Institute of Technology

University of Kashmir

Zakura Campus

Dept. of Electronics and Communication Engineering.

Brochure

Information and Placements

2024-25

UNIVERSITY OF KASHMIR, ZAKURA CAMPUS
Srinagar, Jammu and Kashmir, 190006

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Message from the Hon'ble Vice Chancellor, University of Kashmir
Prof. Nilofer Khan

On behalf of the University of Kashmir, Hazratbal, Srinagar (J&K), I am delighted to introduce you to this premier technical institute of national importance. Established in year 1948, the University of Kashmir has been a cornerstone of education and innovation for 76 years. Boasting a legacy steeped in tradition, our institution has consistently produced graduates who not only excel academically but also bring a unique blend of cultural diversity and resilience to the professional landscape. The tranquil ambience of the Campus provides the right kind of atmosphere for serious study and research. Over the years, the University has marched towards excellence in its programs and activities. It has been re-accredited as Grade-A+ University by the National Assessment & Accreditation Council (NAAC) of India. This is recognition and reflection of the high standard of quality in teaching and research at the University of Kashmir. We assure our esteemed recruiters of our unwavering support, ensuring a seamless and efficient recruitment process. Our institute is confident that our students possess the necessary skills and knowledge to overcome the challenges of the ever-evolving technical world.. We invite recruiters to visit our campus and witness the talent and potential of our students. I thank all the recruiters for considering Institute of Technology University of Kashmir (Zakura Campus) as your recruitment destination. Lastly, I wish our students the very best for their future endeavors.

Prof. Nilofer Khan
Hon'ble Vice Chancellor,
University of Kashmir

MESSAGE FROM
THE DEAN SCHOOL OF ENGINEERING
Prof. S. Muzaffar Ali Andrabi

Institute of Technology, Zakura Campus is a constituent Institute of University of Kashmir, a NAAC accredited A+ University. Established in the year 2014 with the approval of University Council and the Govt. of J&K, Institute of Technology achieved prominence among the technical institutions of the UT of J&K in a short duration of less than a decade. The institute offers B.Tech. Programme in all the major engineering branches viz. Electronics and Communication, Electrical, Mechanical and Civil Engineering, and MTech. in Electronics and Communication, Power System and Control (Electrical Engineering) and Design Engineering (Mechanical Engineering). All the courses offered at the Institute are AICTE approved. With a vision to produce high quality engineering professionals, the institute is constantly striving to achieve its goal of high-quality technical education by self-assessment, accountability and innovative and modern methods of pedagogy. The content and quality of the syllabus/curriculum is constantly evaluated and revised to maintain its technical relevance in tune with the requirements of the industry and society and in accordance with the internationally accepted standards.

Prof. (Dr). S. Muzaffar Ali Andrabi
Dean School of Engineering
Institute of Technology, University of Kashmir, Zakura Campus

MESSAGE FROM THE DIRECTOR ,IOT

Prof. M. Tariq Banday

Established in 2014, the Institute of Technology (IoT) is the University of Kashmir's prestigious constituent engineering college. Accredited by the All India Council for Technical Education (AICTE), IoT offers a rigorous and recognized academic experience. IoT provides a stimulating academic environment for undergraduate students seeking a Bachelor of Technology (B.Tech.) degree in core engineering disciplines: Civil, Electrical, Electronics & Communication and Mechanical Engineering. Admission to these programs is highly competitive, based solely on the Joint Entrance Examination (JEE) percentile. At IoT, we believe in fostering well-rounded individuals who excel academically and in their personal and professional lives. Our dedicated faculty members provide personalized guidance and mentorship, helping students develop their full potential. Our curriculum goes beyond imparting solid technical knowledge. It cultivates critical thinking, problem-solving skills and ethical values.

Prof. M. Tariq Banday
Director
Institute of Technology, University of Kashmir, Zakura Campus

MESSAGE FROM THE COORDINATOR ECE

Er. Rouf Ul Alam Bhat

In an era defined by personal digitization, rapid communication technologies, agile automated systems, and unprecedented innovations, humanity faces new challenges such as digital privacy, resource management, urbanization, climate change, and overall safety. Addressing these issues requires collective societal effort. Technology is pivotal in transforming traditional methods into new, engaging, and efficient solutions tailored to individual needs. At Institute of Technology, our department is dedicated to developing engineers who, with sincerity, resilience, and a humane approach, can contribute both professionally and personally to the well-being of humanity, benefiting themselves, their families, the corporate world, and society at large.

Er. Rouf Ul Alam Bhat
(Coordinator DoECE)

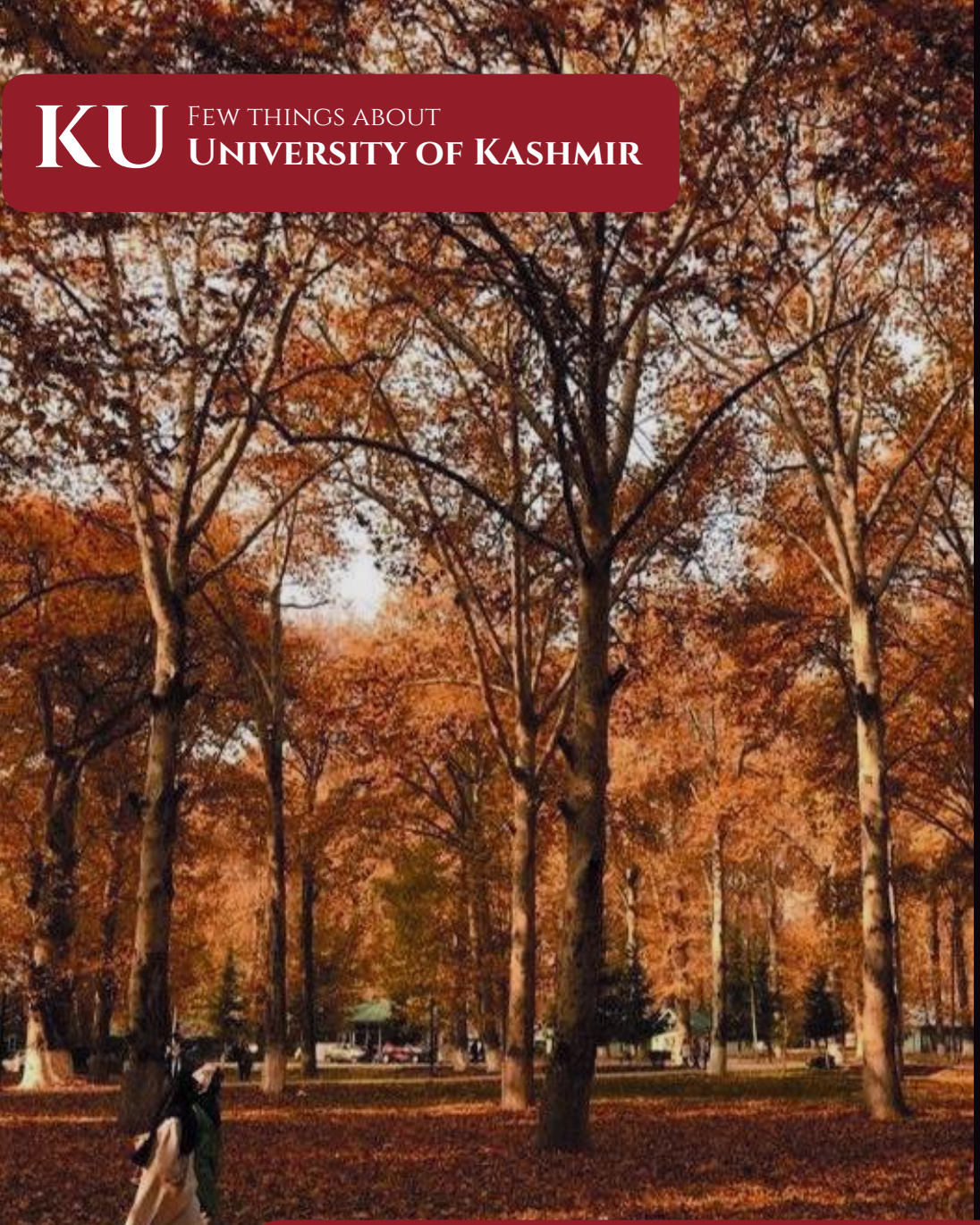
MESSAGE FROM THE T&P COORDINATOR

Dr. Bilal A. Malik

The Electronics and Communication Department is dedicated to nurturing the next generation of engineers and innovators. Our comprehensive curriculum combines theoretical knowledge with practical experience, ensuring students are well-equipped to tackle real-world challenges. With state-of-the-art laboratories, experienced faculty, and strong industry connections, we provide numerous opportunities for internships, workshops, and placement drives. Our commitment to your professional development ensures that you are not just prepared for the job market, but are ready to excel in your chosen career path.

Dr. Bilal Ahmad Malik
(T&P Coordinator DoECE)

KU Few things about University of Kashmir



NAAC ACCREDITED

A+

QS BRICS (INDIA) RANK

56TH

NIRF RANKING (TOP SPU)

14TH

69th Rank
in NIRF (Overall) (2024)

45th Rank
in NIRF (Universities) (2024)

14th Rank
out of 50 State Public Universities NIRF (2024)

551-600th Rank
QS (Asia) (2024)

166th Rank
In QS World University Rankings in (Southern Asia) (2024)

The University of Kashmir (UoK), informally known as Kashmir University (KU), is a collegiate public state university located in the Hazratbal neighbourhood, on the western side of Dal Lake in the city of Srinagar, in Jammu and Kashmir, India, which was established in 1948.

About IOT Zakura Campus

About IOT Zakura Campus

Institute of Technology (IOT) at Zakura Campus, Srinagar is a constituent engineering institution of the University of Kashmir. It was established in the year 2014 with the approval of All India Council of Technical Education (AICTE). At the bachelor's level, the institute offers programs in Civil, Electrical, Electronics and Communication and Mechanical engineering. It also offers MTech in Electrical, Electronics and Communication and Mechanical engineering. Institute of Technology is a place of innovation, skill, creativity and transformation. IOT is driven by a purpose, to make the world better through education, research and innovation. We are innovative, inventive and creative, elite but not elitist and ready to welcome and work with skillful people without any discrimination. Institute of Technology marshals some of the world's brightest minds and most innovative tools to address fundamental scientific questions and pressing societal challenges. A diverse and inclusive campus creates an environment where the lives are enriched by the different experiences and perspectives of colleagues, preconceptions are challenged, research is broadened, and ideas are refined through the expansive exchange of ideas.

IOT has a plethora of distinguished alumni who have achieved success and contributed in industries that include academics, research, politics, government, entrepreneurship and business. The cumulative accomplishments of its highly talented and widespread alumni are in a large measure responsible for the ever-growing tradition and reputation of IOT as one of the best engineering and research institutions of the country.

About ECE Department

Department of Electronics and Communication Engineering was started at Main Campus, University of Kashmir, in the year 2010 and was later shifted to Institute of Technology, Zakura Campus in the year 2014 as part of a Full-Fledged Engineering College. The Department has state of art teaching and lab. facilities and is at par with the leading engineering institutes of the UT. The Department has produced nine (9) B.Tech. Batches till now and the alumni's are working in leading industrial and educational institutes.

The Department of ECE, IoT, KU, was awarded the 'Advanced Communications 5G Research Lab' Setup Award, by D.O.T., Govt. of India. The lab funding is to the tune of Rs. 1 Crore. The Department of Telecommunications (DoT) of the Government of India is setting up 100 5G labs across the country. The labs will be located in premier higher educational institutions and will test 5G applications in sectors like education, agriculture, and health. The labs will be a proving ground for technology providers to test their solutions for interoperability with third-party integrations and pre-validate them against current 3GPP standards. This will help speed up the innovation cycle and reduce time-to-market.

The Department of ECE, IoT, is in the process of setting up an 'Advanced AI & ML Center'. The lab will have High Performance Computing (HPC) Workstations for AI applications, and also robotics equipment. The proposed funding is to the tune of Rs. 2.0 Crores. Funding will be done under MERU for RUSA 3.0.

INSTITUTE VISION

The Institution envisions to be a leading centre in the world promoting a scientific environment based on cutting edge technology where young minds are not only motivated to become the leaders of knowledge but are also trained to withstand challenges of the present times.

INSTITUTE MISSION

M1. To create a strong and transformative technical educational environment in which fresh ideas, moral principles, research and excellence nurture with international standards.

M2. To prepare technically educated and broadly talented engineers, future innovators and entrepreneurs, graduates with understanding of the needs and problems of the industry, the society, the state and the nation.

M3. To inculcate the highest degree of confidence, professionalism, academic excellence and engineering ethics in budding engineers.

Late Dr. G. M. Bhat
Professor,
Founder Head of the Department of ECE.

"He was a visionary man who inspired countless students with his wisdom and dedication. His legacy will forever shape our lives and guide our path forward. May he rest in peace."

MAESTERS OF INTELLECT

MAESTERS OF INTELLECT

Dr. Bilal Ahmad Malik
Sr. Scientific Officer

PhD - from Sheffield University, UK
Specialization - Machine Learning & Artificial Intelligence, Process control instrumentation, health informatics
Publications : 35
Patents :
Granted : 1
Published : 3
PhD awarded - 3

Er. Rouf ul Alam Bhat
Sr. assistant professor

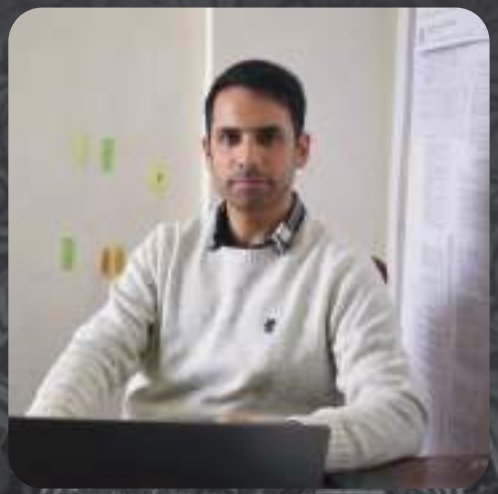
PhD - Drones Technology (pursuing)
M. Tech. - Communications and I.T.
Specialization - Sensor Networks, Robotics, Embedded Systems and Image Processing, Drones.
Research papers : 7
Patents :
Granted : 7
Published : 15
Filed : 20

Dr. Abdul Mueed Hafiz
Sr. assistant professor

PhD - AI&ML
M. Tech. - Communication & Information Technology.
Specialization - Computer Vision, Pattern Recognition, Reinforcement Learning, Artificial Intelligence
Publications - 25
Patents :
Granted : 3
Published : 4

Faculty

Er. Samia Ishaq
Position: Assistant Professor
Qualification: M.Tech
Specialization: Communication & IT



Dr. Omar Farooq
Position: Assistant Professor
Qualification: Ph.D
Specialization: Machine Learning, Internet of Things, Data Science

Dr. Mohammad Ayoub Sofi
Position: Assistant Professor
Qualification: Ph.D
Specialization: Reconfigurable Intelligent Surfaces, Polarimetric Surfaces, Frequency Selective Surfaces

Dr. Bisma Bukhari
Position: Assistant Professor
Qualification: Ph.D
Specialization: Microstrip Antenna Design, Mobile Communication

Dr. Shazia Ashraf
Position: Assistant Professor
Qualification: Ph.D
Specialization: Antenna Design.

Faculty

Dr. Bazila Hashia
Position: Assistant Professor
Qualification: Ph.D
Specialization: Image Processing, Bio-Medical Image Processing, pattern recognition.

Dr. Ifrah Amin
Assistant Professor
Qualification: Ph.D.
Specialization: Optical Communication Systems, Optoelectronic Devices

Er. Madiha Zahoor
Position: Assistant Professor
Specialization: Android programming

Er. Umhara Rasool
Position: Assistant Professor
Qualification: M.Tech
Specialization: Antennas for Biomedical Applications

Er. Haroon Yousuf
Position: Assistant Professor
Qualification: M.Tech
Specialization: Signal Processing

TRIALS OF TECHNOLOGY
LAB AT IOT ZAKURA

GSM Trainer.

Diverse Antenna Kit.

Wireless Communication Set

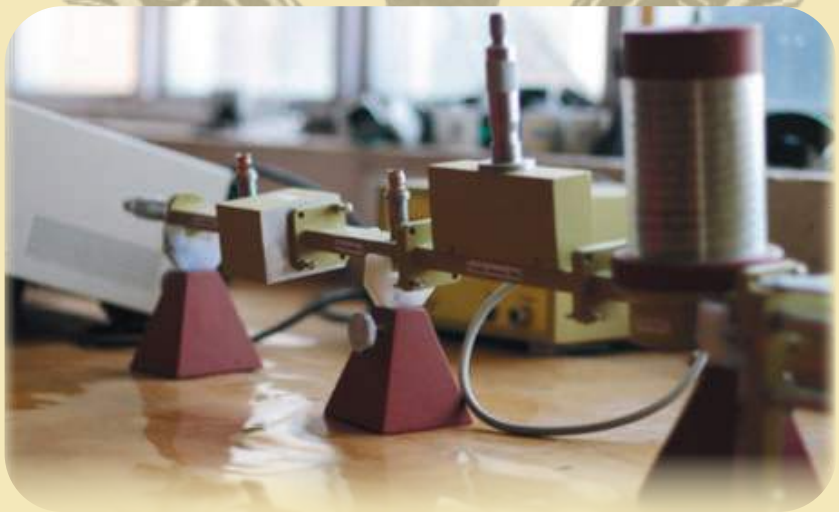
Communication Workspace.

Optical Fibre Kit .

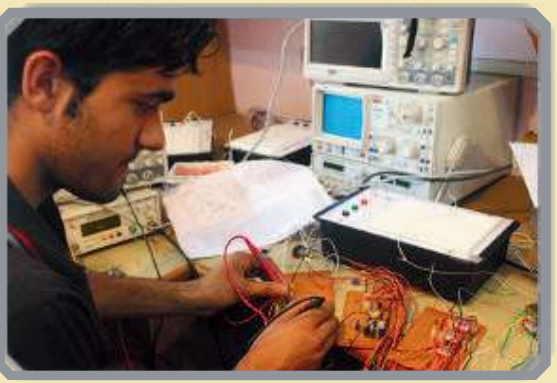
Advanced Signal Processors and Generators with LCD panels.

Telecom modulator/receiver kit

Diverse kinds of antenna kits, GSM, analog and digital domain trainers are all part of the setup.



Antenna mast, It's part of the communication laboratory.



Synthesizing prototypes and PCBs in the lab.

Programming a 8085 kit.

Testing for flaws.

A stand alone real time IC projector.

PLC Trainer.

PCB Fabrication Unit.

Electronics Workspace.

Quantum Nexus: The 5G lab

It's daily routine for students to be working on servers, switches & routers.

Interacting with sixth sense technology. The device is totally controlled by a mere gesture.

The Digital Forge

Byte Haven

The Algorithm Alcove

The Silicon Studio

The Quantum Quarters

Pixel Parlor

The Data Domain

The Code Cavern: Computer Labs

Analog Electronics lab

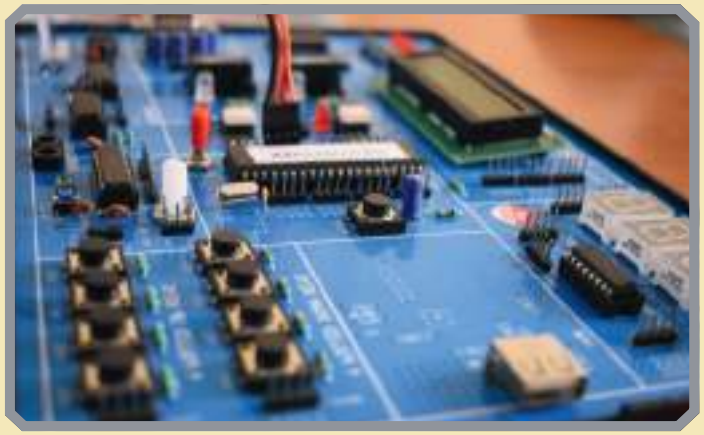
Control System Lab

Digital System Design Lab

The Collective Alliance of Various Labs

Power Electronics Lab

Microprocessor and Embedded Systems Lab



All The Working Laboratories Of Department of ECE

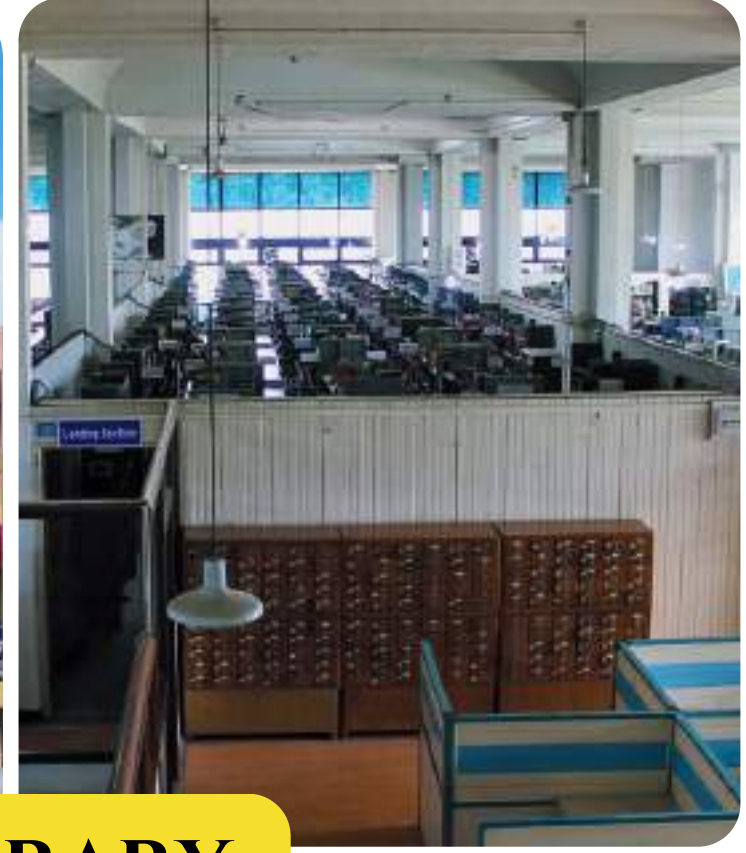
- Device Characterization Lab
- Basic Electronics Lab
- Digital System Design Lab
- Microprocessor and Embedded Systems Lab
- Communication Systems Lab
- Microwave Lab
- Fiber Optics Lab
- Electric and Electronic Lab
- Instrumentation Lab
- Fabrication Lab
- Control System Lab
- Signals and Systems Lab
- Computation Lab
- Data Communication and Network Lab
- Computer Hardware Lab
- Digital Image Processing Lab
- PCB Design Lab
- Innovation & Incubation Lab
- Power Electronics Lab
- 5G lab

20

Experimentation is the mother of understanding. We experiment to achieve.

STANCHION OF PAPYRUS

Welcome to our Library.
It's where we enlighten ourselves in those long hours of focus and toil.



THE ALLAMA IQBAL LIBRARY

It has six floors of just books and manuscripts. It's Asia's one of the largest and richest libraries. Housing a full museum and an auditorium. It's huge!

Journals	Manucscripts	Rare Books	Thesis & Dissertations	Microfilms	Digitized Books	Microfiche	DVD/CD-ROMs	Daisy - Digital Talking Books	Braille/ Talking Book Collection
56,513 (approx)	432	1,442	5098	215	17500 (approx)	15	545	165	164

Books. Books. Books.

The vintage closets.

The Library of our department was established the same time our department was. The content and the topics covered are endless. Stacks of newly made editions form row after row of wooden cabinets. It's vintage morphing into the The lockers are well kept and the books range from Digital Imaging to Power

A section of the library.

Place to read.

Research Centers

1. Centre For Innovation, Incubation And Entrepreneurship (CIIE):

Established in March 2021, the Centre for Innovation, Incubation and Entrepreneurship (CIIE) is housed within the Institute of Technology at the Zakura Campus of the University of Kashmir. Its mission is to foster innovation, support entrepreneurship, and address entrepreneurial challenges faced by students and youth in the region.

Key Objectives:
- Promote and support innovative projects and ideas among students.
- Provide a platform for project incubation and broader entrepreneurial activities.
- Equip youth with essential skills to become self-sufficient and contribute to national growth.
- Transform ideas into tangible products and services through a comprehensive support system.

Vision:
- To create a leading technology and innovation hub that converts ideas into successful products and businesses, empowering youth to become job creators.
- Scout, sustain, and scale indigenous innovations while facilitating their market transition.
- Offer training and technical support for prototype development, including IPR protection and patent facilitation.
- Facilitate networking opportunities with industry partners and investors.

CIIE is dedicated to nurturing creativity and innovation from the ground up, helping turn promising ideas into impactful solutions.

2. New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC):

The NewGen IEDC is a program initiated by the National Science and Technology Entrepreneurship Development Board (NSTEDB) under the Department of Science & Technology (DST), Government of India. At the University of Kashmir, this initiative aims to foster a culture of innovation and entrepreneurship among science and technology students. The program will support the creation of startups by providing guidance, mentorship, and resources, and will encourage students to undertake innovative projects with commercialization potential.

Key Objectives:
- Promote innovation and entrepreneurial spirit among students.
- Support and mentor startups from inception to growth.
- Develop a strong entrepreneurial culture within the academic institution.
- Transform some students from job-seekers into job-generators.

Vision:
To become the premier hub for sustainable, high-growth, and impactful startups in Kashmir.

Mission:
To establish a comprehensive experiential development ecosystem for Kashmiri entrepreneurs by 2020.

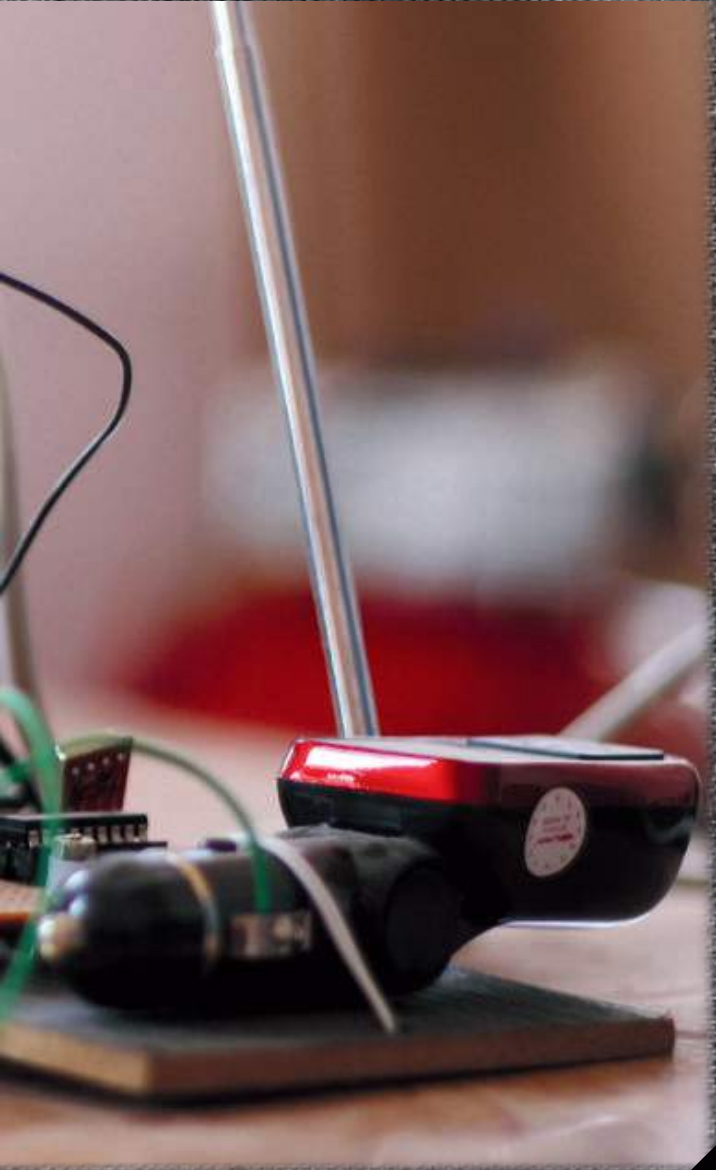
NewGen IEDC Business Innovation and Incubation Centre
University of Kashmir

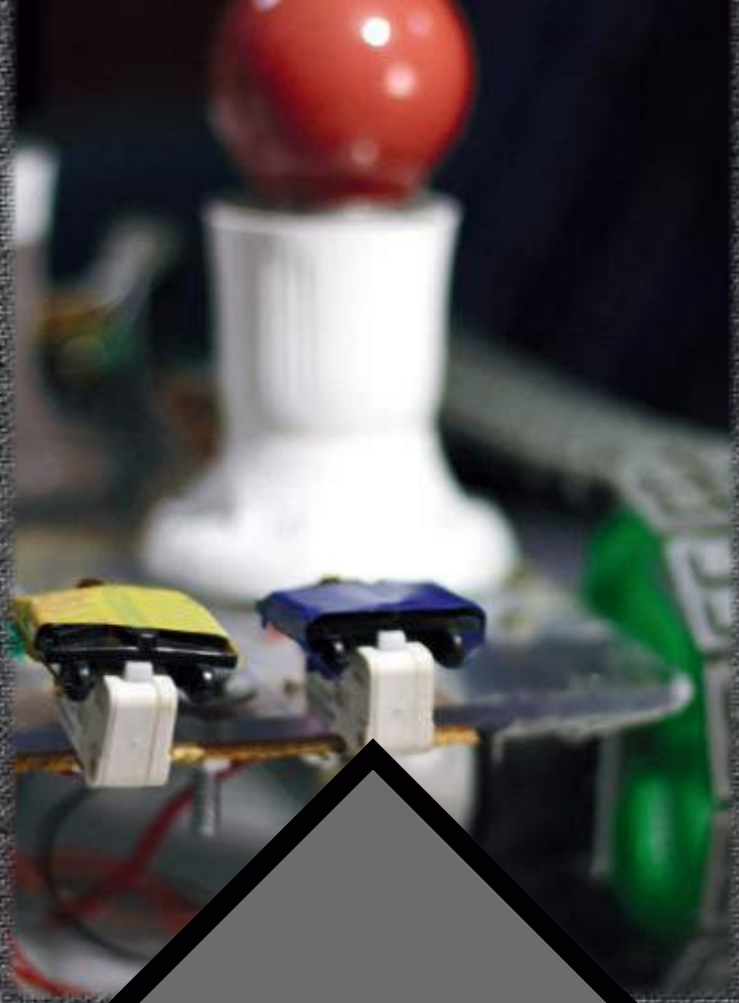
3. Centre for Interdisciplinary Research & Innovations:

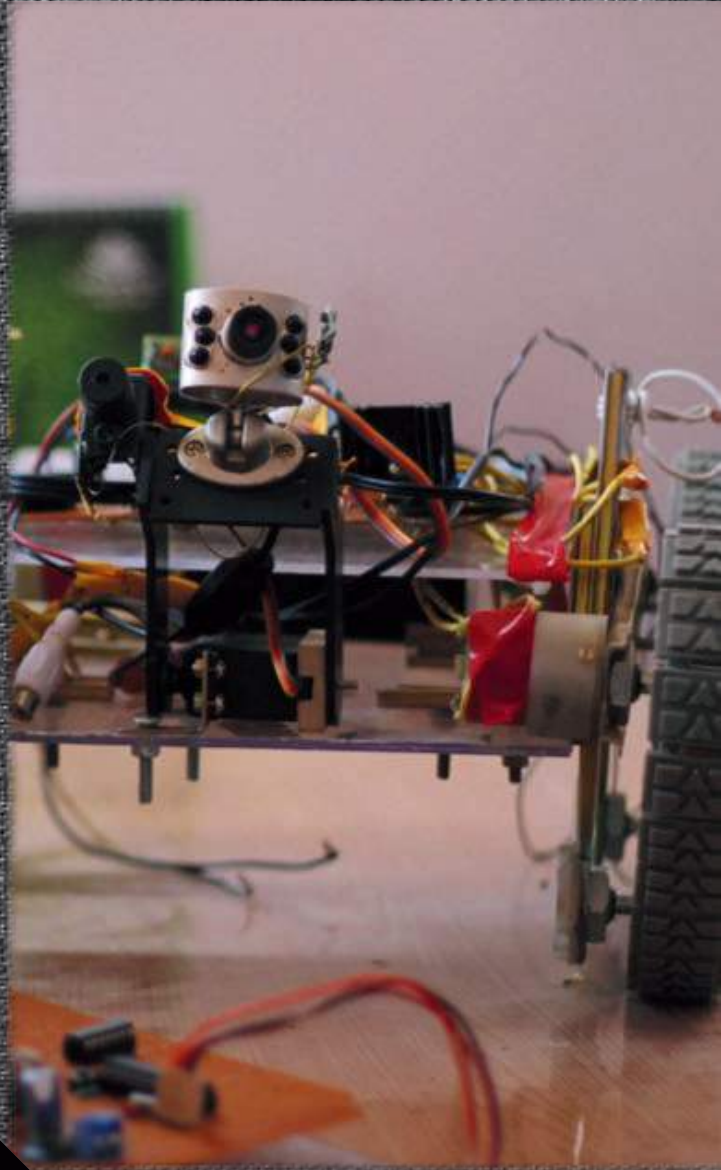
The University of Kashmir has established the Centre for Interdisciplinary Research & Innovations to attract top international scientists through prestigious fellowships, including Ramanujan, Ramalinga Swamy, and Welcome Trust-DBT India Alliance. The Centre aims to foster a research ecosystem focused on interdisciplinary work to address both social and scientific challenges with innovative solutions tailored to local and regional issues.

Key Objectives:
- Bring talented overseas scientists to advance research in various scientific fields.
- Promote cutting-edge interdisciplinary research to solve significant problems.
- Provide essential infrastructure to support diverse scientific research.
- Integrate multiple disciplines within the university to inspire and prepare youth for research careers.
- Develop a skilled human resource pool for advanced research and facilitate "brain circulation" by enabling researchers to gain experience globally before returning home.

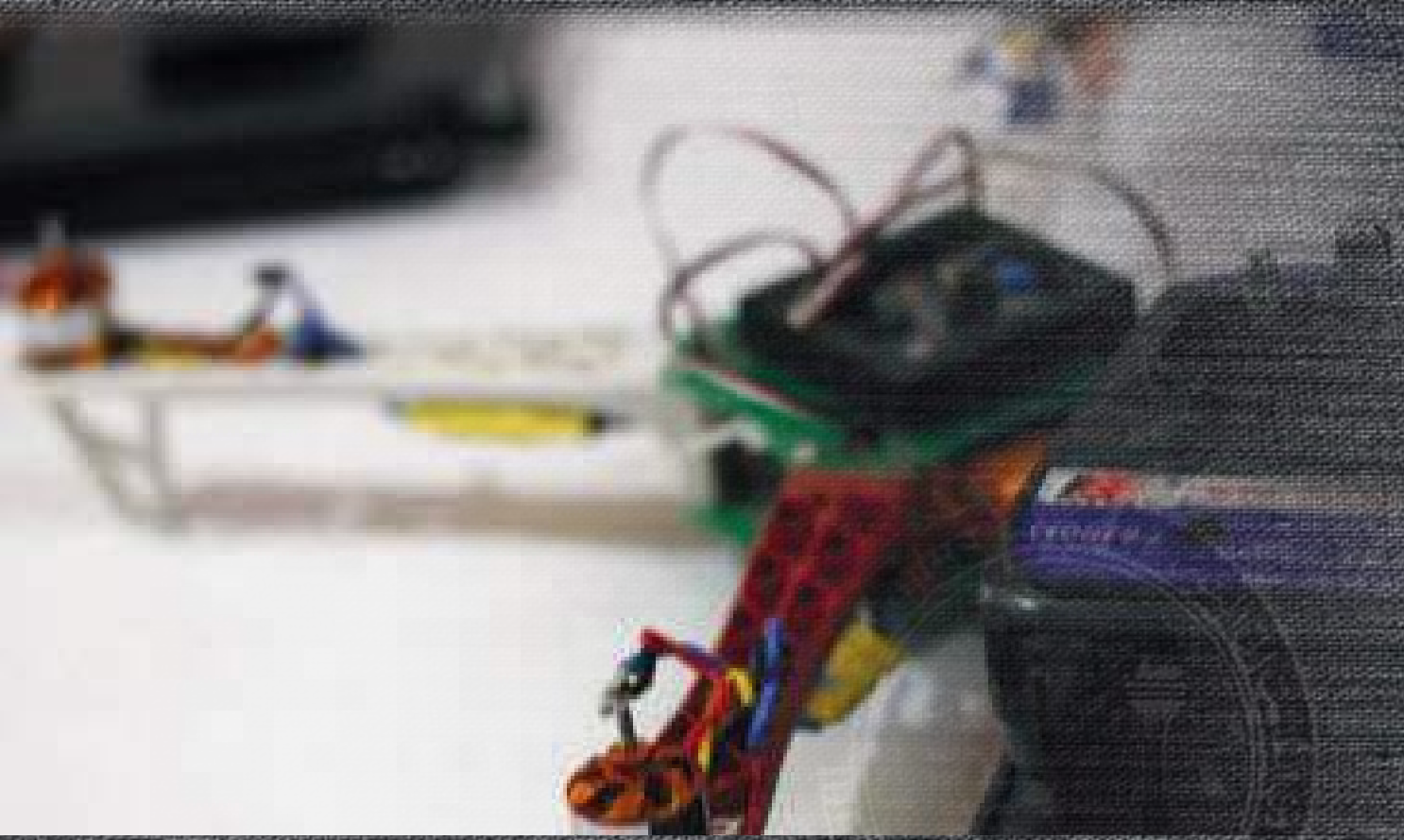
The Centre aspires to be a model for research excellence and inspire future generations to pursue careers in science.







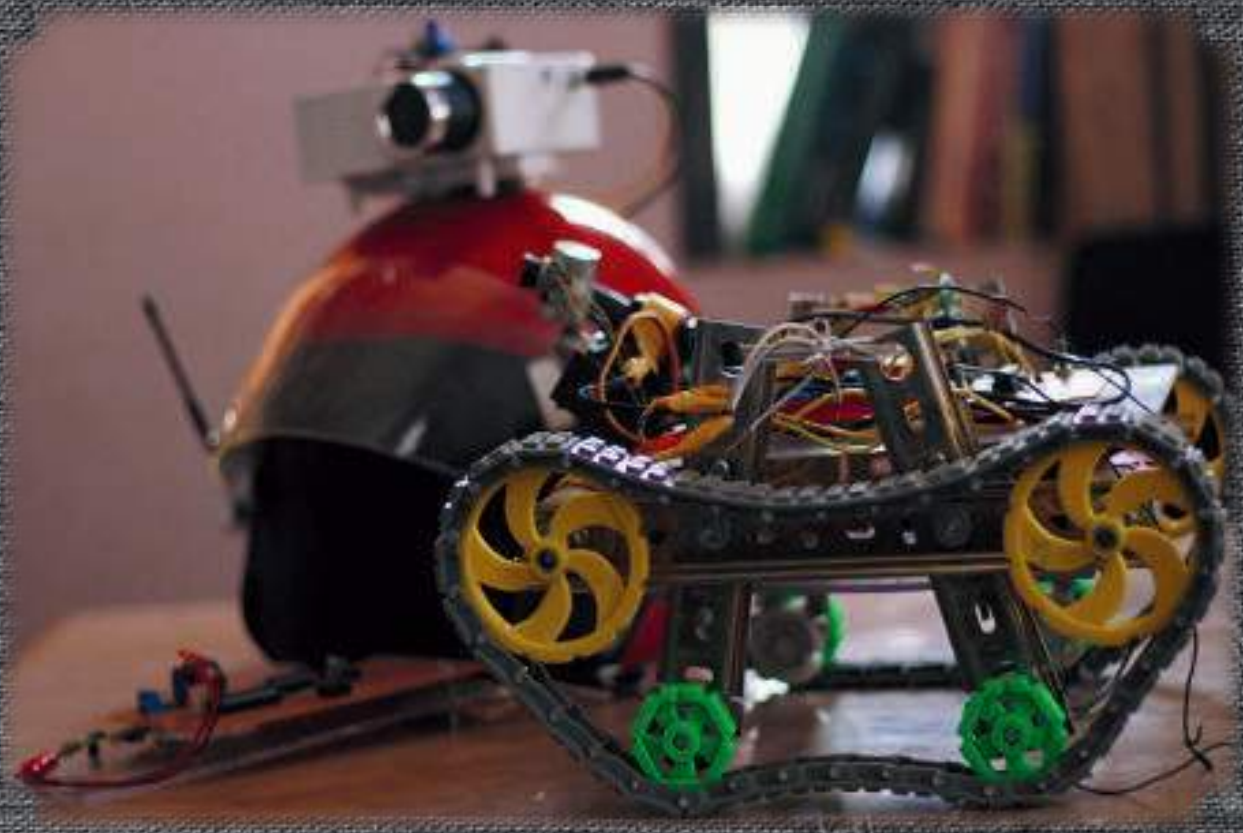
Incubation of Ideas

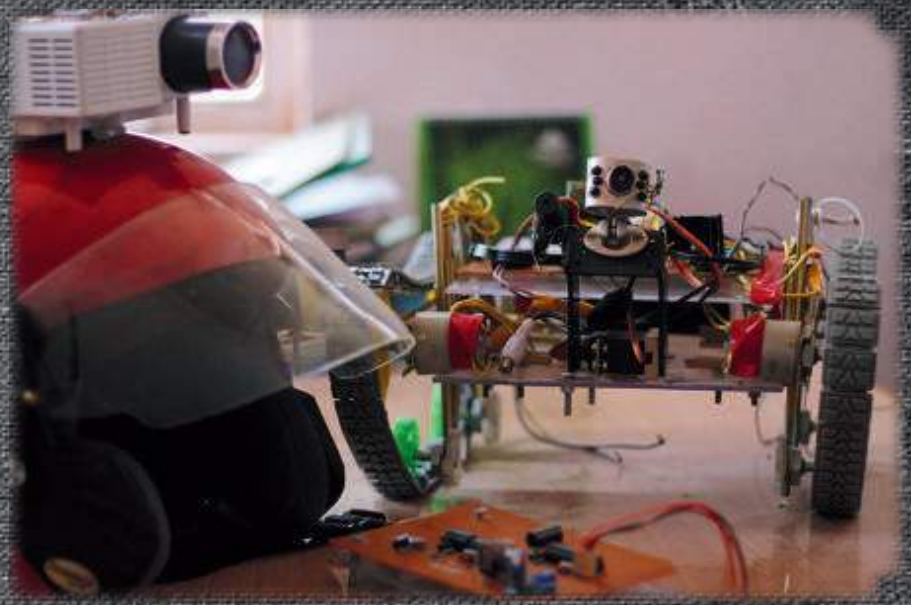


The Azolla Copter

It is indigenously manufactured by students of ECE, IoT with no help from external sources. It is a part of Dal cleaning Azolla based project. It has a small microcomputer attached to it, an Arduino TM chip and a camera module. Camera takes images of the Azolla.

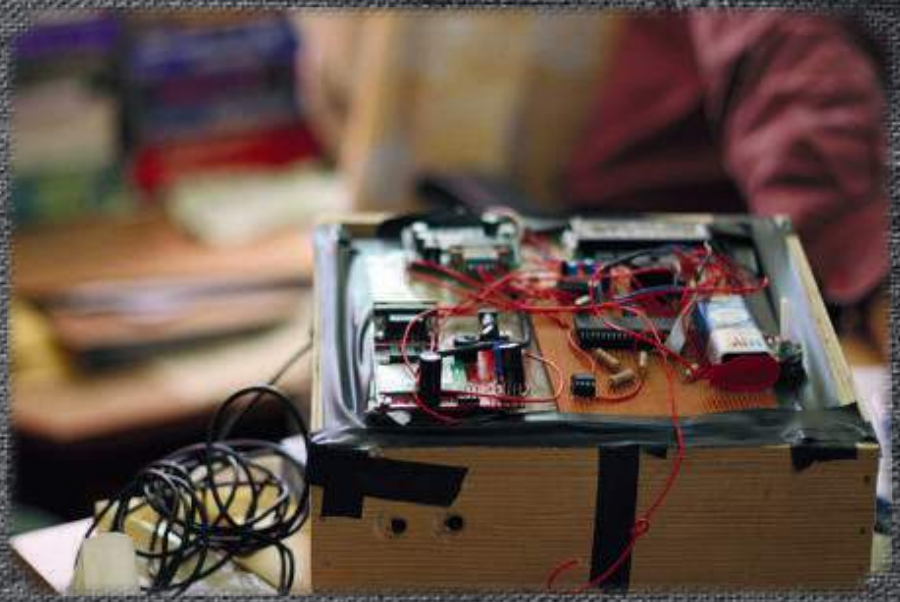
With the help of MATLAB, images are processed and the coordinates of location where Azolla is present is sent to the skimmer machine via a RF link. Skimmer uses a GPS module and goes to exact coordinates for cleaning of Azolla. The Quacopter comes to base once every hour to recharge.





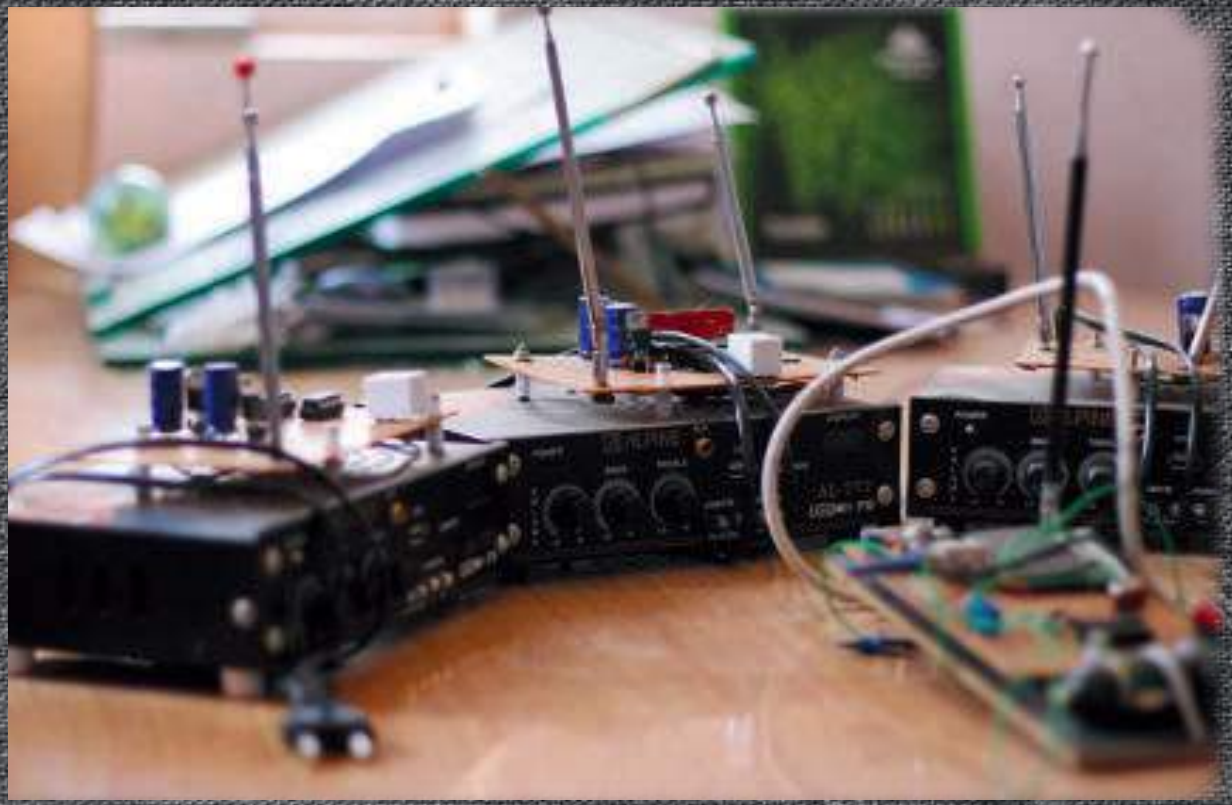
GESTURE CONTROLLED GLOBALLY MANEUVERABLE VIRTUAL REALITY BASED ARMED ALL TERRAIN VEHICLE

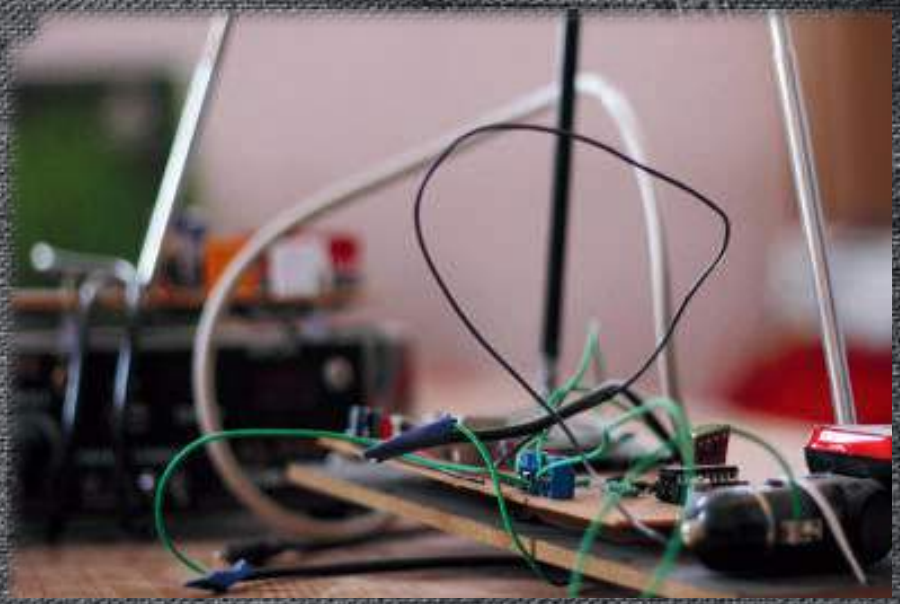
This project involves a tactical vehicle capable of remote operation accessible all throughout the globe. It's first of its kind and is controlled by human gesture.



Design and development of GSM and GPS based vehicle tracking system.

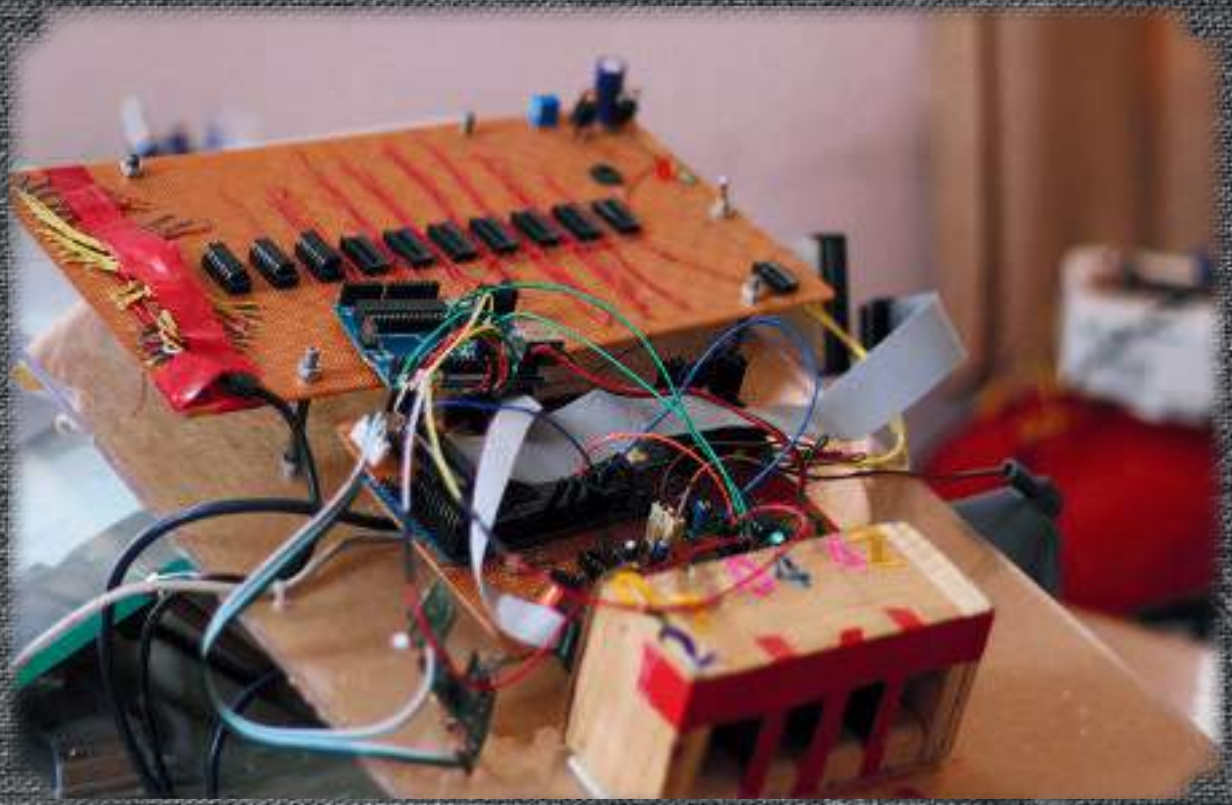
This project involves a tracking and sensing system of vehicles and automobiles over a large range of square displacements. Works on cellular network and regular GPS.

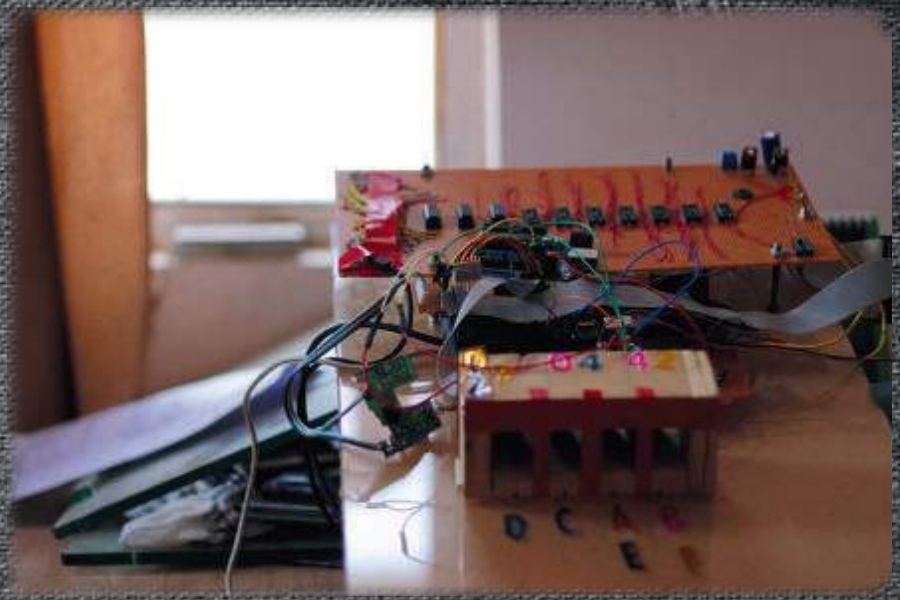




Wireless public addressing system.

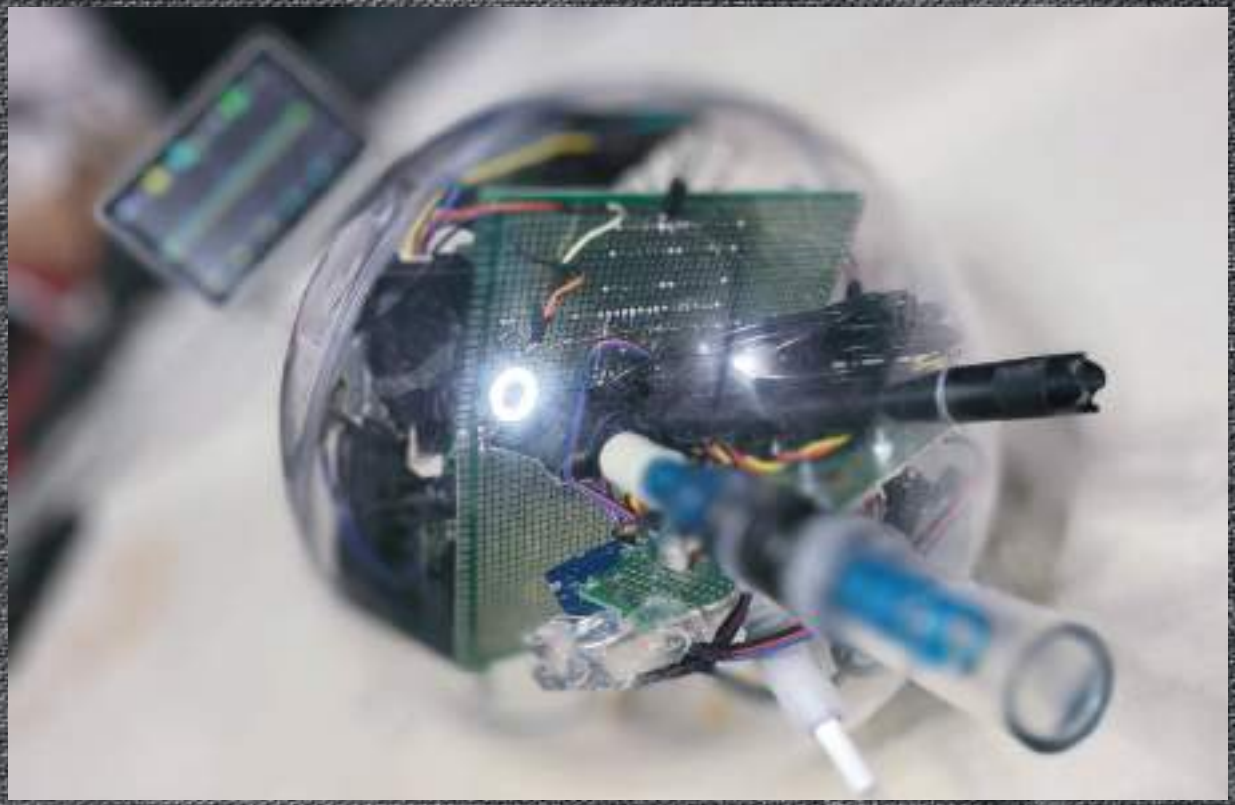
Here we have a public broadcasting system ideal for a campus. It uses radio frequencies to broadcast a internet based news feed which is run on a loop which anyone with a radio can tune into.

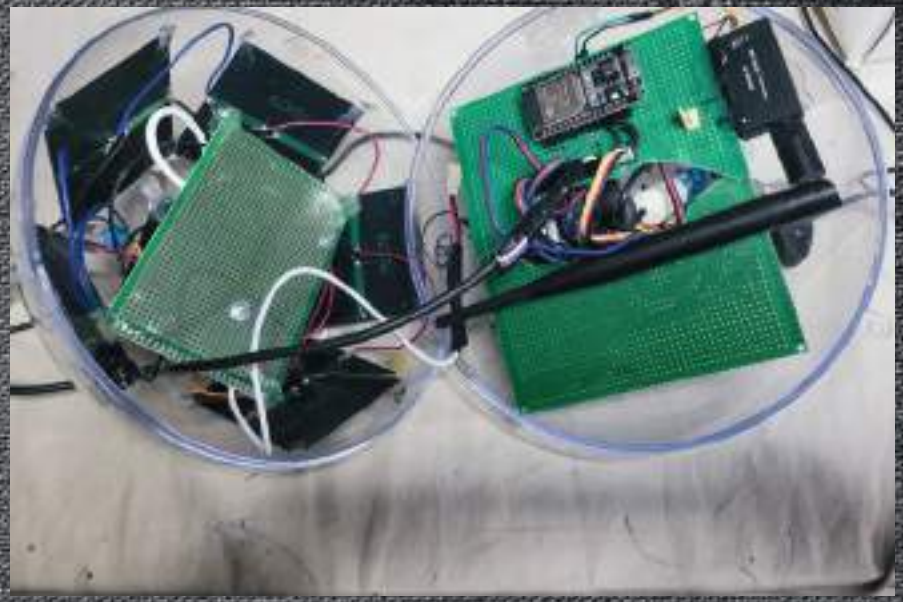




Tactile and pointing interface system using non invasive approaches.

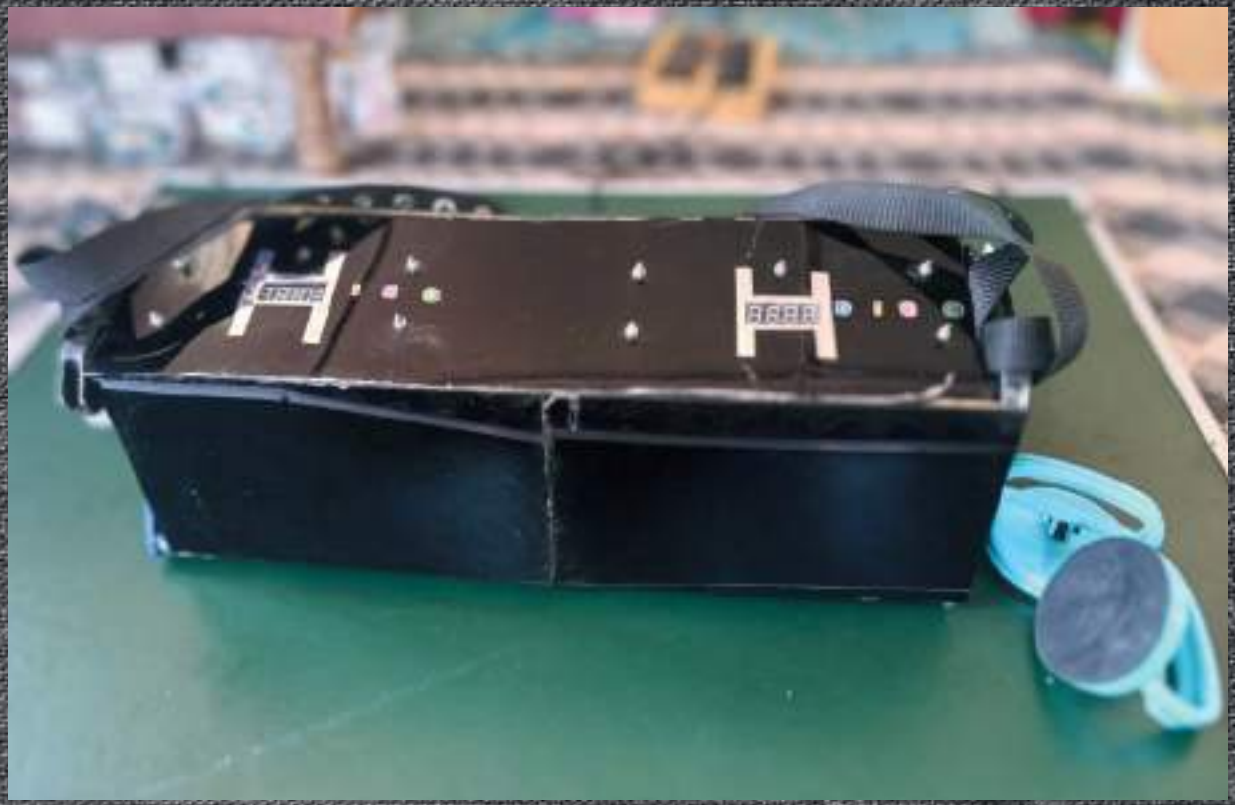
It is a real time device capable of sensing movement changes in its vicinity. It has distance sensors working on LASER technology. Can be used to build a holographic keyboard.





Sensor pod for AI enabled fish pond monitoring and control

Smart pond monitoring system help you to real-time monitor the pond water quality and get update when water becomes unhealthy for fish.



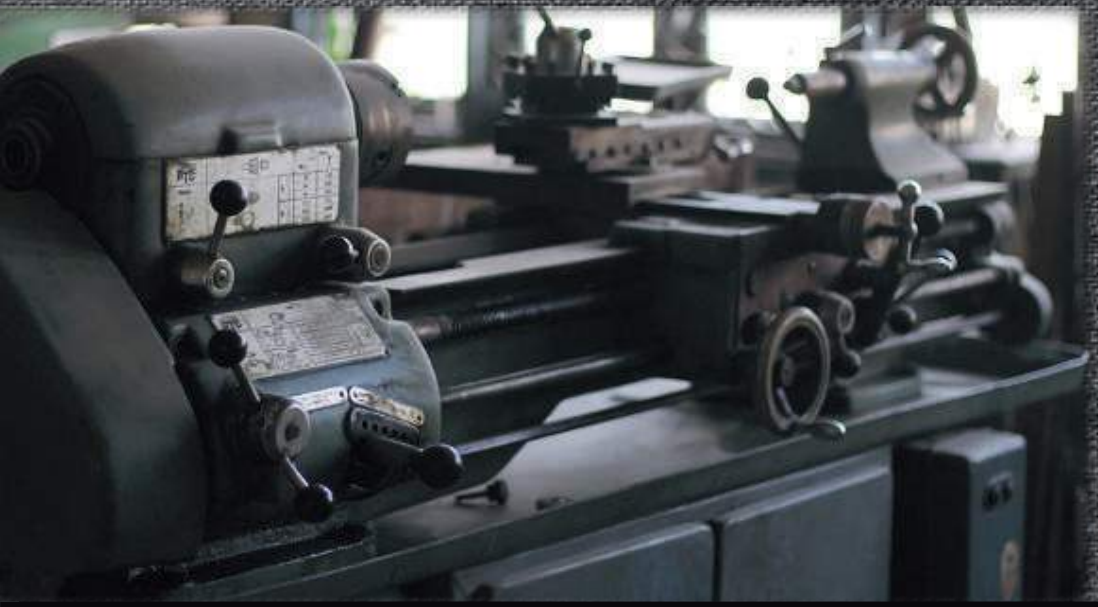
Winter water pipe defreezer using non-invasive induction heating.

The present invention is designed to defreeze frozen water pipe using a non-invasive induction based heating. A heating element and an induction element (along with the ferromagnetic strip) are enabled to heat up and provide suitable temperature to defreeze the frozen water pipe.

Carbon Monoxide detection (CO) Detection and Ventilation System

Through the integration of automated environmental controls and real-time gas detection, this system is designed to meet one of the most important needs in safety and automation. The principal objective of the system is to mitigate the risk of carbon monoxide exposure by means of proactive ventilation control.

Entrepreneurship Workshop Machines available in University of Kashmir.



The innovations aren't confined, they're provided local and national exposure. Our innovation sponsors are:

DSIR - Department of Scientific and Industrial Research.
NIF - National Innovations Foundation.
CIIE - Centre for Innovation, Incubation and Entrepreneurship.
SERB - Scientific Engineering Research Board.
NewGen IEDC - New Generation Innovation and Entrepreneurship Development Centre.
JKEDI - Jammu & Kashmir Entrepreneurship Development Institute.
SKIIE - SKUAST Kashmir Innovation, Incubation and Entrepreneurship Centre.
IIEDC - Innovation, Incubation & Entrepreneur development centre, NIT srinagar.

BACHELOR OF TECHNOLOGY

The B.Tech in Electronics and Communication Engineering (ECE) is a comprehensive undergraduate program designed to equip students with the foundational knowledge and practical skills in the fields of electronics, communication systems, and digital technologies. The program focuses on key areas such as microelectronics, telecommunications, signal processing, embedded systems, and circuit design, preparing graduates for the rapidly evolving tech industry.

Throughout the course, students gain expertise in designing, analyzing, and troubleshooting complex electronic and communication systems. The curriculum is a blend of theoretical learning and hands-on laboratory experience, ensuring a deep understanding of the latest advancements in wireless communications, VLSI (Very-Large-Scale Integration), internet of things (IoT), and optical networks.

At our institution, the B.Tech ECE program is designed to foster innovation, critical thinking, and problem-solving skills, helping students become leaders in the evolving world of technology.

MASTER OF TECHNOLOGY

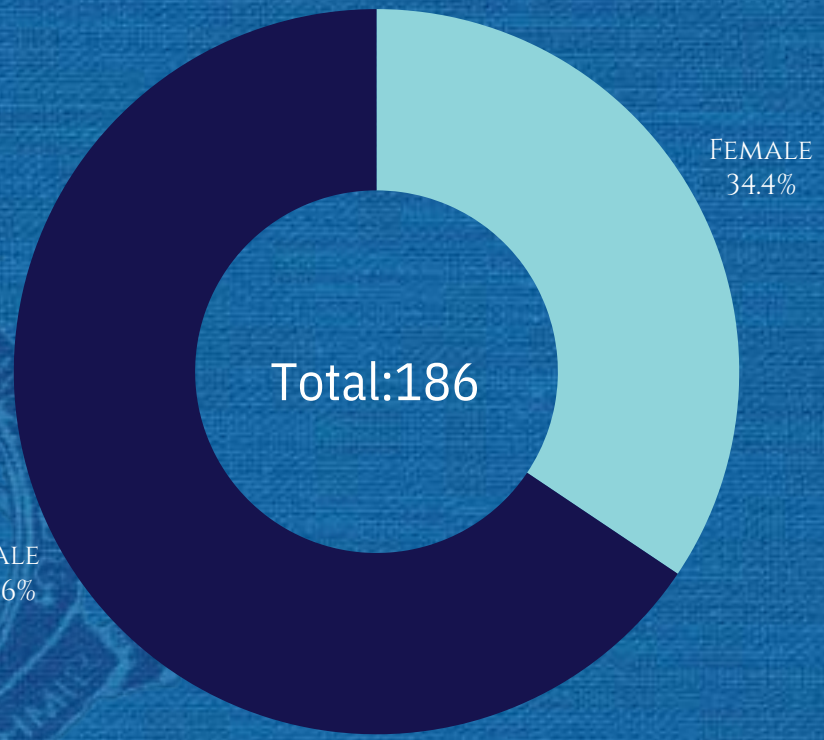
The M.Tech in Electronics and Communication Engineering (ECE) is a specialized postgraduate program aimed at advancing the knowledge and expertise of students in cutting-edge technologies related to electronics, communication systems, and digital signal processing. This program is designed for students who wish to deepen their understanding of advanced topics such as VLSI design, wireless communication, embedded systems, optical networks, and signal processing.

The curriculum combines advanced theoretical coursework with practical research opportunities. Graduates of the M.Tech ECE program are equipped to take on leadership roles in academia, industry, and research organizations. The program enhances problem-solving skills, technical expertise, and the ability to innovate, making graduates highly sought after by top companies in sectors such as telecommunications, electronics, defense, and IT.

At our institution, the M.Tech ECE program emphasizes critical thinking, interdisciplinary learning, and hands-on experience, preparing students to contribute to technological advancements and lead in the ever-evolving field of electronics and communication engineering.

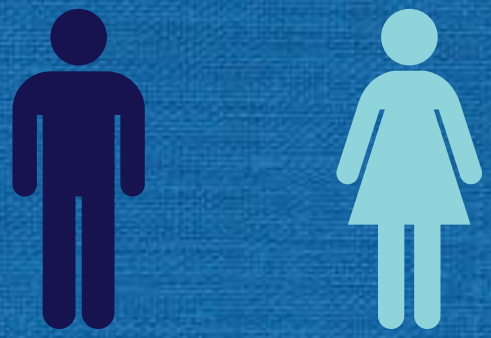
Demographics of Electronics and Communication

The Department of Electronics and Communication Engineering was established in 2010. It aims to produce quality professionals in this field to compete globally and excel by carrying out basic and applied research in emerging areas by forging strong industry-institute interaction.



Vision of the Department

To contribute to nation and the world by developing a high quality human and technological resource through excellence in the field of Electronics and Communication Engineering and research.



Male
122

Female
64

Few of our Alumnus

M. Zaid Zaz
Research Fellow at Department of Physics and Astronomy at the University of Nebraska-Lincoln, USA
B.Tech Electronics & Communication Engineering (2014-18)

Mohammad Basil Mir
Engineer at Qualcomm, San Diego USA
M.S. Electrical and Computer Engineering, Northeastern University, USA
B.Tech Electronics & Communication Engineering (2014-18)

Faaiq Qadri
Network Engineer at Three Ireland
MBA, UCD Michael Smurfit, Graduate Business School, Ireland
B.Tech Electronics & Communication Engineering (2016-18)

Hadia Ishfaq Nahvi
TCSA core, Amazon Web Services
MS Microelectronics, Newcastle University England
B.Tech Electronics & Communication Engineering (2015-19)

Ajaz Bhat
Wireless Senior System Engineer, Qualcomm
M.Tech IIT Jammu
B.Tech Electronics & Communication Engineering (2012-16)

Muzamil Nazir
PhD Mathematics at Clemson University, South Carolina, USA(pursuing),
M.Sc Mathematics, IIT Indore
B.Tech Electronics & Communication Engineering (2014-18)

Few of our Alumnus

Faizan Feroz
Senior Software Engineer, Honda Japan, KPIT.
Ex-Research Engineer, IIT Bombay
B.Tech Electronics & Communication (2016-2020)

Dr. Rizwan Manzoor
Assistant Professor IMT Ghaziabad
Ph.D. IIM Jammu (2020-2024)
M.B.A Operations and Supply Chain Management
(Gold Medalist) Central University of Kashmir (2017-19)
B.Tech Electronics & Communication (2012-17)

Atqa Qadri
Master's in Robotics at the University at Buffalo, USA
B.Tech Electronics & Communication Engineering (2015-19)

Jehangir Hamid Lone
Patent Research Associate at Innove Intellects LLP, India
B.Tech Electronics & Communication Engineering (2013-17)

Wahdat Kashmiri
Software Developer, Applied Informatics Inc, New York, USA
B.Tech Electronics & Communication Engineering (2014-18)

Hadi Mir
Business Manager, Finnair Cargo, Finland
MS artificial intelligence, University of Oulu, Finland
B.Tech Electronics & Communication Engineering (2014-18)

Few of our Alumnus

Mehran Gul
Software Engineer, The Marvin Group, Inglewood, CA 90302 USA
B.Tech Electronics & Communication Engineering (2014-18)

Manan Sajad Malik
M.S. in IT (Wireless Information and Networking) Loyalist, Ontario College, Canada
B.Tech Electronics & Communication Engineering (2018-22)

Saud Ahmad Khan
Master of Engineering with specialization in Electrical and renewable Energy Systems, Deakin University, Australia
B.Tech Electronics & Communication Engineering (2017-21)

Zairah Javeed
Senior Networking engineer, Commscope, India
B.Tech Electronics & Communication Engineering (2014-18)

Saiba Saleem
Network Engineer at DISH Network Technologies
B.Tech Electronics & Communication Engineering (2017-21)

Toiba Bilal
Assistant Manager - Powerplant, Vedanta ESL Steel Limited
B.Tech Electronics & Communication Engineering (2018-22)

WHY RECRUIT FROM IOT?

Starting from the motto of IOT Zakura Campus, "From Darkness to Light", The institute lays the foundation of people who play a pivotal and paramount role in transforming the nation by leading from the front. With the aim to render to the society a legion of not only the best engineers (in near future) but humans that contribute to the society and mankind when they walk out of the gates of this institute, IOT has always taken the lead.

BROAD CURRICULUM

IOT offers its students a wide range of courses with plenty of choices in the fields of Engineering & Sciences through its all departments. The courses are designed in accordance with the requirements of Industry and Academia. The compulsory 6-8 weeks Practical Training in industry or on a project to familiarize them with the actual industrial environment & to enhance their practical skills.

ADMISSION:THE FEW; THE ELITE

Only the top students make it through the rigorous selection procedure to carry forward the legacy of our institute. The campus is a mix of students with diverse backgrounds with exceptional caliber, strong qualitative, analytic, and scientific ability along with a strong will to compete and lead. The admissions are carried out through JEE(MAINS) and GATE (GRATITUDE APTITUDE TEST IN ENGINEERING).

Facilities For Recruiters

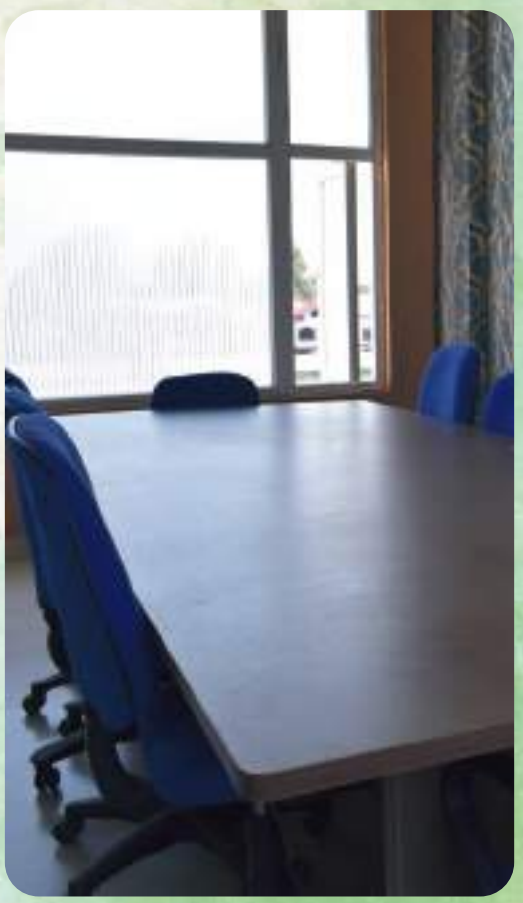
- Local transportation arrangement by the Institute for the visiting team.
- Computer Services Centre to conduct exams and interviews, online discussions.
- Conference Hall with well-equipped audio multimedia computers & LCD Projection facilities.
- Halls for conducting written tests and rooms for conducting interviews and group discussions.
- Accommodation in the Institute Guest House with Complementary Boarding and Lodging facilities.

The department provides facilities for the visiting companies to conduct pre-placement talks, written tests, group discussions and interviews. Audio visual aids like laptops, LCD projectors for pre placement talks and internet facilities for online tests are arranged upon prior intimation. Conveyance from/to airport or railway station is arranged by the department. Accommodation and food are provided at the institute guest house for the company on prior intimation and the cost of these are borne by the institute. In case the company executives wish to stay outside the campus all arrangements for their accommodation are made but costs are to be borne by the company.

Facilities for Hosting Companies

Seminar Hall

Interview Rooms



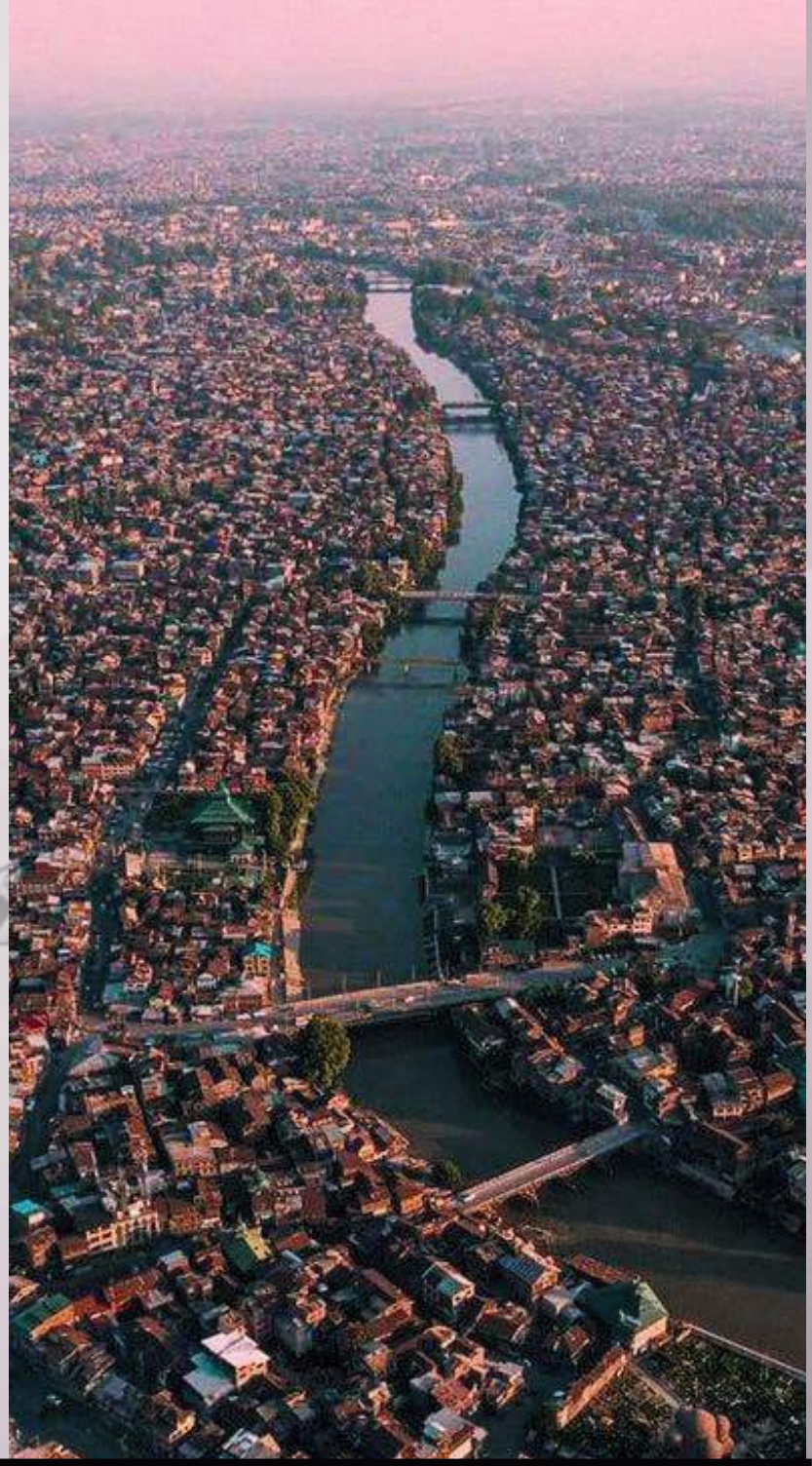
Bus facilities

Guest House facilities

About Srinagar City

Srinagar city lies along the banks of the Jhelum River at an elevation of 5,200 feet in the Vale of Kashmir. The city is famous for its gardens, lakes and houseboats. Srinagar is called the city of lakes and the Venice of the East, fascinating tourists from centuries with its beautiful picturesque Himalayan backdrop, glittering lakes that are surrounded by houseboats and Shikaras and the majesty of Mughal architecture. The very absence of order in the location of the houses and their tumbled down appearance add a peculiar charm to the scenery. It has its own quaint lifestyle, telling a panoramic fairytale tour through the snowcapped mountains and Chinar trees, while enjoying the adventurous pleasures of hiking, mountain biking, and rafting. It is also known for traditional Kashmiri handicrafts and dried fruits. The city is located on both the sides of the Jhelum River, which is called Vyath in Kashmir. The river passes through the city and meanders through the valley, moving onward and deepening in the Dal Lake. The city is famous for its nine old bridges, connecting the two parts of the city. There are a number of ways to reach Srinagar city. You can reach here via Road, Air and Train. It's distance from some major cities of India like Bengaluru, Delhi, Mumbai, etc. is mentioned below:

1. Delhi (794 Km)
2. Bengaluru (2957 Km)
3. Hyderabad (2365 Km)
4. Chandigarh (571 Km)
5. Pune (2243 Km)
6. Mumbai (2199 Km)
7. Chennai (2990 Km)



NEAR DESTINATIONS

JAMIA MASJID
5KMS

HAZRATBAL SHRINE
0.5 KMS

CHESHME SHAHI
5KM

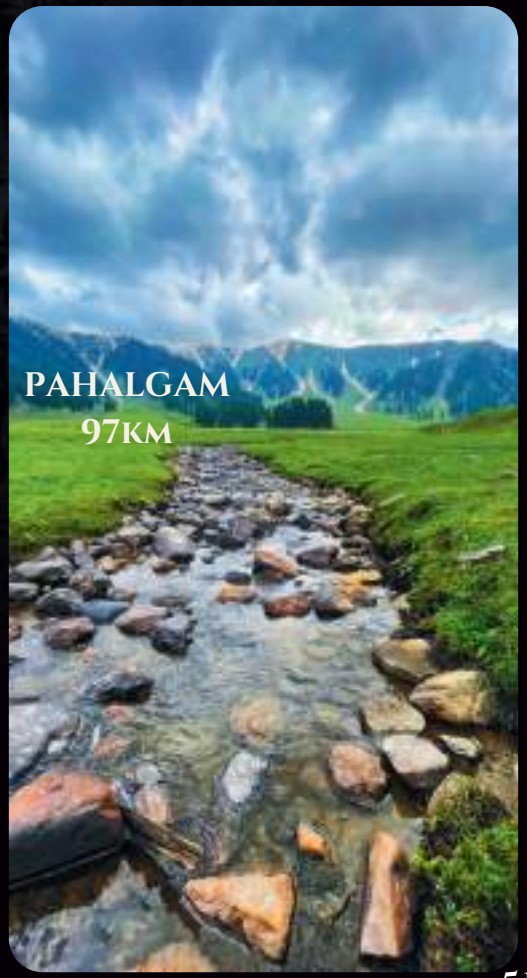
SHEHRE KHAS
6KM

DAL LAKE
2KMS

NISHAT BAGH
4KM

TULIP GARDEN
5KM

FAR DESTINATIONS



LIFE AT IOT

Life at the Institute of Technology (IOT) is a multifaceted journey, encapsulating academic excellence and a rich sports culture that adds a unique dimension to the student experience. The institute's commitment to holistic development is evident in its active participation in a myriad of sports events throughout India. From the thundering cheers on the football field to the exhilarating descents down snowy slopes during skiing competitions, IOT students embrace diverse sporting challenges with passion and enthusiasm.

Cricket matches at IOT are not just about boundaries and wickets; they are a celebration of skill and teamwork. The institute fosters an environment where students can showcase their athletic prowess, learn valuable life lessons through sportsmanship, and build enduring friendships on the field. The annual sports events bring together students from various backgrounds, creating a sense of unity and camaraderie that extends beyond the classroom.

The sports culture at IOT goes beyond mere competition; it is a catalyst for personal growth and a healthy lifestyle. Through organized events and competitions, students not only showcase their athletic talents but also learn essential life skills such as discipline, time management, and resilience. The institute's commitment to sports reflects its belief in providing students with a well-rounded education that extends beyond textbooks, nurturing both their intellectual and physical well-being.

In essence, life at IOT is a harmonious blend of academic rigor and the thrill of sports, where students find a space to excel not only in their chosen fields of study but also on the sports arena, contributing to an enriching and balanced college experience.

CLUBS OF IOT SRINAGAR

Robotics and Innovation Club (TECHPOINEERS GUILD)

The Robotics and Innovation Club is a hub for students passionate about technology, robotics, and innovation. It offers hands-on experience in designing, building, and programming robots. The club participates in various competitions and exhibitions, encouraging members to develop creative solutions to real-world problems. It's an ideal space for aspiring engineers and technologists to collaborate, learn, and innovate.

Cultural Club (CROSSROADS OF CULTURE)

The Cultural Club celebrates and promotes the rich diversity of cultures within the college community. It organizes events such as festivals, cultural nights, dance performances, and music concerts. The club provides a platform for students to showcase their talents in various art forms, including drama, music, dance, and fine arts. It also encourages cultural exchange and understanding among students from different backgrounds.

Research Club (QUANTUM QUEST)

The Research Club drives innovation and academic excellence by offering students a platform to delve into advanced technologies. Through collaborative projects, mentorship, and hands-on experimentation, the club nurtures curiosity, critical thinking, and the creation of practical solutions to real-world engineering challenges.

CLUBS OF IOT SRINAGAR

Sporting Club (Triumph Fitness Circle)

The Sporting Club promotes physical fitness and sportsmanship among students. It offers a wide range of sports and physical activities, including football, basketball, volleyball, cricket, and more. The club organizes intercollegiate tournaments, intramural leagues, and training sessions to help students hone their skills. It fosters a spirit of teamwork, discipline, and healthy competition.

AI and Coding Club (CodeWave and AI Forum)

The Club is dedicated to enhancing students' programming and software development skills. It conducts workshops, coding challenges, hackathons, and guest lectures from industry experts. The club covers various programming languages and technologies, helping members build projects and improve their problem-solving abilities. It's a great platform for students interested in software engineering to network and collaborate.

Skill Bee Club

The Skill Bee Club focuses on developing a wide range of practical and soft skills among students. It offers workshops and activities on public speaking, leadership, time management, resume writing, and more. The club aims to prepare students for the professional world by equipping them with essential skills that complement their academic knowledge. It's a space for personal growth and skill development, helping students become well-rounded individuals.

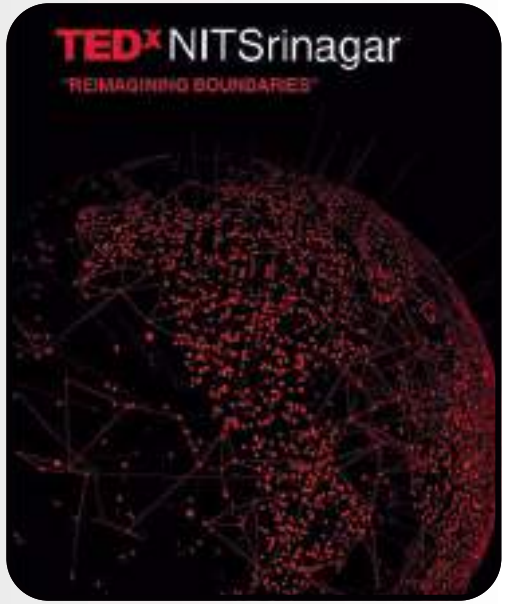
ACTIVITIES AT DEPARTMENT

TECHNICAL TOURS

Department of Electronics and Communication Engineering, Institute of Technology (IOT), University of Kashmir conducted one day technical/educational tour to Doordarshan Kendra (DDK) Srinagar.

TED TALK

TED-X NIT Srinagar, under the banner of Explore -X organized a Technical Speaker Talent hunt, at the Dept. of ECE, Where many students delivered technical talks. The Explore-X event is a precursor to the main event organized by NIT Srinagar and held at University of Kashmir.



ACTIVITIES AT DEPARTMENT

Hands-On Learning

Department of Electronics and Communication Engineering's Technical Tour to Upper Sindh Hydroelectric Power Station.

Let Us Talk

Department of Electronics & Communication Engineering, Institute of Technology, Zakura Campus, University of Kashmir Hosts 'Let Us Talk' Event for Open Dialogue Between Students and Faculty.

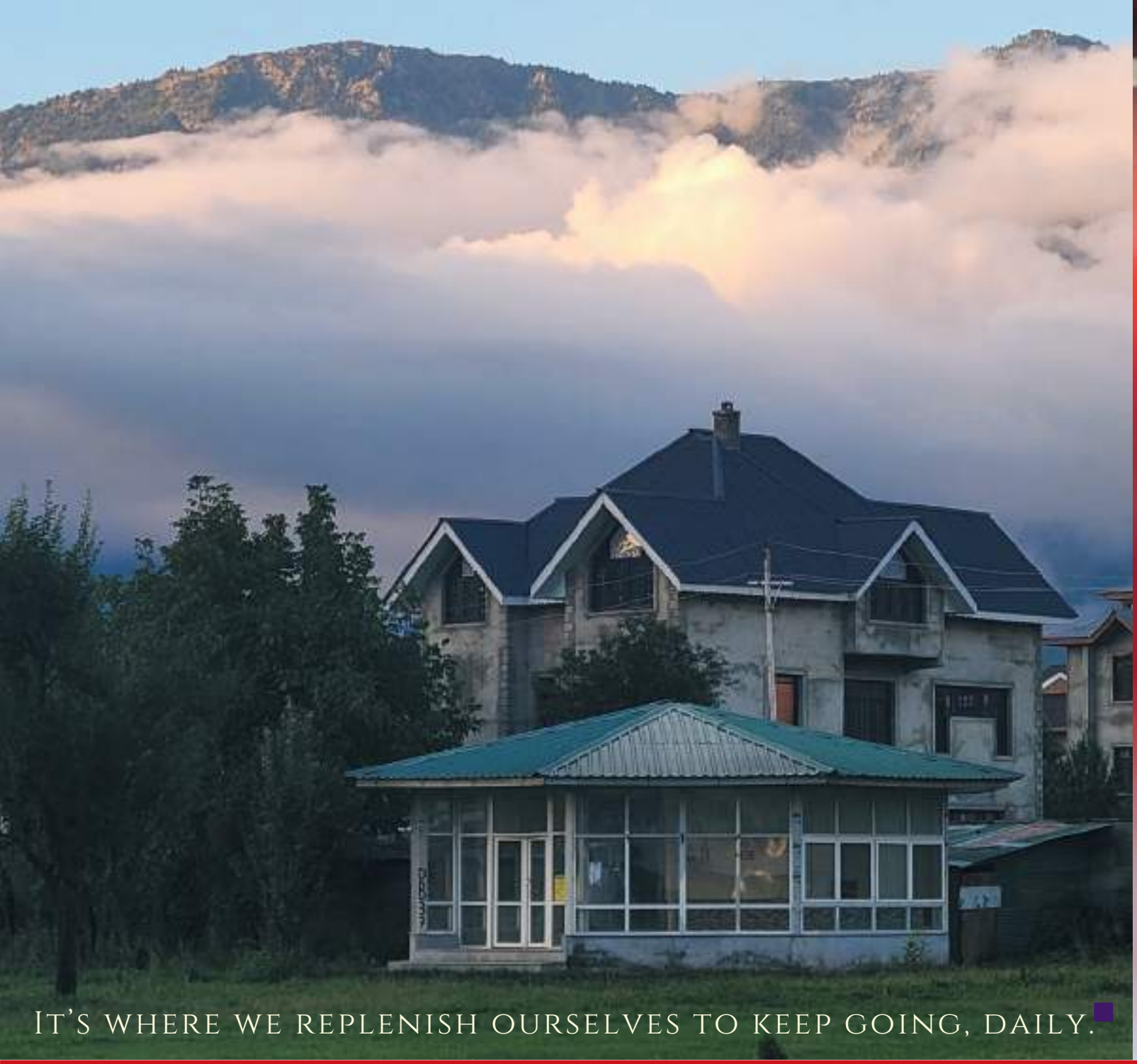
ACTIVITIES AT DEPARTMENT

ASPIRERS MEET INSPIRERS EVENT

The Department of Electronics & Communication Engineering at the University of Kashmir successfully organized a one-day event titled "Tech Futures: Alumni Insights for Students," aimed at bridging the gap between academic learning and real-world technology careers.

Corporate Readiness Workshop

HiQmah, a prominent skill development organization dedicated to bridging the gap between academia and industry, in collaboration with the Department of Electronics and Communication Engineering, recently organized a one-day Corporate Readiness Workshop for college students in Jammu & Kashmir.

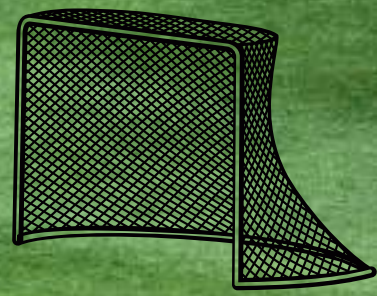


It's where we replenish ourselves to keep going, daily.

HOUR OF BITE.

The atmosphere of the cafe is a green garden which surrounds this den of caffeine lovers.

GUSH OF SWEAT



A SECTION DEDICATED TO SPORTS AND SWEAT.

Department of Electronics and Communication

The eleven man Volleyball team which came first in the university season of 2024 This season is held every year as a part of the University's inter department sports fest.

"We know how to handle a transistor as well as a Volleyball."

The variety of sports are not just limited to football. A willow and a cork ball under the mountains is the best luxury a cricketer can ask for.

Lush outfields are an untold story of progressive work by machinery that keeps it flat and resilient. As such even the local cricket leagues of J&K use the University's grounds as part of their calender.

We lifted the trophy in Hockey as well.

ECE students won the inter department football tournament 2024.

ECE students takes the table Tennis trophy home.

Rest of the story, inside the campus.

Roshnaas

Roshnaas is the flagship annual techno-cultural festival of the Institute of Technology, University of Kashmir, Zakura campus.

This prestigious five-day event attracts participants from schools, colleges, and universities across the Union Territory of Jammu and Kashmir, providing a platform for students to showcase their talents and innovations. Roshnaas serves as a vibrant confluence of ideas, featuring a diverse assembly of expert analysts, including innovators, scientists, engineers, academicians, administrators, artists, and entrepreneurs. These thought leaders will engage in enriching discussions and share their expertise, experiences, and insights with the dynamic youth of Jammu and Kashmir. The event not only celebrates technical excellence and creativity but also fosters collaboration and intellectual growth, positioning it as a premier opportunity for knowledge exchange and inspiration.

Sonzal

Sonzal is a prestigious five-day annual cultural festival organized by the University of Kashmir's Institute of Technology. The festival serves as a dynamic platform for students to showcase their talents, creativity, and potential across a wide range of artistic and cultural disciplines. Through events such as music, dance, drama, photography, and more, Sonzal fosters a vibrant environment for self-expression and artistic excellence Participants have the opportunity to advance beyond the university level, with winners gaining eligibility to compete in inter-university, regional, and South Asian university youth festivals. These stages offer students a chance to represent their institution on broader platforms, showcasing their talents at a higher level. Sonzal is not just a celebration of culture and diversity, but also a gateway to wider recognition and achievement in the arts.

Eid Sal

Eid Sal is a prominent annual three-day food and cultural festival celebrated at the University of Kashmir.

This vibrant event attracts a large number of participants from across the Kashmir Valley, offering a unique platform for budding artists and students to nurture their entrepreneurial spirit.The festival showcases the talents of emerging entrepreneurs, including student innovators, who set up stalls to promote their products and skills. Alongside these entrepreneurial endeavors, Eid Sal celebrates the rich cultural heritage of the valley through captivating musical performances by Kashmiri artists, promoting a deep connection to local traditions. Eid Sal is not only a celebration of Kashmiri food, culture, and craftsmanship but also a space for networking, collaboration, and innovation.

It fosters skill development and cultural exchange, making it an essential event for the youth of Kashmir to participate in both economic and artistic growth.

Patent grants in recent years:

- A smart room heater configured to operate on a low voltage under blanket usage.
- Internet based dual ambu bag resuscitator.
- Solar Electrified road for wireless charging on electric vehicles.
- Winter water pipe de-freezer using non-invasive induction heating.
- A Carbon Monoxide detection (CO) Detection and Ventilation System.
- An Automatic Pink Tea Vending Machine.
- Fuel Quality and Quantity Monitoring add on system.
- Starch Free Rice cooker for Diabetic patients.
- A novel apparatus for environment sensing in tunnels, deep wells and manholes before repair works.
- Incubator System for Premature Infants.

- Smart Lock system and operating method thereof (Under examination).
- Temperature controlled bottle with Integrated hydration monitoring capability (Under examination).
- Wearable Device for personal safety, security and health monitoring (Under examination).
- A Pillow System (Under examination).

Published:

- Method for turning the circuit open to protect from an electric shock (published).
- Device for providing cooling and heating effects for therapeutic treatment (published).

Startup grants:

- Received 5.5 lac rupees as grant for start up from SKIIEC, SKUAST-K for the development of "Drone for aerial soil sampling of agricultural land".
- Received 5 lac rupees as grant for start up from SKIIEC, SKUAST-K for the development of prototype of "A carbon monoxide detection and automatic ventilation system".
- Received 4.5 lakh as grant for start up from SKIIEC, SKUAST-K for design and development of "sensor pod for AI enabled fish pond monitoring and control".
- Received 3 lac rupees as grant by CIED, IUST for design and development of "de-freezer of winter pipes".
- Received 1.5 lakh as grant for start up From CIED, NIT Srinagar for design and development of "AI educational doll for kids".
- Received 5 lakh from JKSTIC for the project design and development of "AI based portable fruit grader".
- Received 5 lakh from JKSTIC for the project design and development of "ML Based Early Breast Cancer detection".

PATENTS

BY FACULTY AND STUDENTS

Stop dreaming and start doing.

पेटेंट कार्यालय भारत सरकार
The Patent Office, Government Of India
पेटेंट प्रमाण पत्र | Patent Certificate

पेटेंट सं. / Patent No. 527835
आवेदन सं. / Application No. 202211064266
दाखल करने की तारीख / Date of Filing 12/08/2023
पेटेंटी / Patentee 1.Hakeem Mohd 2.Jahangir Hameed Lone 3.Adil Yousuf 4.Bhakir Rajab Bhat

It is hereby certified that a patent has been granted to the patentee for an invention entitled SOLAR-ELECTRIFIED ROAD FOR WIRELESS CHARGING OF ELECTRIC VEHICLE as disclosed in the above mentioned application for the term of 20 years from the 12th day of August 2023 in accordance with the provisions of the Patents Act 1970.

पेटेंट कार्यालय भारत सरकार
The Patent Office, Government Of India
पेटेंट प्रमाण पत्र | Patent Certificate

पेटेंट सं. / Patent No.
आवेदन सं. / Application No. 202211001798
दाखल करने की तारीख / Date of Filing 06/01/2022
पेटेंटी / Patentee 1.Asif Ali Mir 2.Shafiqa Parveen 3.Abid Mushtaq Hafiz 4.Ajaz Ahmad

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाकथित A NOVEL APPARATUS FOR ENVIRONMENT SENSING IN TUNNELS, DEEP WELLS AND MANHOLES BEFORE REPAIR WORKS यथाकथित अविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार उक्त तारीख नवम्बर 2025 के बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

INTELLECTUAL PROPERTY INDIA
भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE

पेटेंट सं. / Patent No. 410011
आवेदन सं. / Application No. 202211047064
दाखल करने की तारीख / Date of Filing 18/10/2021
पेटेंटी / Patentee 1.Jahangir Hameed Lone 2.Rajat Noor 3.Aniaq Kaul 4.Imran Nazir

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाकथित STARCH FREE RICE COOKER FOR DIABETIC PATIENTS यथाकथित अविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार उक्त तारीख अक्तूबर 2021 के अट्ठाईसवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदान किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled STARCH FREE RICE COOKER FOR DIABETIC PATIENTS as disclosed in the above mentioned application for the term of 20 years from the 18th day of October 2021 in accordance with the provisions of the Patents Act, 1970.

Intellectual Property Office

Certificate of Registration for a UK Design

Design number: 6367558
Deposit date: 09 September 2024
Registration date: 30 August 2024

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, has been registered as of the date of registration shown above in the name of

Internship Statistics & Hotspots

1. Indian Institutes of Technology (IIT Jammu)
2. Indian Institute of Science (IISc), bangalore
3. National Institute of Electronics & Information Technology (Nielit, jammu)
4. National Institute of Electronics & Information Technology (Nielit, Kashmir)
5. Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST-K)
6. Gas Insulated substation (GIS) JKPTCL
7. CCNA-Techboxx
8. Doordarshan (DD Kashmir)
9. Jammu and Kashmir Power Development Department (JKPDD)
10. Shyam Indus Power Solutions Pvt. Ltd
11. Jammu and Kashmir Power Development Corporation Limited (JKPDCL)
12. Jammu and Kashmir Power Transmission Corporation Limited (JKPTCL)
13. Bharat Sanchar Nigam Limited (BSNL)
14. Reliance JIO
15. CETPA INFOTECH PVT. LTD
16. Radio station, Srinagar
17. BD Security Pvt. Ltd
18. Emertxe Information Technologies
19. Hnnoix India Private Limited

Some Past Recruiters

vedanta
transforming for good

indus TOWERS

IBM

airtel

Infosys

BOSCH

AUTODESK

wipro

Tech Mahindra

MARUTI SUZUKI

Some Past Recruiters

DocAcquire

amdocs

ASTI INFOTECH
Smarter Solutions

iQss

Serv Staffing
Simplifying Talent Needs

Revolut

VALEUR FABTEX
...empowering the unskilled

DELPHI

ABRAQ agro

essi
Security & Defence

Port of Salalah

PrimeXM

meil

InnoveIntellects

concentrix

FOCUS EDUMATICS
ACCELERATING TRANSFORMATION

VALIANT Business Media

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Lumino Industries Ltd.
ISO 9001:2015 Certified Company

KPDCL

Placement 2022-23 Statistics

- The placement statistics for the year 2023 at the Institute of Technology (IOT) paints a remarkable picture of success and accomplishment. The graduating engineering students showcased their exceptional skills and talent, securing promising career opportunities with renowned companies. Notably, industry leaders such as Vedanta Pvt Ltd, Indus Towers Pvt Ltd, and Tata Advanced Systems Ltd (TASL) were among the top recruiters, affirming the high caliber of students at IOT. The dedication, perseverance, and technical prowess displayed by the engineering graduates during the placement process have notably impressed recruiters but also underscored the institute's commitment to producing professionals ready to make a meaningful impact in the corporate world. The collaborative efforts of the students, faculty, and industry partners have truly contributed to the stellar placement success of the class of 2023, reflecting the excellence and reputation of IOT in the field of engineering education.

Placement Procedure

1. The Department of Training and Placement sends invitation to the companies.

2. The companies fill up the Job Notification Form and Internship Notification Form.

3. The date of preplacement talks is finalized by Department of Training and Placement in consultation with companies.

4. Students register for companies.

5. Company officials conduct the pre-placement talks.

6. The placement schedule is finalized by Department of Training and Placement in consultation with companies.

7. Placement session begins and company evaluate the students.

8. List of Selected Students along with the offer letter is sent to department of Training and Placement. Placement Session ends.

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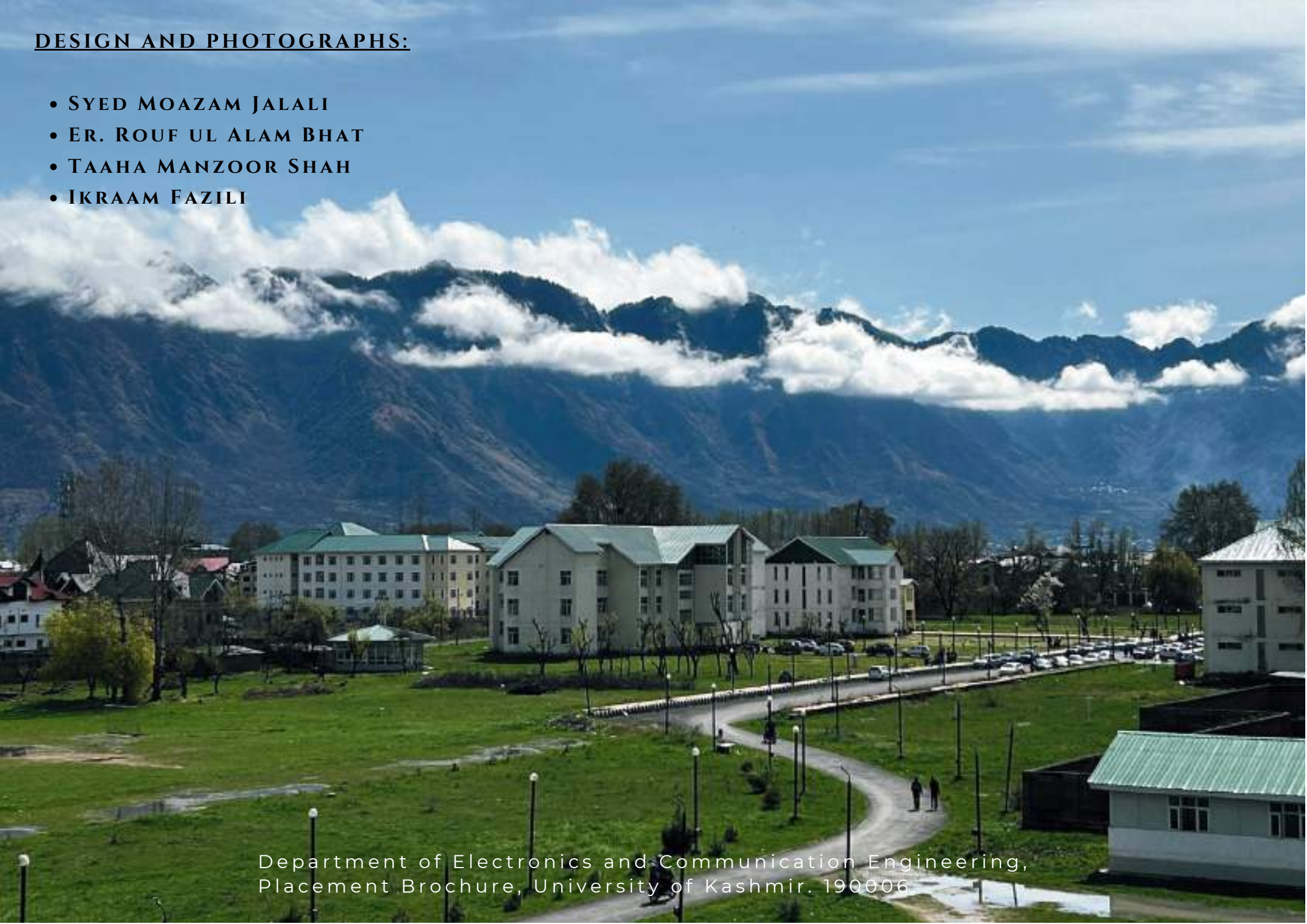
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