

– Elaine S. Dalton

Sudhir Kumar Barai
Dean
(Undergraduate Studies)

Academic Calendar (Autumn 2019-20)

Reporting of UG 1st year (all courses)	21.07.2019 (Sunday)
Admission to UG 1st year (all courses)	22.07.2019 (Monday)
Induction programme for 1st year UG students	23.07.2019 to 28.07.2019 (Tuesday to Sunday)
Last date of digital approval of Registration by Faculty Adviser in the Department/Centre/ School (for 1st year UG students only)	30.07.2019 (Tuesday)
Classes will commence for 1st year UG students	29.07.2019 (Monday)
Mid-autumn semester examination	16.09.2019 to 24.09.2019 (Monday to Tuesday)
Autumn break for students	05.10.2019 to 09.10.2019 (Saturday to Wednesday)
End-autumn semester examination	18.11.2019 to 27.11.2019 (Monday to Wednesday)
Winter break	28.11.2019 to 01.01.2020 (Thursday to Wednesday)
Senate meeting/declaration of results (Tentative)	20.12.2019 (Friday)

For website link to academic calendar 2019-20 please go to:

www.iitkgp.ac.in → Academic Calendar 19 – 20

Holidays

The current list of holidays in the Autumn semester 2019-20 are:

**Id-ul-Zuha (BakriId)	12.08.2019	Monday
Independence Day	15.08.2019	Thursday
Muharram	10.09.2019	Tuesday
Mahatma Gandhi's Birthday	02.10.2019	Wednesday
Dussehra (Maha Nabami) (Additional)	07.10.2019	Monday
Dussehra Vijaya Dashami	08.10.2019	Tuesday
An Additional day for Dussehra	09.10.2019	Wednesday
Diwali (Deepavali)	27.10.2019	Sunday
Prophet Mohammad' Birthday (Id-E-Milad)	10.11.2019	Sunday
Guru Nanak's Birthday	12.11.2019	Tuesday
Christmas Day	25.12.2019	Wednesday

For website link to holidays please go to:

www.iitkgp.ac.in → Holidays

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 is

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

PRISON CELLS

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. The 22 member committee headed by Sri N.R.Sarkar, in its report, 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 Hijli, Kharagpur, in the eastern part of India. Initially the IIT started functioning from 5, Esplanade East, Calcutta and very soon shifted to Hijli 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. This is possibly one of the very few Institutions all over the world which started life in a prison house.

Inclusivity

12000+ STUDENTS
of IITKGP come from all
ACROSS 29 STATES
of the country and beyond the national boundaries to
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 brief write up we wish to give you an overview of the Induction program that has been designed for you.

Why Induction Program?

Most universities and colleges around the world have Induction or Orientation programs that range from anything from one day to one month for the new students. During this period, students participate in a wide range of social activities, sports challenges, and life skills programs. The Induction program at IIT Kharagpur aims to fulfill the following needs that you may have:

1	To inform you about academic and social issues	6	To develop belongingness
2	To help you understand the academic environment	7	To provide information about different kinds of help
3	To help you recognize skills required to do well	8	To help you develop friendship
4	To generate interest in your respective areas of study	9	To get you familiar with the campus life
5	To make you feel confident about their future	10	To help you adapt to transitions

During the following days you will be involved in various kinds of activities as indicted:

→ **Interaction** with the Director and the administration team

→ **Know your department** - interactions, awareness of opportunities, etc, available there

→ **Life Skills Activities** – in order to learn more about yourself, others, to develop abilities to deal with stress, conflicts, competitions and to develop bonding

→ **Physical activities** – exposure to diverse sports and games at the Institute

→ **Creative and cultural** events and activities that you are interested in

→ **Community life** – in halls, and through relation with your seniors and faculty members

→ **Guest talks** – by eminent speakers on various areas

And many more exciting things that we are sure you will love and remember for days to come!

During the Induction program, you will form small groups to do various activities. Please check our website periodically to find out details of programs, timetables, and other relevant downloads and information available. (website…)

So, let's get started to being the most exciting week of our lives!

Induction Team
IIT Kharagpur

http://inductionprogram.iitkgp.ac.in/

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:** The module is aimed towards helping you realize the pressure of expectation from friends and classmates. More often you go by comparative standard rather than self standard which are detrimental to your performance, causing excessive achievement anxiety.

→ **Competition & cooperation:** Because of the peer pressure, you often try to compete with others without rationale and beyond your capability. This leads to distortion of relationship with peers. Understanding the essence of healthy competition often helps you in building 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 co-exist within. Such conflicts result in diffin making. You will learn the essence of 'best', 'good', and 'right' deciculty in decisiosions in life, in general, and in 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 potentiality 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 © become capable of facing the challenges in your unique way.

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

The Team

A Choudry	H S Mahato	Ravikant Vadlamani
A Naskar	J Mahakud	Renji Remesan
A Rajakumar	Jeevanjyoti Chakraborty	Riddhiman Dhar
A Samantray	Jenia Mukherjee	Ritobrata Goswami
Aditya Bandopadhyay	Jitendra Kumar	Ritwik Ghoshal
Akhilesh Kumar	K Goswami	Rudra Pradhan
Amalan Dutta	K Ghoshal	S K Panda
Anandroop Bhattacharya	Kranthi Kumar Kuna	S Majumdar
Anup Ghosh	M K Mandal	S Paul
Aritra Hazra	M Padmavati	S Sahaney
Arjun Mukherji	Madhab C. Das	Saamdu Chetri
Arkopal K Goswami	Manish Kaushal	Sabyasachi Maiti
Arnab Roy	Manoj Kumar Mondal	Saud Afzal
Ashis Maity	Mantu Kumar Mahalik	Somesh Kumar
Avishek Chatterjee	Mihir K Dash	Somindu Ramana
B B Rai	Mihir Sarangi	Somnath Roy
B K Prusty	Mrigank Sharad	Soumya De
B S Das	Neeraj Goel	Sourav Mitra
B S Sastry	P Mishra	Sourav Mondal
Balraj K Sidhu	P N Sinha Roy	Sudhir Barai
Bandi Krusi	P Patnaik	Susmita Mukhopadhyay
Chetna Singhal	P S Burada	V N Giri
D Pandit	Palash Dey	Vishal Singh
D R Mailapalli	Prasun Jana	Vishwanath Nagarajan
D Suar	Pulak Mishra	Vivek Dixit
Debmalya Banerjee	R Machavaram	W K Mohanty
Gourab Dutta	Rajlaxmi Guha	
Gouri Shankar Hiremath	Raju KD	Student Welfare Group
Goutam Sen	Ratan Joarder	IIT KGP

INDUCTION PROGRAM OF PREVIOUS YEARS

Director's talk
https://goo.gl/bZrCRf

R Gopalakrishnan's talks
https://goo.gl/jPpfZA

**TSG activities
(yoga, aerobics, calisthenics)**
https://youtu.be/LyrqbvgvRSo

https://youtu.be/biOo4zk5blw

https://youtu.be/cBMxnJJ8KNc

Students at IITKGP have a multi-faceted life with socio-cultural activities, techno-management projects, sports, health and wellness, social work etc. There are more than 40 student societies under the Technology Students' Gymkhana, which is the nerve-centre of the student life at IITKGP. Gymkhana is an integral part of the life of an IITKGP student with regular activities in the above domains and annual competitions among the halls of residence.

The Gymkhana also holds festivals during the year organized by the students such as Illumination and Rangoli which are as famous as the famous alumni of IITKGP. Illumination and Rangoli are celebrated on Diwali eve wherein students light up their Halls of Residence thematically and create colorful floor frescos as well. The Halls of Residence celebrate Holi with grandeur.

Visit

https://wiki.metakgp.org/w/Fresher%27s_guide

to read the Fresher's Guide.

Wi-Fi

IIT Kharagpur has an extensive network of WiFi routers throughout the campus and halls of residence. Connecting to the WiFi routers does not require a password. There are multiple WiFi access points like Campus, Student, Guest etc and any network could be connected to.

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, Internet can be accessed.

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 computer related services, visit:

www.cic.iitkgp.ac.in

INTERNET ACCESS

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.

Tech Market

The centrally located Technology Market (or Tech M in a KGPian's lingo) serves you of all your basic necessities.

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 peoples' convenience. Within campus are restaurants like

Billoos
famous for its Punjabi food

DREAMLAND SAHARA

Hot Bite

HERITAGE
AIR CONDITIONED RESTAURANT

SUBWAY

baskin robbins

a LOT can happen over coffee Café Coffee Day

ROOSTER DELIGHTS

At last, 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.

Each Hall of Residence has its own Canteen apart from the mess. The JCB, HJB and VS Mens Hall Canteens allow ladies too to sit and enjoy meals. 'Eat-KGP' a virtual collaboration of all the in-campus eateries provides room delivery of food through online orders.

One can always visit Dominos, Flavours and Park Restaurants outside the campus (approx. 5 kms).

For more details please visit   http://www.iitkgp.ac.in/student-eateries

Students On-Campus Amenities

Commercial: Market/ Bank / PO / Travels - Railway and Air Ticket Reservation Counters

Social / Entertainment: Games & Sports: Pool, Gym, Tennis; Auditorium / Club / Community Centre; Eateries: Café Coffee Day, Subway, Baskin Robbins, other on-campus eateries, Room-delivery, Canteens, Domino's Pizza within 10km

Infrastructure: WiFi enabled Campus, 24 hr Power / Water / Network, Well maintained Roads, Bicycle Lanes, Parks, Spaces

Social Media

https://www.facebook.com/IIT.Kgp/

https://twitter.com/iitkgp?lang=en

https://www.youtube.com/watch?v=P5BlUycO6sI

https://www.linkedin.com/school/157265/

https://www.quora.com/How-is-college-life-in-IIT-Kharagpur

Technology Students' Gymkhana

Student Activity Center or better known as the Technology Students' Gymkhana, here at IIT Kharagpur is the hub of the numerous extra-curricular and co-curricular activities ranging from sports to socio-cultural. From its inception in 1952, the Gymkhana has played a key role in the everyday lives of Kgpians by cultivating and nurturing their extra-curricular talents. The motto of Technology Students' Gymkhana is "Yogah Karmasu Kausalam" which means "Perfection in action is Yoga".

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 has a student body, consisting of members selected through annual campus elections and each member of the student body takes care of a particular aspect related to the students life. It aims at promoting a culture of sportsmanship and teamwork in the students by providing them with wonderful sports facilities. The

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.

Festivals

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)

Support Groups for Institutional Activities

Alumni Cell, Entrepreneurship Cell, International Relations Cell, Place-com, Branding & Relations Cell, Students' Welfare Group, Technology Transfer Group

Socio-Cultural

Eastern Technology Music Society, Western Technology Music Society, Technology Dance Society, Technology Dramatics Society, Debating Society, Technology Filmmaking and Photography Society, Spectra, Quiz Club, Technology Adventure Society, Technology Literary Society, Awaaz, The Scholars' Avenue

Social Welfare and Community Service

Gopali Youth Welfare Society, Student Welfare 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.

Eastern Technology Music Society | **Western Technology Music Society**
Dramatic Societies: Pravah - Hindi, Encore - English, Druheen - Bengali,
Prasthanam - Telugu | **Technology Dance Society**

Technology Film Production Society | **Spectra: Fine Arts Society**
Debating Society | **Technology Literary Society** | **Business Club**
Quiz Club | **Robotix** | **Technology Adventure Society**
**Communique: Soft Skill Development**

CULTURAL FEST - (SPRING FEST)

Spring Fest, the annual social and cultural fest of IIT Kharagpur, has grown to an amazing level of avidity and thus transformed itself into nothing short of a marvel. Spring Fest 2018 whose awaiting could not have been more prolonged, exceeded all expectations by miles in each and every semblance. Entertainment and competition were elegantly weaved together and the participants received one of the best platforms to excel and display their skill and passion. Star performances have been one of the major attractions and Spring Fest 2018 continued its legacy, with the highest number of star performances including The Local Train, Sachin and Jigar, EDM night by Diego Miranda and Siana Catherine, a wonderful performance by Shaan and many international performances.

TECHNICAL FEST - KSHITIJ

Kshitij is Asia's largest annual techno-management symposium of Indian Institute of Technology, Kharagpur. A showcase of innovation, the symposium aims to bring together healthy competition from across the country together and celebrate technological advancements. This year the 15th edition of Kshitij was held from 19th to 21st January. With a plethora of 33 events, Kshitij 2018 saw a total participation of over 3000 students. Illustrious personalities from across India to grace the stage at Kshitij 2018 were Mr. Imtiaz Ali, Dr. Vasudev Aatre, Dr. Rajedra Singh and Mr. D. Sivanandan among others. Kshitij 2018 also saw the latest cutting-edge technology being exhibited during the fest, which included Robotic Band from Japan, Team Synergy from Croatia, Indro 3.0 of India. Industry experts from Nvidia, Microsoft, Mahindra, IBM, Intel and many giant firms imparted first-hand experience to the participants through the informative workshops conducted during Kshitij 2018.
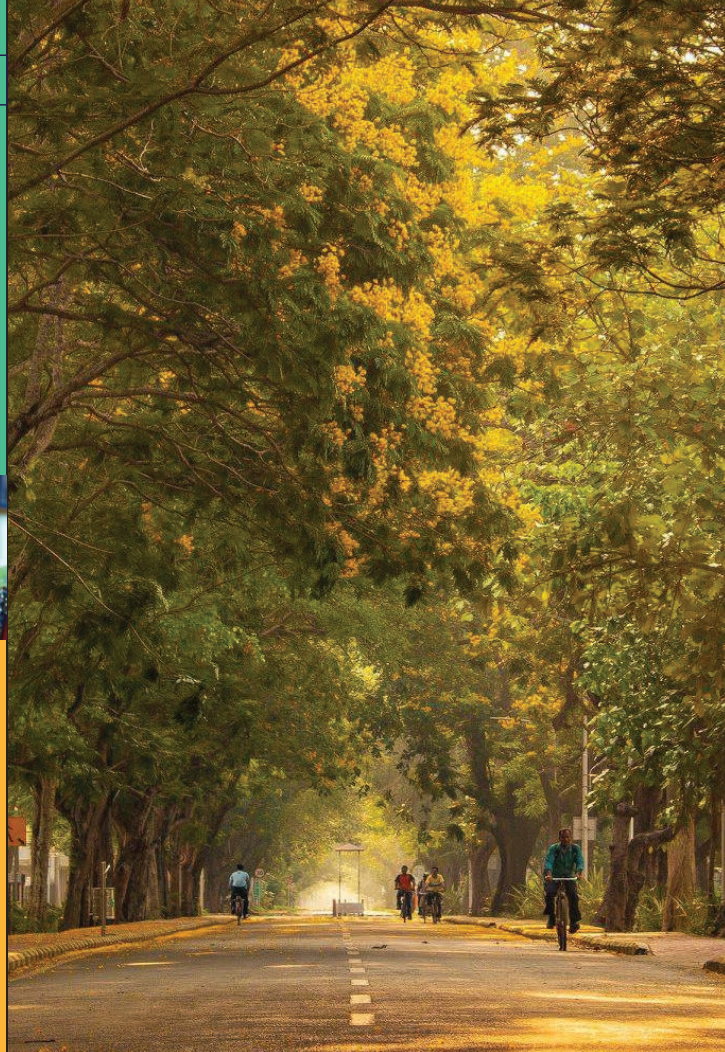
Awaaz

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.

To access the newspaper, please visit

http://awaaziitkgp.org/

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.

To access the newspaper, please visit

http://www.scholarsavenue.org/

Sports

Round the year there is always a buzz of sports activities in the campus.

This year Inter Hall Athletics Meet was divided into 02 parts namely Senior Inter Hall Athletics Meet and Junior Athletics Meet, giving new comers a chance to show their potential. Sports G.C. was won by Rajendra Prasad Hall of Residence and Azad Hall of Residence grabbed second Position and Girl's G.C. was won by SN Hall of residence.

Workshops in almost all of the sports were conducted to increase the participation and passion of the students in sports. Apart from this a large number of new and exciting events such as Women's Football Workshop named Let's Football, Neymar's Juniors Five and Women's Week.

Weekend Outings

Sea beaches at Digha, Mandarmani, Talshari, Tajpur, Mangrove forests of Sunderbans, Lagoons of Bhitarkanika, Treks, Tours and Adventure Sports at Himalayan mountains of Darjeeling and Sikkim, Forests of North Bengal, Historical tours of Kolkata, Murshidabad, Bishnupur, Cultural tour of Shantiniketan, Amusement Parks, River tour, Dining out at Kolkata.
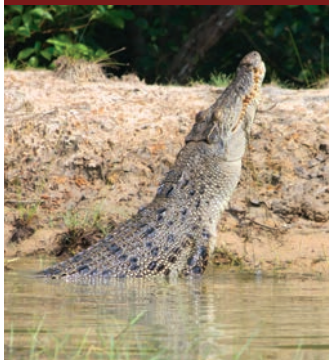
Health and Wellness

B. C. Roy 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.

Student Medical Insurance

B C Roy Technology Hospital refers patients to higher centers of care for specialized healthcare services and medical treatment. IIT Kharagpur has Memorandum of Understanding (MOU) with several corporate hospitals in Kolkata. For students, there is a medical insurance scheme. For the referral of the students, there is an arrangement with several hospitals, which include:

- Peerless Hospital, Kolkata
- Ruby General Hospital, Kolkata
- Meridian Medical Research and Hospital Ltd (West Bank)
- ILS Dum Dum

In case of any queries, kindly mail us at arun.das@mediassistindia.com or call us @ Manav 08584033178/ Mr. Sanjiv 9339767166 / Mr. Mihir 09331054120

For any medical claim related assistance contact :

Mr. R. K. Jha, Liaison Officer, Academic Section, IIT Kharagpur, Mob. No. - 9474625035, E-mail ID - rkjha@agfe.iitkgp.ernet.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 pose a hindrance to their regular activities on campus.

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.

Full-time clinical psychologists and a visiting psychiatrist are available for consultation at the Centre. The Centre has also initiated an outreach programme to create a team of sensitized wing representatives from each Hall of Residence who can reach out to students in need.

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.

Apart from individual sessions, the Centre plans to conduct group sessions to address life skills such as assertiveness, problem solving, anger management, self-awareness, and interpersonal relationships.

The Counselling Centre also functions as a coordinating point for crisis intervention.

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

To a happy and inclusive KGP! :)

Institute Wellness Group and Interaction Rooms

Institute Wellness Group (IWG) is a student body with a mission to create a happy student community! Under the Students' Welfare (SW) Portfolio of the TSG, IWG consists of students groomed to carry out welfare activities and uphold the glorious culture of the campus.

The members of IWG act as primary nodes of student counselling and after continued efforts from the previous office holders, we have set up Interaction Rooms in every hall of residence. They function as a space for getting Motivation, Stress Relief, Personal Assistance and expressing Gratitude. Students are welcomed to come forward and express their hearts out and take any help they need to be happier and stress free. Home-sickness and acceptance/tolerance to new conditions and people is where most freshers face a difficulty and we are ready with ways to tackle it!

To know about the location of the interaction rooms and to stay updated about our activities, kindly follow our facebook handle (www.facebook.com/iwg.iitkgp)

Safety and Security

Dos and Donts for IIT Kharagpur Students
Strictly adhere to laid down rules and regulations

✅ DOs

- ✓ Do carry an Identity proof whenever you go out of IIT Kharagpur campus.
- ✓ Respect your faculty, Fellow Students, seniors, Hall Staff and Mess Staff.
- ✓ Keep your room clean, tidy and ventilate it regularly. Help to maintain Cleanliness within the Hall and Campus.
- ✓ Adhere to mess timings and co-operate with Mess Staffs'
- ✓ Report movement of any unknown / suspicious person in the Hall and Campus.
- ✓ Switch off your room lights and fans when not needed or when you out of your room even for a short while. Help IIT Kharagpur save electricity.
- ✓ Close the taps and avoid wastage of water. Report if any tap is leaking.

- ✓ Enter your guest particulars with submitting student I-Card at the Security desk before leaving and entering the Hostel premises.
- ✓ 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.
- ✓ Inform the Warden and Institute in case of change of address / contact details of parents / local Guardians.
- ✓ Beware of snakes within campus; do not move out at night in isolated / Restricted area.
- ✓ Report and misconduct / indiscipline on the part of any one in the Hall and also report any undesirable activity within the Halls / Campus.
- ✓ Take care of hostel properties and assets. Report any loss or damage to IIT Kharagpur property in the Halls / Room.

❌ DONTs

- ✗ Do not leave Hall without taking prior permission of the Warden / assistant warden.
- ✗ Do not indulge in ragging in any manner including remaining a mute witness to an act of ragging by others.
- ✗ Do not ride two/four wheelers within Halls area.
- ✗ 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 consume liquor.
- ✗ Do not smoke or consume stupefying drugs.
- ✗ Do not damage property of others, including IIT Kharagpur.
- ✗ Do not move around/sit in areas that are dark, secluded and bushy.

- ✗ Do not cause disturbance to others by playing loud music / shouting or playing ball / cricket etc inside the Halls.
- ✗ Avoid exaggeration when a complaint is made against fellow Student / Staffs of IIT Kharagpur.
- ✗ Do not divulge your ATM Pin / Password number to another student / friend.
- ✗ Do not leave your personal belongings including cash, cards or laptop unattended even for a minute.
- ✗ Do not leave your room unattended and always keep your valuable belonging in safe locking condition.

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

QRT (Quick Response Team): 03222-281002, 03222-28271003

Environment

Sustainable
Development

Social | Economical

Vision Prabaho is the self-governing non-profit organization, run by the students of the Indian Institute of Technology, Kharagpur, focusing on the major environmental issues in and around the Campus. Members of Team Vision Prabaho are mostly from the students of the institute and supported by the faculty members, administration, and residents of IIT Kharagpur.

Our mission is to raise environmental awareness among the people of IIT Kharagpur, and address major environmental issues like plantation, air quality, plastic pollution, waste management etc. We believe as a part of this elite institution we hold a greater responsibility towards the environment, and this is a high time to step forward against the imminent threat of environmental degradation and climate change.

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.

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/

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 Centres 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 and (6) Entrepreneurship.

19
DEPARTMENTS

12
SCHOOLS

08
CENTRES

Students may opt for Microspecializations, Minor or Dual Degree courses in the above.

▶ Nano Science & Technology

▶ Energy Science

▶ Bio-energy

▶ Intellectual Property Law

▶ Financial Engineering

Know Your Department

Visit http://why.iitkgp.ac.in/know-your-department

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 papers in peer reviewed journals and close to 800 conference papers published in proceedings of national and international conferences.

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.

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Interdisciplinary and Flexible Academics

Minor Course - A student performing well in his academics can choose courses and laboratories in any other discipline and can get a "minor" degree in that. This way you are not restricted to learning about things only in the discipline you get admitted to, but you can choose courses of your interest to later on take up a career path of your liking. A Minor course requires about 6 subjects to be undertaken (18-24 contact-hours plus 3-9 hours of laboratory) in addition to the major discipline. The students taking up a minor course will get additional credits. The opportunity of acquiring additional credits and the minor would be available to the students of all the degrees and disciplines.

Micro-Specialization - In order to provide opportunity for a larger section of our highly talented students to take up niche specializations from other / interdisciplinary programmes, IIT Kharagpur has initiated the concept of Micro-Specializations. This is offered by departments, centres, schools including those who do not run undergraduate programmes and can also be jointly offered. A Micro-Specialization is a smaller and more compact but niche topic and requires a student to do a foundation course and two / three courses and/or a project. It is possible to pursue a Micro-Specialization without the need to take too many additional courses by properly utilizing the elective slots.

Project-based Learning - Students are engaged in the mega projects:

- Future of Cities focuses on technology for the development and maintenance of 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 uses technology for preservation, archival, development and scientific exploration of our heritage

- The projects have industry and other external partners thus giving professional exposure to students

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 re-examination, 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.

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.

- 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, there shall be one grading symbol **X** used to indicate that the student is Deregistered / Debarred in that particular 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_i' is the number of Credits allotted to a particular subject, and 'g_i' is the grade-points carried by the letter corresponding to the grade 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:

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, 'C_i' is the number of Credits allotted to a particular subject 'S_i' and 'g_i' is the grade-point carried by the letter corresponding to the grade awarded to the student for the subject 'S_i'. CGPA will be rounded off to the second place of decimal and recorded as such.

*From the batch of 2014-2015 onwards the calculation of SGPA and CGPA will 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 n**otional 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.

KRAKEN 1.0 during actual run

KRAKEN 2.0
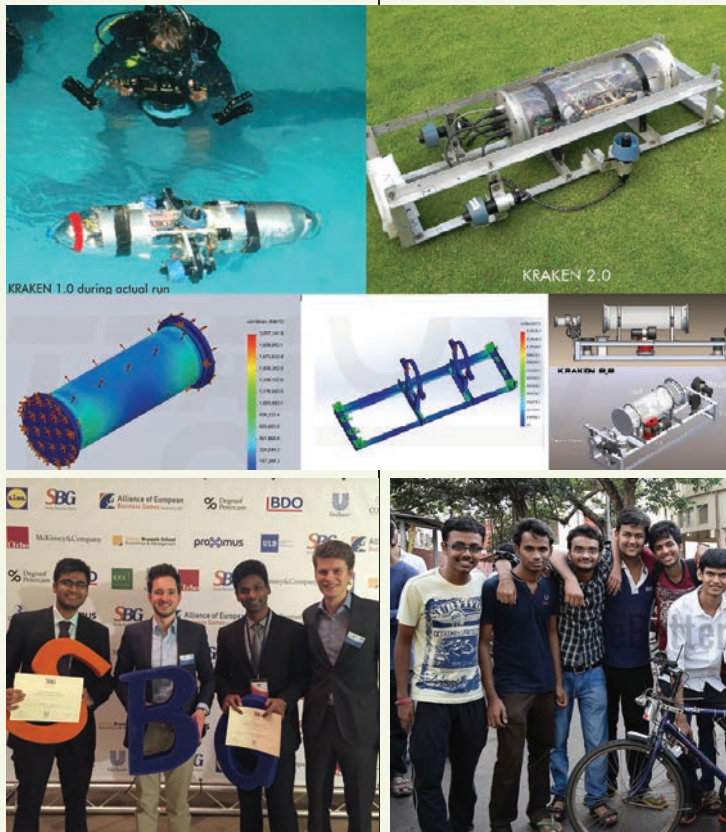
Academic Curriculum UG

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**

Conduct and 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.

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

→ Furnishing false statement of any kind in the form of application for admission or for award of scholarship etc

→ Displaying lack of courtesy and decorum; resorting to indecent behavior anywhere within or outside the campus

→ Wilfully damaging or stealthily removing any property/belongings of the Institute, Hall or fellow students

→ Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs

→ Adoption of unfair means in the examinations

→ 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

→ Mutilation or unauthorized possession of library books

→ Resorting to noisy and unseemly behavior, disturbing studies of fellow students

→ Misuse of Internet/e-mail facilities or tampering / hacking with servers anywhere in the Halls of Residence / Departments etc.

→ Not intimating his / her absence to the Warden of the Hall before availing any leave.

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 © 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. Since January 2016, IIT Kharagpur has 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 in the past were very popular amongst the audience.

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

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 co-curricular 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.

International Internship

Select students from the Institute are offered international internships by the alumni in various corporate houses. 3rd year B.Tech, 4th year Dual Degree and 4th year Integrated M.Sc. who are eligible for 8 weeks / 40 days compulsory summer internship for the following courses.

Career

Career Development Cell (CDC) arranges pre-assessment test and softskill development training for both UG & PG students for their career development.

International Relations

Semester Away Programme (SAP) provides students with the unique opportunity of studying in any university of his choice whether in India or abroad for a semester or two. SAP provides the students with the opportunity to explore their interests and gain international experience.

International exposure is crucial for a holistic development of an individual and the experience of living and working abroad will be tantamount to this endeavor. To achieve this goal, **Foreign Training Program (FTP)** has been initiated. Under this program, we have started formalization of the foreign training application procedure in collaboration with the **Career Development Cell.**

Moodle

Moodle facility at IIT Kharagpur is provided to the faculty members and students for enhanced teaching and learning experience. Moodle is being used for uploading of course materials, support for class assignments and evaluation, making and uploading of Video clips for better understanding of theory topics and laboratory experiments and support for on-line Class test, Quiz and their evaluations.

Entrepreneurship

Incubation of entrepreneurial ventures at IITKGP are done at two verticals -

M.Tech. at Rajendra Mishra School of Engineering Entrepreneurship along with incubation facility which provides guidance and finance for product development, marketing strategy development, infrastructure for R&D. This M.Tech. programme can be opted by students enrolling for Dual Degree.

Science and Technology Entrepreneurs' Park (STEP) provides the unique resource for consultancy in entrepreneurship management and venture capital management.

Entrepreneurship Break - If you hit up on a big idea during your stay here and would like to take a semester break to pursue entrepreneurship, IIT Kharagpur not only allows you to do that but provides all help possible to support your endeavor.

Joint International Academic Programmes

The Institute offers Joint PhD programs with the following universities:

THE UNIVERSITY OF
MELBOURNE

UNIVERSITY
OF WOLLONGONG
AUSTRALIA

Curtin
University of Technology

IITKGP has collaborations with many reputed universities across the globe. With some such as Curtin and Melbourne there are Dual Doctoral Programs, with some there are research collaborations such as Loughborough, Imperial College, Southampton, Warwick, Manchester.

With US universities, IITKGP has strategic collaborations such as Johns Hopkins Medical School with the Medical programme and George Washington Law School with the IITKGP Law School. Students exchange programs are conducted as well with US universities. Joint Practicum for 1 year was conducted with MIT, Joint Workshop conducted with Indiana University of Pennsylvania on Climate Change, Joint Conference with Columbia University and many more such projects. MoUs with Purdue, Texas A&M, Rutgers etc.

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.

Internal Complaints Committee (ICC)

Internal Complaints 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.

Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013

In pursuance of the direction of the honourable 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 Complaints 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

Contact Persons Details

Dr. (Mrs) Prabina Rajib
Professor, Vinod Gupta School of Management (VGSoM),
Presiding Officer (ICC)
email: prabina@vgsom.iitkgp.ernet.in
Phone: 03222 - 282886 (Off); 03222-283483 (Res.)

Prof. Jyotsna Dutta Majumdar
Professor, Department of Metallurgical and Materials Engineering,
Member (ICC),
email: jyotsna@metal.iitkgp.ernet.in
Phone: 03222-283288

For more details:
Please visit "Internal Complaints Committee" link given in

http://www.iitkgp.ac.in

Scholarships

- Close to 1000 students at IITKGP receive financial assistance from various corporations, foundations and external agencies
- More than 1000 students receive Scholarships on Merit-cum-Means
- 100s of Endowment Prizes and Free Tuition-ship offered by the Institute
- Alumni Funded Scholarships

Special Grants

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

Banking Assistance

- At IITKGP education loans can be availed from nationalised banks in the campus
- Students will not have to depend on your parents or on scholarships for study

Further information on scholarships is available in the rules and regulations document visit http://www.iitkgp.ac.in/files/stu_ad.pdf

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.

International Travel Assistance

IITKGP facilitated and financed students to participate in international competitions such as Hult Prize, GRIFTECH, Formula SAE, Intelligent Ground Vehicle Competition, FIRA World Cup.

Under the final year students funded program 'My Imprint' students have been supported on various occasions of international travel assistance.

International Travel assistance has been formalized under the Shri Gopal Rajgarahia (SGR) Student International Travel Programme for research and volunteer projects, international competitions and conferences, international internships and co-op placements.

Enterprise Resource Planning (ERP) System

IIT Kharagpur has started implementing its' own web based ERP system which helps in automating administrative processes and services at the Institute and digitizing institute records. It is developed in-house using open source technologies like Java, Postgresql, Spring Framework etc.

ERP Support > **Academic Performance** > **Grading Evaluation & Grade Card**

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 details please visit   http://www.aerialroboticskgp.org/

Kharagpur Robosoccer Students' Group (KRSSG)

RoboCup 2018, Canada - 3D Simulation League

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 Department 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 work on 3D simulation, autonomous wheeled robots and humanoid robots. We bagged 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 details please visit   http://krssg.in/

Autonomous Ground Vehicle (AGV) Multi-disciplinary Research Group

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 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)

For details please visit   http://agv-iit-kgp.github.io/

TeamKART

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 details please visit   https://en.wikipedia.org/wiki/Team_KART

Mani Bhaumik (PhD/PH/58), Innovator (Key Inventor in the field of Excimer Laser)

Lord Sushanta Kumar Bhattacharyya (BTech/ME/60) Academician (Founding Chairman of Warwick Manufacturing Group, Padma Bhushan Awardee)

Ajit Singh (BTech/CE/62) Public Servant (Former Cabinet Minister, Member of Parliament)

Srikumar Banerjee (BTech/MT/67) Govt. Administrator, Scientist (Former Chairman of Atomic Energy Commission of India, Former Secretary of Department of Atomic Energy, Former Director of Bhabha Atomic Research Centre)

R. Gopalakrishnan (BTech/EC/67) Corporate Leader (Former Executive Director of Tata Sons Ltd.)

D. Subbarao (BSc/PH/69) IAS, Govt. Administrator, Economist (22nd Governor of Reserve Bank of India)

Arjun Malhotra (BTech/EC/70) Entrepreneur (Co-Founder, HCL)

Ajit Jain (BTech/ME/72) Corporate Leader (President, Berkshire Hathaway Insurance)

Arun Sarin (BTech/MT/75) Corporate Leader (Former Chief Executive Officer, Vodafone)

S. Christopher (MTech/EC/80) Govt Administrator, Scientist (Chairman of the Defence Research and Development Organisation)

Pradeep Khosla (BTech/EE/80) Academia (Chancellor, University of California, San Diego)

Kalyanmoy Deb (BTech/ME/85) - Academia (Chair Professor, Department of Electrical and Computing Engineering, Michigan State University, SS Bhatnagar Awardee, Highly Cited Researchers)

Bedabrata Pain (BTech/EC/86) Innovator (Holds 87 Patents, Member of team inventing CMOS Image Sensor, Recipient of National Film Award, India)

Arvind Kejriwal (BTech/ME/89) Public Servant (Chief Minister of the state Delhi, Ramon Magsaysay Awardee)

Harish Hande (BTech/EE/90) - Social Entrepreneur (Co-Founder SELCO India, Ramon Magsaysay Award)

Parag Havaldar (BTech/CS/91) Innovator (Technical Oscar Awardee)

Sundar Pichai (BTech/MT/93) Corporate Leader (CEO, Google)

Anu Acharya (MSc/PH/95) Entrepreneur (CEO, Ocimum Bio Solutions)

Aneesh Reddy (BTech/ME/06) Entrepreneur (Co-Founder and CEO of Capillary Technologies, Featured in Forbes, Harvard Business Review)

Himanshu Gupta (BTech/EE/09) Entrepreneur (Co-Founder, Sustainable Growth Initiative, Featured in Forbes Indian 30 under 30)

Shrey Goyal (BTech/MI/2011) Entrepreneur (Co-Founder, Sustainable Growth Initiative, Featured in Forbes Indian 30 under 30)

Nandini Bhandaru (PhD/CH/2016, MTech/CH/2012) - Scientist (Recipient of Young Scientist Award from Indian Science Congress Association, European Materials Research Society's Young Scientist Award, Young Scientist Award from the Materials Research Society of India, and the Gandhian Innovation Award)

For information about recent inductees, please visit

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.

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 Representatives	
Santosh T.Y.S.S., UG Representative to the Senate	7407390009
Ninaad Lohakare, Vice-President, TSG	7558513736

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 Ocean, Rivers, Atmosphere and Land Sciences (CORALS)	82207

Office, Centre for Railway Research	82400
Office, Centre for Theoretical Studies	81645
Office, Chemical Engineering	82249
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, Kalpana Chawla Space Technology Cell	82298
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
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

Halls of Residence	📞
Ashutosh Mukherjee Hall	81138
Azad Hall	81110
B C Roy Hall	00000
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
Zakir Hussain Hall	81170

Please visit   www.iitkgp.ac.in   → Communication Directory

or   http://www.iitkgp.ac.in/files/comdir.pdf

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- 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.
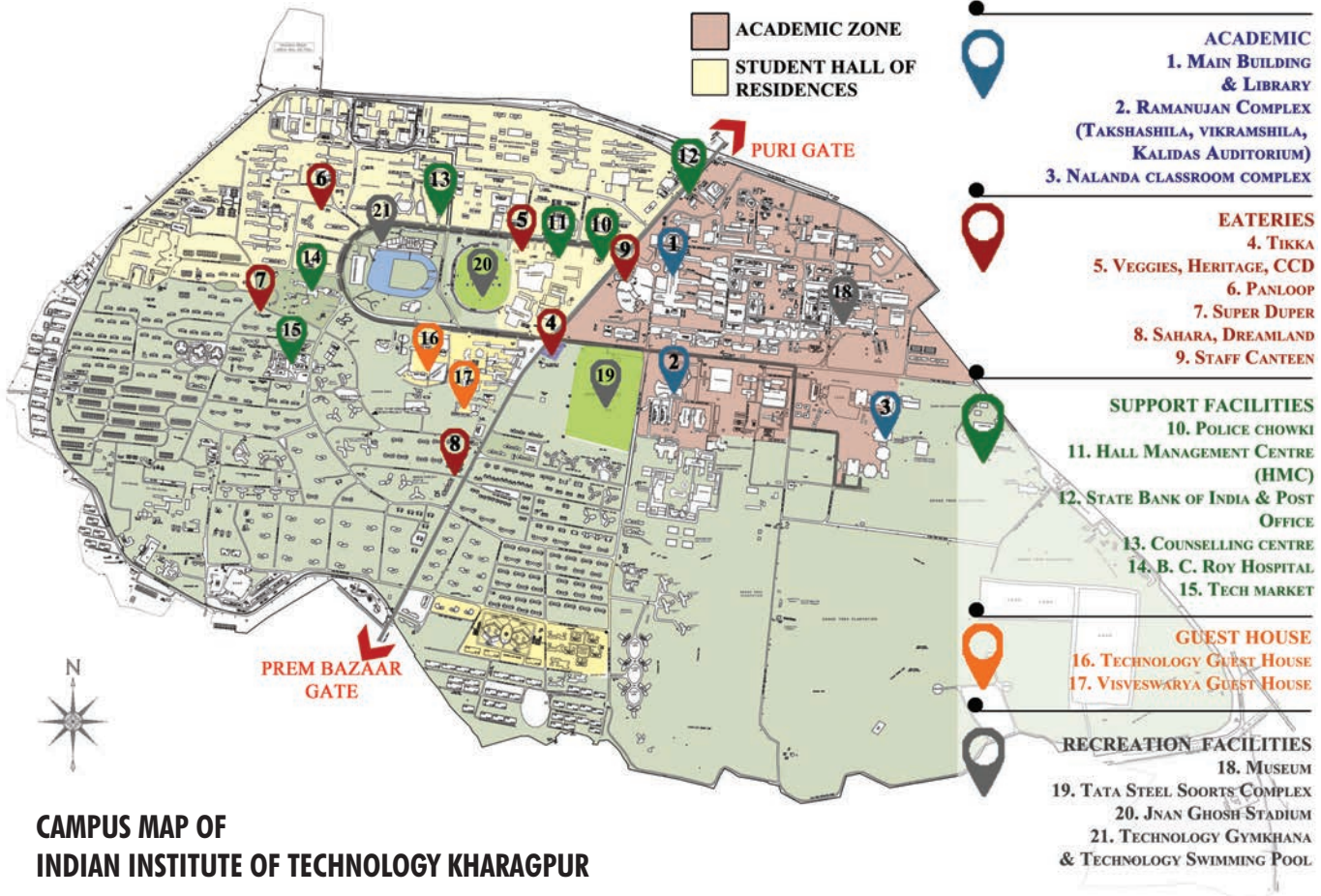
ACADEMIC ZONE

STUDENT HALL OF RESIDENCES

PURI GATE

PREM BAZAAR GATE

ACADEMIC
1. MAIN BUILDING & LIBRARY
2. RAMANUJAN COMPLEX (TAKSHASHILA, VIKRAMSHILA, KALIDAS AUDITORIUM)
3. NALANDA CLASSROOM COMPLEX

EATERIES
4. TIKKA
5. VEGGIES, HERITAGE, CCD
6. PANLOOP
7. SUPER DUPER
8. SAHARA, DREAMLAND
9. STAFF CANTEEN

SUPPORT FACILITIES
10. POLICE CHOWKI
11. HALL MANAGEMENT CENTRE (HMC)
12. STATE BANK OF INDIA & POST OFFICE
13. COUNSELLING CENTRE
14. B. C. ROY HOSPITAL
15. TECH MARKET

GUEST HOUSE
16. TECHNOLOGY GUEST HOUSE
17. VISVESWARYA GUEST HOUSE

RECREATION FACILITIES
18. MUSEUM
19. TATA STEEL SOORTS COMPLEX
20. JNAN GHOSH STADIUM
21. TECHNOLOGY GYMKHANA & TECHNOLOGY SWIMMING POOL

CAMPUS MAP OF INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR