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## ABOUT I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

**I.K.Gujral Punjab Technical University (IKGPTU)** was established by an Act of State Legislature on 16th January, 1997, to promote technical, management and pharmaceutical education in the state at degree level and above. It was established as Punjab Technical University and renamed as I.K.Gujral Punjab Technical University by State Government in the honour to Late Sh. Inder Kumar Gujral, Former Prime Minister of India, in 2015. The University has the mandate to set up centres of excellence in emerging technologies and for promoting training, research and development in these areas. Through various technical and research courses, the University has contributed significantly and is still continuing with its tireless initiatives towards building the skilled human resource in the country in general and in the state in particular. With this goal in mind, the university is promoting a number of courses in different streams in regular as well as distance education programmes. At present University have 102 AICTE, 146 UGC, 06 Architecture and 36 Pharmacy institutes affiliated with it. It is

a State Technical University of Punjab.

IKGPTU is undertaking and supervising the instructions and award of 30+ bachelor's degrees in Engineering & Technology & 20+ in non-AICTE & UGC courses. The University has a land area of 78.16 acres & it owns more than 10 campuses throughout the state of Punjab.

University started its journey with 09 Engineering & 05 Management colleges. IKGPTU has its own learning centers under Distance Education Programme. The University has a rich strength of lakhs of students, which also includes 1,500+ international students from 30+ countries.

I.K.Gujral Punjab Technical University (PTU) has bagged the much-coveted Best Technical University Award for the year 2013. The Award, instituted by Indian Society for Technical Education (ISTE) and Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, encourages technical universities to enhance their performance and to serve the community as well as stakeholders by improving quality and maintaining the standard of the programs offered.

Earlier, University had bagged an award in the "Best University





Promoting High Quality Research at Master's and Doctoral Thesis Work" category in the CCI Technology Education Excellence Awards 2013. This award was instituted by a Consortium of Co-Chairpersons-Industry (CCI) of Gujarat Technological University (GTU), jointly with the Communication Multimedia and Infrastructure Association of India (CMAI).

IKGPTU has also been conferred upon eINDIA 2010 Award of the Year as "ICT Enabled University of the Year" and "Open and Distance Learning Initiative of the Year Award" by the Ministry of Information and Communication Technology, Govt. of India, at Hyderabad on August 5, 2010.

IKGPTU is offering a number of welfare schemes for students like SC/ST welfare schemes, in which no fee is to be paid by the SC/ST students, and also is successfully executing the schemes of Punjab Government. The university also offers free schemes for needy & scholar students. It also offers various scholarship schemes like GATE Scholarship, JRF and SRF scholarships, UGC/NET Schemes and Scholarships, research grants, research and development projects etc.

With an aim to ensure the holistic development of the students, the university provides a course on Human Values & Professional Ethics for all engineering & management students,

in collaboration with NRCVEE, IIT, Delhi and IIIT, Hyderabad.

IKGPTU provides a platform to its students through which they get acquainted with the industrial needs and prepare themselves accordingly. The university is providing them industrial training throughout the year. In this regard. It has entered into collaborative partnership with business, government, and other research institutions; tie-ups with national & international industries for training and placement of students; development of finishing schools; establishment of incubation centers to promote skill development and entrepreneurship. The job fairs are organized regularly. The university also participates in different industrial fairs as well as in trade expo.

With a mission to provide excellent education to the IKGPTU students, the university has always been concerned about the training & development of its faculty. Faculty Development Programs are regularly organized wherein the resource persons from IITs, IIMs & NITs develop the faculty with updated curricula & teaching pedagogies in the respective domains. The university has also made the affiliated institutes as Centres of Excellence.

I.K. Gujral Punjab Technical University has a wide network of Engineering, Management, Pharmacy, Hotel Management, and Architecture Colleges in the State of Punjab duly approved by All India Council of Technical Education (AICTE) / apex regulatory bodies. Punjab has been one of the most prosperous states in India since independence by way of the Green Revolution coupled with the White revolution. To give equal momentum to the industrial growth of Punjab educated skilled workforce in sufficient numbers has always been a need of the hour. The Globalization of the Indian economy in early 90's further extrapolated the need of such a young innovative workforce. University has produced thousands of technical and professional graduates since its inception who are highly placed with reputed organizations and many are also successfully running their entrepreneurial ventures.

#### **University Auditorium**

University has state-of-the-art infrastructure. Its auditorium namely Sri Guru Nanak Dev Ji Auditorium is a center of attraction for the visitors. This auditorium is having capacity of 800 seats. It is developed with an estimated investment cost of Rs. 20 Crore.

The Auditorium's external facades are having Red sandstone and Agra White stone cladding. It is fully air-conditioned. The auditorium is equipped with state-of-the-art LED projection screen on stage of size 25' x 14'. It has facilities for the live telecast of functions, University activities and to organize National-International level events. Video conferencing, video recording, etc. facilities are also available in this auditorium.

#### **Centre for Invention, Innovation, Incubation and Training (CIIT)**

In the year 2019, University established a Unique Project namely Sri Guru Nanak Dev Ji Center for Invention, Innovation, Incubation and Training (CIIT) in collaboration with Tata Technologies Limited (TTL), Pune. This initiative is for qualitative improvements in State Technical education. To create infrastructure and learning environment for training manpower to cater to the increasing needs of the region, University established this Centre at its Sultanpur Lodhi & main Campus. This Centre is helpful to increase employability, provides a ready local pool of engineers, operators, technicians and skilled manpower required by the industries in the manufacturing sector.

### **SALIENT FEATURES**

- State-of-the-art infrastructure and air-conditioned classrooms
- Wi-Fi campus with a leased line internet facility
- Newly developed & furnished hostel accommodations
- AICTE Approved Campus Courses
- State-of-the-art sports facilities
- Modern cafeteria
- The North India's exclusive central library as the Knowledge Resource Centre. Access to e-journals in different subjects through mobile Application, "Knimbus Mobile application" at Knowledge Resource Centre
- Fast and convenient transportation facilities with good connectivity
- Academic support to approx. 1.5 lakhs students
- Short term courses in the foreign languages for enhancing the employability of students
- Human Values & Professional Ethics course for all students
- Periodic restructuring and updating of the courses to match international standards in consultation with the help of Industrialists / R&D/Academia



## ACHIEVEMENTS OF OUR UNIVERSITY

### **Facilitation to Punjabi Youth under Foreign Degree Programme**

University is offering Credit Transfer Program for the students who are pursuing Dual Degree courses and getting admissions in the same Bachelor Degree Program at IKGPTU and University of the Fraser Valley (UFV). University also signed an agreement with Thompson River University Canada for Dual Degree programme. It was initiated to give maximum facilitation to our Punjabi Youth on genuine fee.

### **Step towards Employability Enhancement**

University joined hands with three Nationally-Internationally recognized organizations. This step ahead is for the internship of the students and their employability enhancement. University signed different Memorandum of Understanding (MoUs) with National Institute of Electronics & Information Technology (NIELIT), International Association of Students in Economic and Commercial Sciences (AIESEC) and Internshala.

### **Sports and Cultural**

To maintain the enthusiasm of sports and cultural activities in university, a separate sports and cultural activity cum monitoring wing has been established under the Students' Welfare Department. University developed 400m grass track, one open gym, badminton court & basketball ground at its Main Campus, Kapurthala.

The University, in recognition of improving efficiency,

consistency, and the quality of administration, has included **e-Office solution**. The general objective of e-Office adoption was the elimination of paper and converting most or all office communications to electronic form to reduce processing delays, establish transparency and accountability.

**Major & Minor Degree Certification:** To enhance the employability, University is admitting students under the Major & Minor Degree Certification.

**Transparency in Examination:** Availability of scanned copy of evaluated answer sheets for students without RTI.

**Establishment of Control Room** to start Monitoring of more than 100 Exam Centres.

### **On-Screen Evaluation system**

· **An Online Portal to facilitate students** for their queries related to international agencies and credential check

## DEPARTMENT OF PLANNING & EXTERNAL PROGRAMS

**International collaborations:** The department of Planning and External Programmes aims to explore and manage the International and Outreach and other collaborative programs to collaborate with other internationally reputed educational institutes for academic and professional exposure through information exchange on course development and teaching methods, exchange of staff and students and development of joint research projects.

**Internal Quality Assurance Cell (IQAC):** The department of Planning and External Programmes aims to establish Internal Quality Assurance Cell (IQAC) for regular monitoring, guiding and implement the best practices to improve the academic standards of courses offered at University Campuses and affiliated colleges of University. The IQAC endeavors channelize and systematize the efforts and measures of an institution towards academic excellence.

**International Students Cell (ISC):** The department of Planning and External programmes aims to establish International Students Cell to attract aspiring students from all around the world with special scholarships to students from SAARC Countries.

**Indian Institute of Remote Sensing (IIRS):** The department of Planning and External programmes has registered the IKGPTU on IIRS Outreach Programme Portal for availing free education for faculty/staff/students. IIRS Outreach Programme focusses on strengthening the Academia and User Segments in Space Technology & Its Applications using Online Learning Platforms. IIRS is a premier training and educational institute set up for developing trained professional in the field of Geospatial technology for natural resources, Environmental and Disaster Management founded in 1966.

### DETAILS OF SIGNED MOU'S:

University/ Institute Name	Country	Area of Collaboration	Tenure
Thompson Rivers University	Canada	Trades preparatory program offered in Punjab for students wishing to undertake trades training at TRU in Kamloops	20.12.2018 to 19.12.2021
University of the Fraser Valley	Canada	a. Exchange visits of faculty, researchers and administrative staff b. Exchange of student, student visitation, and the development of study abroad and short – term programs c. Assessing the potential for transfer and degree completion programs. d. Organising of conferences, seminars, sports events, symposia or lectures. e. Exploration of common research interests and other forms of academic collaboration.	MoU 16.02.2018 to 15.02.2023



University/ Institute Name	Country	Area of Collaboration	Tenure
University of the Fraser Valley	Canada	a. Exchange visits of faculty, researchers and administrative staff b. Exchange of student, student visitation, and the development of study abroad and short – term programs c. Assessing the potential for transfer and degree completion programs. d. Organising of conferences, seminars, sports events, symposia or lectures. e. Exploration of common research interests and other forms of academic collaboration.	MoU 08.06.2018 To 07.06.2023
		Articulation program in Bachelor of Computer Application to Bachelor Computer Information Systems( BCA to BCIS)	Letter of Agreement (LOA) 08.06.2018 to 07.06.2023
Trent University	Canada	a. Development of pathway articulation agreement of undergraduate students. b. Exchange of faculty members and researchers. c. Exchange of students d. Exchange of information and academic resources that are of mutual interest. e. Collaboration research, joint symposia, guest lectures and short-term education abroad programming.	MoU 31.03.2018 to 30.03.2023
Seneca College of Applied Arts and Technology	Canada	a. Articulation program in Bachelor of Commerce and Technology. b. Exchange of scholars and students c. Collaborative applied projects, d. Participation in workshops & Seminars. e. Other form of collaboration in the mutual interest.	MoU 23.03.2017 to 22.03.2022
Yorkville University	Canada	a. Articulation agreements and academic pathways for IKGPTU students, b. Joint marketing activities including Recruitments Fairs, Open Houses, Agent Nights, c. Joint academic events and activities, including faculty/ administrators, professional development student exchanges and class schedule d. Information exchanges including the result of teaching and research collaboration, and e. Any other activities viewed to be mutually beneficial.	MoU 08.06.2018 to 07.06.2021

University/ Institute Name	Country	Area of Collaboration	Tenure
		Articulation programme in Business Administration (BBA).	Letter of Agreement 13.09.2018 to 12.09.2023
Vancouver Island University	Canada	a. Visits and exchange of members of the faculty, staff and students for the purpose of study, teaching and research. b. Collaborative research projects and joint initiatives such as seminars and lectures c. Visiting scholars d. Exchanging information, publications, and other material of common interest.	Agreement of Cooperation  11.06.2018 to 10.06.2023
University Canada West	Canada	a. Exchange of Faculty and Administrators, b. Exchange of Students, c. Conduct of joint Research, d. Promotion of Joint Research Events	MoU 08.06.2018 to 07.06.2023
Concordia University of Edmonton	Canada	a. Mobility of graduate and/or undergraduate students; b. Mobility of faculty and/or staff; c. Joint research administrator's activities and publications; d. Participation in seminars and academic meetings; e. Exchange of academic materials and other information; and f. Special short-term academic programs.  Agreement for International Student Exchange Appendix to the Memorandum of Understanding.	MoU  10.05.2018 to 09.05.2023  Agreement for International Student Exchange Appendix to the Memorandum of Understanding.
Tribhuvan University	Nepal	a. Exchange of Faculty and Administrators b. Exchange of Students c. Conduct of Joint Research d. Promotion of Joint Research Events.	MoU 26.07.2018 to 25.07.2023
Medicine Hat College	Canada	a. Exchange of faculty members and administrators. b. Undergraduate and graduate student mobility c. Joint projects related to applied research, teaching and faculty development d. Development of joint initiatives with partner institutions, including joint or collaborative courses or programs. e. Opportunities for full-degree fee paying undergraduate/ graduate study.	MoU  20.08.2018 to 19.08.2023



University/ Institute Name	Country	Area of Collaboration	Tenure
Nottingham Trent University	United Kingdom	a. Exchange of information on course development and teaching methods. b. Exchange of staff and students. c. Development of joint research projects. d. Development of progression routes from courses of IKGPTU to courses leading to awards of NTU. e. Any other areas which may promote the academic interests of the Parties in research and/or teaching.	MoU  29-10-2018 to 28-10-2021
		Progression agreement for M.Sc. and MBA programmes	15.07.2019 to 14.07.2022
Leaders Institute	Australia	a. Joint educational, training/or research activities b. Exchange of invitations to faculty, research personnel, graduate and undergraduate students (hereinafter referred to as “Scholars”) for lectures, visits and sharing of experiences c. Exchange of invitations to Scholars for participation in conferences, symposia and seminars d. Exchange of Scholars for study, training and research	MoU  09.02.2019 to 08.02.2024
Northern Illinois University, Dekalb, Illinois	USA	Academic Exchange Programmes	MoU 12.06.2019 to 11.06.2022
The University of the West of England, Bristol	United Kingdom	Letter of Recognition in Bachelor Business Administration (BBA)	LOR  26.09.2019 to 25.09.2021
Woosong University	South Korea	Academic Exchange Programmes	MOU 22.10.2019 to 21.10.2024
Asia Pacific University of Technology & Innovation (APU)	Malaysia	a. Articulation agreements and academic pathways for students of both the Institutions b. Joint marketing activities including Recruitment Fairs, Open Houses c. Joint academic events and activities, including faculty/administrators' professional development, student exchanges and class scheduling d. Information exchanges including the results of teaching and research collaboration e. Articulation programmes f. Any other activities viewed to be mutually beneficial	MoU  11.06.2019 to 10.06.2024

University/ Institute Name	Country	Area of Collaboration	Tenure
Asia Pacific University of Technology & Innovation (APU)	Malaysia	<ul style="list-style-type: none"> <li>a. Articulation agreements and academic pathways for students of both the Institutions</li> <li>b. Joint marketing activities including Recruitment Fairs, Open Houses</li> <li>c. Joint academic events and activities, including faculty/administrators' professional development, student exchanges and class scheduling</li> <li>d. Information exchanges including the results of teaching and research collaboration</li> <li>e. Articulation programmes</li> <li>f. Any other activities viewed to be mutually beneficial</li> </ul>	MoU  11.06.2019 to 10.06.2024
University of Nottingham	United Kingdom	<ul style="list-style-type: none"> <li>a. Learning and teaching including the development of a programme leading to an award.</li> <li>b. Exchange of students for a given period through a recognised exchange programme</li> <li>c. Exchange of members of the universities</li> <li>d. Exchange of documentation and research material</li> <li>e. Co-ordination through their respective offices in joint or collaborative research projects</li> </ul>	MOU  30.09.2019 to 29.09.24
Cambridge Assessment English	United Kingdom	<ul style="list-style-type: none"> <li>a) To improve of the quality of teaching and learning English in their Institutions and Institution they come in contact with;</li> <li>b) To Motivate the students of IKGPTU to learn English;</li> <li>c) To give teachers IKGPTU an opportunity for professional development by improvement in their English language skills;</li> <li>d) To organize Cambridge English programmes and courses for students and faculty of other institutions having link with IKGPTU;</li> <li>e) To recommend any other courses proposed by Cambridge English for the students, faculty and staff of IKGPTU and other Institutions;</li> <li>f) To introduce a standardised international testing system for English which is linked to the CEFR international benchmark;</li> <li>g) To offer opportunity for students of IKGPTU, to gain achievement in English which is internationally recognised;</li> <li>h) To organise joint conference /workshop / seminar /short term training programmes related to English Language Teaching.</li> </ul>	30.07.2020 to Abolish at any time by CAE & IKGPTU



University/ Institute Name	Country	Area of Collaboration	Tenure
Lia College	Hungary	a) Student's exchanges/Pathway programs, career guidance and internships. b) Students, Faculty and Staff Educational Tours, Seminars and Exchanges. c) Joint and Collaborative Educational Programs at Undergraduate, Graduate and Post Graduate/Doctoral Levels with Other Colleges and Universities. d) Cooperate in the exchange of information relating to other activities in teaching and research in field of mutual interests. e) Promote appropriate joint research projects and joint courses of study, with particular emphasis on internationally funded projects. f) Conduct economy demand based vocational courses. g) Any other activities viewed to be potentially beneficial.	MOU 01.08.2020 to 31.07.2023
Kasetsart University	Thailand	a) Exchange of information on course development and teaching methods. b) Exchange of staff and students. c) Development of joint research projects. d) Development of routes for progression whereby course work completed at IKGPTU will meet some of the course requirements needed to earn designated Bachelor degrees at KU. e) Cultural exchange programmes. f) Any other areas which may promote the academic interests of the Parties in research and/or teaching.	MoU 15.10.2020 To 14.10.2025
University of South Alabama	USA	a) Exchange visits of faculty member, researchers, administrative staff for the purpose of research, teaching and development. b) Exchange of Students, student's visitation, further study abroad and permitting students for short-term programs. c) Assessing the potential for transfer and degree completion programs. d) Organization of joint conferences, seminars cultural programs. e) Exchange of information in fields of mutual interests. Other activities of mutual benefit to both institutions.	MoU 25.06.2021 To 24.06.2026

## LIST OF NATIONAL MOU'S

University/ Institute Name	Country	Area of Collaboration	Tenure
SPHAERA PHARMA Private Limited	New Delhi	a) The specifics regarding the areas of co-operation will be defined and modified from time to time by the Joint Steering Committee (JSC) set up for the purpose. b) SPHAERA PHARMA may provide inputs from industry perspective for upgradation or updating of Master and Bachelor course (s) in Pharmaceutical Science/Chemistry at IKGPTU.	General Agreement 27.01.2021 To 26.01.2026
Guru Ravidas Ayurved University	Hoshiarpur	a) Exchange of information in any area of mutual interest. b) Exchange of faculty/officers/research scholars/students. c) Health awareness, clinics, clinical trials, camps, seminar etc under the ambit of Ayurved. d) Design & delivery of new courses in the field of AYUSH to be jointly disseminated locally & globally. e) Joint academic events and activities, including faculty/administrators professional development, student exchanges and class scheduling; f) development of joint research projects; g) Cultural exchange programmes; any other areas which may promote the academic interests of the Parties in research and/or teaching	17.05.2021 to 18.05.2026



## DEPARTMENT OF RESEARCH & DEVELOPMENT

Department of Research and Development provides an ecosystem of research within which faculty and scholars carry out their research for the advancement of their knowledge as well as to fulfil their academic endeavors. It also envisages the comprehensive framework for the development and implementation of research and development programs at IKGPTU as well as its affiliated colleges. IKGPTU campus and its constituent campuses are graced with a team of more than 75 PhD Faculty members in various discipline of courses. The University has more than 1200+ registered Research Scholars and about 400+ registered Supervisors.

For the facilitation of Research Scholars, Supervisors and Experts, the University provides a user-friendly online portal. The portal comprises modules covering admission, provisional registration, online fee payments, submission of documents, evaluation, and thesis submission. University also provides its students and registered supervisors the facility of Anti-Plagiarism software and digital library for online access of e-journals. The University provides financial assistance to its faculty for initiating research program and to present the outcome of their research projects in conferences.

### Objectives of the department are:

- To promote the institutional growth through research.
- To create human capital by running a Ph.D. program on its campus and different centers.
- To instill a culture of research and improve the institutional environment for all, i.e., faculty, scholars, and students.
- To establish research centers with a center of excellence.
- To disseminate the outcome of the research work through the publication of papers in the indexed journals with impact factor.
- To earn patents from research output.
- To attract funds from Government as well as from private organizations for research.
- To have local, national and global collaborations in the field of research.
- To develop a problem-solving culture and provide practical solutions to real life problems.
- To commercialize research outputs in the field of process, design, and products.

## DEPARTMENTS OFFERING RESEARCH PROGRAMS (Ph.D) AT IKGPTU CAMPUSES

- Computer Science & Engineering
- Electrical Engineering
- Electronics & Communication Engineering
- Mechanical Engineering
- Civil Engineering
- Architecture
- Food Sciences and Technology
- Chemical Sciences
- Physical Sciences
- Mathematical Sciences
- Management
- Journalism & Mass Communication
- Humanities, Languages & Cultural Studies

## Details of PhD Students in year 2020

In the year 2020, 181 students completed the Ph.D. degree and the number of students pursuing Ph.D. stands 1205. The stream wise details are as follows:

S. No	Active Students		Degrees Awarded	
	Stream	No. of Active Students	Stream	No. of Students Awarded Degrees
1	ENGINEERING & TECHNOLOGY	499	CIVIL ENGINEERING	05
			MECHANICAL ENGINEERING	25
			ELECTRONICS AND COMMUNICATION ENGINEERING	24
			ELECTRICAL ENGINEERING	02
2	MANAGEMENT STUDIES	325	BUSSINES ADMINISTRATION & MANAGEMENT	50
3	APPLIED SCIENCES	192	COMPUTER SCIENCES & EGINEERING	17
			COMPUTER APPLICATIONS	10
			MATHEMATICS	10
			CHEMISTRY	08
			PHYSICS	05
4	PHARMACEUTICAL SCIENCES	125	PHARMACY	19
5	LIFE SCIENCES	28	MEDICAL LAB TECHNOLOGY	
			BIOTECHNOLOGY	03
6	MEDIA & MASS COMMUNICATION	12	MASS COMUNICATION & JOURNALISM	
7	FACULTY & LANGUAGES	8	PUNJABI	02
8	PLANNING & ARCHITECTURE	6	PLANNING & ARCHITECTURE	01
9	HUMAN VALVUE	6	HUMAN VALUE	
10	ARCHITECTURE	2	ARCHITECTURE	
11	BIOENERGY	2	BIOENERGY	
TOTAL		1205	TOTAL	181

## Year wise list of Ph.D registration and Award of Ph.D degree

Branch	2019		2020		2021	
	Registered	Awarded	Registered	Awarded	Registered	Awarded
ARCHITECTURE		1				1
BIOENERGY		1				
BIOTECHNOLOGY		2		3		
CHEMICAL ENGINEERING			5			1
CHEMISTRY	1	5		8		0
CIVIL ENGINEERING	1	4	1	5		
COMPUTER APPLICATIONS	2	17	2	10		11
COMPUTER SCIENCE & ENGINEERING	8	33	11	17		8
ELECTRICAL ENGINEERING	1	7	4	2		
ELECTRONICS AND COMMUNICATION ENGINEERING	6	23	2	24		3
ELECTRONICS INSTRUMENTATION ENGG.						
ENGLISH		1	1			
FOOD TECH.			3			
GEOLOGY						
HUMAN VALUE		1				2
INFORMATION TECHNOLOGY						
INSTRUMENTATION & CONTROL ENGINEERING						
MANAGEMENT	4	68	4	50		19
MASS COMUNICATION & JOURNALISM	2	1				
MATHEMATICS	9	17	9	10		4
MECHANICAL ENGINEERING	4	19	14	25		6
MEDICAL LAB TECHNOLOGY		1				
PHARMACY	9	14	9	19		6
PHYSICS	2	10	1	5		4
PLANNING & ARCHITECTOR		1		1		1
PUNJABI				2		1
TEXTILE ENGINEERING						
TOURISM AND TRAVEL MANAGEMENT						1
<b>Total</b>	<b>49</b>	<b>226</b>	<b>66</b>	<b>181</b>	<b>0</b>	<b>68</b>

## Total No. of Supervisors in PTU System in 2020: 423

Sr. No	Stream	No. of Supervisors
1.	Architecture	01
2.	Chemical Engineering	02
3.	Chemical Sciences	21
4.	Civil Engineering	17
5.	Computer Applications	13
6.	Computer Science & Engineering	45
7.	Electrical Engineering	12
8.	Electronics & Comm. Engineering	45
9.	English	04
10.	Human Values	01
11.	Journalism & Mass Communication (JMC)	02
12.	Life Sciences (Bio -Tech./ M LT)	10
13.	Management	88
14.	Mathematical Sciences	26
15.	Mechanical Engineering	52
16.	Pharmacy	52
17.	Physical Sciences	22
18.	Punjabi	01
19.	Travel & Tourism Management (TTM)	07
20.	Food Science & Technology	01
21.	Faculty of Science & Humanities	01



## Program Offered for Session 2021-22 at IKGPTU Main Campus

Name of Department	Program Offered	Seats
<b>CIVIL ENGINEERING</b>	B.Tech. (Civil Engineering)	60
<b>COMPUTER SCIENCE &amp; ENGINEERING</b>	B. Tech. (Computer Science & Engineering)	60
	Bachelor of Computer Application	40
<b>ELECTRICAL ENGINEERING</b>	B.Tech. (Electrical Engineering)	60
	M.Tech. (Electrical Engineering) (Power Systems & Renewable Energy)	18
<b>ELECTRONICS &amp; COMMUNICATION ENGINEERING</b>	B.Tech. (Electronics & Communication Engineering)	60
	M.Tech. (Electronics & Communication Engineering) (Wireless communication Engineering)	18
<b>MECHANICAL ENGINEERING</b>	B.Tech. (Mechanical Engineering)	60
	M. Tech. - Mechanical (Manufacturing Engineering and Automation)	18
<b>FOOD SCIENCE &amp; TECHNOLOGY</b>	Bachelor of Science-Honours (Food Technology)	30
	Master of Science (Clinical Research)	10
	Master of Science (Food Technology)	25
<b>CHEMICAL SCIENCES</b>	Bachelor of Science-Honours (Chemistry)	45
	Master of Science (Chemistry)	25
<b>PHYSICAL SCIENCES</b>	Bachelor of Science-Honours (Physics)	30
	Master of Science (Physics)	25
<b>MATHEMATICAL SCIENCES</b>	Bachelor of Science-Honours (Mathematics)	30
	Master of Science (Mathematics)	25
<b>JOURNALISM &amp; MASS COMMUNICATION</b>	Bachelor of Arts (Journalism and Mass Communication)	25
	Master of Arts (Journalism and Mass Communication)	25
	M.Phill. (Journalism and Mass Communication)	10
<b>HOTEL MANAGEMENT</b>	Bachelor of Hotel Management & Catering Technology (UGC)	60
	Diploma in Food & Beverage Service	30
<b>MANAGEMENT STUDIES</b>	Bachelor of Business Administration	45
	Master of Business Administration	60
<b>HUMANITIES, LANGUAGES AND CULTURAL STUDIES</b>	M.Phill. (English)	04
	M.Phill. (Punjabi)	04

## FEE STRUCTURE OF VARIOUS COURSES OF IKGPTU MAIN AND CONSTITUENT CAMPUSES FOR SESSION 2021-22

### B.TECH

Sr. No.	Content	1st Semester	2nd Semester	3rd/5th/7th Semester	4th/6th/8th Semester
1.	Tuition Fee	30,000	30,000	30,000	30,000
2.	Development Fund	4,300	4,300	4,300	4,300
3.	Student Related Fee	2,700	2,700	2,700	2,700
4.	Security (Refundable)	8000			
5.	Other Fee	1,600			
6.	University Related Fee	1,150		550	
7.	Examination Fees	1000	1000	1000	1000
8.	Addmission Processing Fee	2000			
	TOTAL FEE	50,750	38,000	38,550	38,000

### B.TECH (LATERAL ENTRY)

Sr. No.	Content	3rd Semester	4th Semester	5th/7th Semester	6th/8th Semester
1.	Tuition Fee	30,000	30,000	30,000	30,000
2.	Development Fund	4,300	4,300	4,300	4,300
3.	Student Related Fee	2,700	2,700	2,700	2,700
4.	Security (Refundable)	8000			
5.	Other Fee	1,600			
6.	University Related Fee	1,150		550	
7.	Examination Fees	1000	1000	1000	1000
8.	Addmission Processing Fee	2000			
	TOTAL FEE	50,750	38,000	38,550	38,000

### BHMCT (Bachelor of Hotel Management & Catering Technology)

Sr. No.	Content	1st Semester	2nd Semester	3rd/5th/7th Semester	4th/6th/8th Semester
1.	Tuition Fee	15,500	15,500	15,500	15,500
2.	Development Fund	4,300	4,300	4,300	4,300
3.	Student Related Fee	2,700	2,700	2,700	2,700
4.	Security (Refundable)	8000			
5.	University Related Fee	1,150		550	
6.	Examination Fees	1000	1000	1000	1000
7.	Admission Processing Fee	2000			
8.	TOTAL FEE	34,650	23,500	24,050	23,500

### B.ARCHITECTURE

Sr. No.	Content	1st Semester	2nd Semester	3rd/5th/7th/9th Semester	4th/6th/8th/10th Semester
1.	Tuition Fee	30,000	30,000	30,000	30,000
2.	Development Fund	4,300	4,300	4,300	4,300
3.	Student Related Fee	2,700	2,700	2,700	2,700
4.	Security (Refundable)	8000			
5.	Educational Tour/Conference	500	500	500	500

Sr. No.	Content	1st Semester	2nd Semester	3rd/5th/7th/9th Semester	4th/6th/8th/10th Semester
6.	University Related Fee	1,150		550	
7.	Examination Fees	1000	1000	1000	1000
8.	Admission Processing Counselling Fee	2000			
	TOTAL FEE	49,650	38,500	39,050	38,500

### BBA/BCA

Sr. No.	Content	1st Semester	2nd Semester	3rd/5th Semester	4th/6th Semester
1.	Tuition Fee	15,500	15,500	15,500	15,500
2.	Development Fund	1250	1250	1250	1250
3.	Security (Refundable)	3000			
4.	Other Fee	1975	1975	1975	1975
5.	University Related Fee	1,150		550	
6.	Examination Fees	1000	1000	1000	1000
7.	Admission Processing Fee/ Counselling Fee	2000			
	TOTAL FEE	25,875	19,725	20,275	19,725

### B.Sc. (HONS.) / BA (ALL STREAMS) / B.Sc. (Architecture Basics)

Sr. No.	Content	1st Semester	2nd Semester	3rd/5th/7th Semester	4th/6th/8th Semester
1.	Tuition Fee	9,500	9,500	9,500	9,500
2.	Development Fund	1250	1250	1250	1250
3.	Student Related Fee	1250	1250	1250	1250
4.	Security (Refundable)	3000			
5.	University Related Fee	1150		550	
6.	Examination Fees	1000	1000	1000	1000
7.	Admission Processing Fee/ Counselling Fee	2000			
	TOTAL FEE	19,150	13,000	13,550	13,000

### M.TECH / M.ARCH / M.PLANNING

Sr. No.	Content	1st Semester	2nd Semester	3rd Semester	4th Semester
1.	Admission / Registration Fee	5,000			
2.	Tuition Fee	30,000	30,000	18,000	10,000
3.	Development Fund	4,000	4,000	4,000	4,000
4.	Security (Refundable)	5000			
5.	Other Fee			10,000	
6.	University Related Fee	1,150		550	
7.	Examination Fees	1000	1000	1000	1000
8.	Admission Processing Fee / Counselling Fee	2000			
	TOTAL FEE	48,150	35,000	33,550	15,000

## MCA

Sr. No.	Content	1st Semester	2nd Semester	3rd/5th Semester	4th/6th Semester
1.	Tuition Fee	30,000	30,000	30,000	30,000
2.	Development Fund	4,300	4,300	4,300	4,300
3.	Student Related Fee	2,700	2,700	2,700	2,700
4.	Security (Refundable)	8000			
5.	Other Fee	1,600			
6.	University Related Fee	1,150		550	
7.	Examination Fees	1000	1000	1000	1000
8.	Admission Processing Fee / Counselling Fee	2000			
	<b>TOTAL FEE</b>	<b>50,750</b>	<b>38,000</b>	<b>38,550</b>	<b>38,000</b>

## MBA

Sr. No.	Content	1st Semester	2nd Semester	3rd Semester	4th Semester
1.	Tuition Fee	30,000	30,000	30,000	30,000
2.	Development Fund	4,300	4,300	4,300	4,300
3.	Student Related Fee	2,700	2,700	2,700	2,700
4.	Security (Refundable)	8000			
5.	Other Fee	1,600			
6.	University Related Fee	1,150		550	
7.	Examination Fees	1000	1000	1000	1000
8.	Admission Processing Fee / Counselling Fee	2000			
	<b>TOTAL FEE</b>	<b>50,750</b>	<b>38,000</b>	<b>38,550</b>	<b>38,000</b>

## M.SC / MA

Sr. No.	Content	1st Semester	2nd Semester	3rd Semester	4th Semester
1.	Tuition Fee	11,000	11,000	11,000	11,000
2.	Development Fund	1,250	1,250	1,250	1,250
3.	Security (Refundable)	5000			
4.	Other Fee	1,975	1,975	1,975	1,975
5.	University Related Fee	1,150		550	
6.	Examination Fees	1000	1000	1000	1000
7.	Admission Processing Fee/ Counselling Fee	2000			
	<b>TOTAL FEE</b>	<b>23,375</b>	<b>15,225</b>	<b>15,775</b>	<b>15,225</b>

## M.PHIL (ALL STREAMS)

Sr. No.	Content	1st Semester	2nd Semester
1.	Tuition Fee	9,000	9,000
2.	Security (Refundable)	5000	
3.	Other Fee	11,000	11,000
4.	Examination Fees	1000	1000
5.	Admission Processing Fee/ Counselling Fee	2000	
6.	University Related Fee	1,150	
	<b>TOTAL FEE</b>	<b>29,150</b>	

## DIPLOMA IN FOOD & BEVERAGE SERVICE

TOTAL FEE - 36,400/- for 1.5 Years  
(Two Semesters + 6 Months Industry)



## SCHOLARSHIP SCHEME (ACADEMIC SESSION 2020-21)

### Category-I

B. Tech (Civil Engineering/Computer Science & Engineering/ Electrical Engineering/ Electronics & Communication Engineering /Mechanical Engineering and any other B. Tech. Courses.

1. Scholarship equivalent to 50% tuition fee will be provided to the candidates who have secured JEE rank less than 50000.
2. Scholarship equivalent to full tuition fee will be provided to the respective university toppers in the qualifying examinations.
3. For University main campus, IKGPTU Scholarship equivalent to 50% tuition fee will be provided to the candidates who have secured more than 90% marks in qualifying examination.
4. For Constituent Campuses of IKGPTU- Scholarship equivalent to 50% tuition fee will be provided to the candidates who have secured more than 80% marks in qualifying examination.

### Category-II

M. Tech. Electrical Engineering (Power System & Renewable Energy) / Computer Science & Engineering/ Electronics & Communication Engineering (Wireless Communication Engineering) Mechanical Engineering/M. Arch/M. Planning and M. Phil. (English/Punjabi/JMQ and any other M. Tech, M. Phil Courses.

Scholarship equivalent to full tuition fee will be provided to the respective university toppers in the qualifying examinations.

### Category-III

B. Arch

Scholarship equivalent to 50% tuition fee will be provided to the candidates who have secured more than 90% marks in qualifying examination (Average of 10+2 % age and NATA %age).

### Category-IV

M.Sc. (Chemistry/Physics/ Mathematical Science /Food Technology /Clinical Research) MBA, MCA. M. A (JMC) and any other PG Courses except category-II above.

1. Scholarship equivalent to full tuition fee will be provided to the respective university toppers in the qualifying examinations.
2. For University Main Campus, IKGPTU, Scholarship equivalent to 50% tuition fee will be provided to the candidates who have secured more than 90% marks in qualifying examination.
3. For Constituent Campuses of IKGPTU Scholarship equivalent to 50% tuition fee will be provided to the candidates who have secured more than 80% marks in qualifying examination.

## Category-V

B.Sc. Hons (Food Technology /Chemistry /Physics / Mathematical Science / Architecture Basics.), BBA, BCA, BHMCT, Diploma in Food Beverage, BA(JMC) Integrated and Dual Degree Courses offered and any other UG Courses.

1. For University Main Campus, I.K. Gujral Punjab Technical University Kapurthala - Scholarship equivalent to 50% tuition fee will be provided to the candidates who have secured more than 90% marks in qualifying examination.
2. For Constituent Campuses of IKGPTU Scholarship equivalent to 50% tuition fee will be provided to the candidates who have secured more than 80% marks in qualifying examination.
3. Scholarship equivalent to full tuition fee will be provided to the respective university toppers in the qualifying examinations.

### General conditions for the continuation of the scholarship in higher semester

1. For the continuation of the scholarship, the student must secure minimum 8 CGPA in each semester without any reappear in any semester.
2. A Student can avail only one scholarship scheme at a time.
3. He / She must have shown good conduct throughout the session.

The above benefits of Scholarship Scheme' applicable to Main Campus, IKGPTU and Constituent Campuses of IKGPTU are extended to Punjab and other State candidates for the academic session 2021-22.

## **FEE REFUND POLICY FOR IKGPTU MAIN CAMPUS, IKGPTU CONSTITUENT CAMPUSES AND AFFILIATED COLLEGES FOR ACADEMIC SESSION 2021-2022 ONWARDS**

All IKGPTU Campuses and affiliated colleges shall follow fee refund (against seats surrendered) guidelines issued by UGC, New Delhi from time to time for UGC/Non - AICTE Courses and fee refund (against seats surrendered) guidelines issued by AICTE from time to time for AICTE Courses.

# UNIVERSITY FACULTY HIGHLIGHTS

Enthusiasm and commitment to teaching are primary characteristics of our faculty. From Engineers to Scientists and Management experts, the faculty leaves no stone unturned to spark your curiosity and challenge you to grow. The University strives to prepare thoughtful leaders and entrepreneurs for the globalized world.

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We are proud to have a lucrative combination of senior, expert faculty members as well as qualified, young, energetic and dedicated faculty. Apart from full time faculty, guest lectures are arranged from academics as well as Industry to complement the efforts of the Campus faculty.

- ❖ Most of the faculty members are PhD degree Holders.
- ❖ The faculty has published research papers in reputed journals and presented their work in top conferences all over the world.

- ❖ The faculty members have authored reference and textbooks with

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# APPLIED SCIENCES





## DEPARTMENT OF PHYSICAL SCIENCES

Department of Physical Sciences is offering Graduate, Post-graduate, and PhD. programs in Physics. The Department has well equipped laboratories in Optics, Mechanics, Electromagnetism and Modern physics for undergraduates, Advanced Electronics, Atomic and Molecular, Nuclear, Condensed matter and Computational physics for graduate and post graduate classes, which allows the students to explore a variety of experiments, thereby helping them in understanding the fundamental aspects of the subject. Postgraduate students get the opportunity to undertake a research project in the thrust areas of research.

Faculty in Department is well qualified, highly motivated, and uses innovative methods to teach. Faculty members participate in the National and International conferences/workshops to update themselves in line with latest developments in their research areas. Besides imparting quality education to the students, the Department hosts various guest lectures, conferences, seminars, faculty development program, etc., regularly. About five-research project worth of 1.5 crores under national/international, collaborations are presently operating in the Department.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B.Sc. (Hons.) - Physics	30	03 years
M.Sc. - Physics	25	02 years
PhD	In all pure and interdisciplinary branches of Physics	

### RESEARCH AREAS

- Condensed Matter Physics
- Nuclear Physics
- High Energy Physics
- Nanomaterials
- Renewable Source of Energy
- Material Science
- Computational Physics

### FACULTY MEMBERS

Name	Designation	Specialisation
Dr Hitesh Sharma	Associate Professor and Head	Material Science and Nanotechnology
Dr. Amit Sarin	Professor	Renewable Energy
Dr. Maninder Kaur	Assistant Professor	Experimental Nuclear Physics
Dr. Varinderjit Singh	Assistant Professor	Experimental Nuclear Physics
Dr. Neetika	Assistant Professor	Theoretical High Energy Physics

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Research Publications in International Journals: 102
- Research Publications in National Journals: 94
- Paper Presentations in International Conferences: 13
- Paper Presentations in National Conferences: 23
- Research Scholars Guided: 27
- Projects Undertaken by Faculty: 05
- Research Scholars Guiding (PhD): 07
- Books/Book Chapters Published: 17

## PROJECTS UNDERTAKEN BY FACULTY\*

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co Principal Investigator
"Ab initio investigation of catalytic effect of carbon nanostructures on complex metal hydride"	11.42 lakhs	DST	Dr. Hitesh Sharma
"Tuning Graphene Nanostructures for Gas Sensor"	26 lakhs	CSIR	Dr. Hitesh Sharma
Work on Biodiesel (2012-2015)	27 lakhs	SERB	Dr. Amit Sarin
"To investigate the effect of deformation on nuclear dissipation" (2016-2019)	6.75 lakhs	IUAC	Dr. Maninder Kaur
"Investigation of fusion enhancement for neutron-rich symmetric systems near and below the fusion barrier"		IUAC	Dr. Varinderjit Singh
"The magnetic moments of N* and negative parity resonances" (2013-2016)		SERB	Dr. Neetika
"Diffractive vector meson production at HERA using a holographic AdS/QCD approach" (2018-2021)		SERB	Dr. Neetika

## RECENTLY ORGANIZED EXTRACURRICULAR ACTIVITIES ORGANIZED

- Department organized a webinar series on Recent advances in Material Sciences
  - Lecture 1: "Quantum Dots" by Prof. Ranber Singh, Department of Physics, Sri Guru Gobind Singh College, Chandigarh.
  - Lecture 2: "Correlation effects in One-dimensional Electron Fluid" by Prof. V. Ashokan, Department of Physics, National Institute of Technology, Jalandhar
- Department organised a Webinar Series on Materials Modelling from first principle: Theory and Practice
- Faculty Development Programme (FDP) on "Recent Advances in Nanostructured Materials" organised by Department of Physical Sciences, IKGPTU in collaboration with National Institute of Technical Teachers Training and Research, Chandigarh (January 13-17, 2020).
- Guest lectures by Dr. Ritwik Kavathekar Senior field application Scientist, Dassault systems, Bangalore on Material Studio software.
- Guest lecture by Dr. Inderpreet Kaur, Senior Scientist from CSIO, Chandigarh on her research work related to Nano-Physics.
- Guest Lecture on "Study of exotic nuclei and their applications to nuclear astro physics" by Dr. Shubh chintak, Research Associate, Department of Physics and Astronomy, Texas University, USA.
- Students participated in one day seminar on World Wetlands day and visited Harike Wetland.
- Science fair was jointly organized by the Department of Physical Sciences, Chemical Sciences & Mathematical Sciences. The aim of Science Fair was to motivate students to contribute to the country's development through Technology.

## SOME OF THE RECENT ACHIEVEMENT BY FACULTY

1. Dr. Hitesh Sharma delivered invited lecture in: National Seminar on *Recent Developments in Condensed Matter Physics* (RDCMP), at Punjab Engineering College (Deemed to be University), Chandigarh-160012 on 16th November, 2019; Short Term Course on "Smart Materials & Nanotechnology" organized by the Department of Basic & Applied Sciences, Punjabi University Patiala in collaboration with NITTTR Chandigarh from 2nd Dec to 6th Dec, 2019; DBT start status scheme at Department of Physics, Doaba College, Jalandhar; FDP on "*Recent Advances in Nanostructured Materials*" organized by the Department of Physical Sciences, IKGPTU in collaboration with NITTTR Chandigarh from 13- 17<sup>th</sup> Jan, 2020.
2. Dr. Amit Sarin received Outstanding Reviewer Certification from Journal "Fuel" of Elsevier, delivered Invited lecture at Summer School in Material Science/Basic Sciences at GNDU Amritsar.
3. Dr. Maninder Kaur successfully attended Summer School in Material/Basic Sciences (ID) at UGC-HRDC, GNDU, Amritsar.
4. Dr. Varinderjit Singh participated in 119th Orientation Course at UGC-HRDC, Panjab University, Chandigarh and summer school at UGC-HRDC, Panjab University, Chandigarh.
5. Dr. Varinderjit Singh appointed as Visiting Faculty at Department of Chemistry, Indiana University, USA from 06/01/2020 for one year.
6. Dr. Neetika participated in National Conference on Non Linear Phenomena in Physics organized at Department of Physics, Guru Nanak Dev University, Amritsar, attended GOC at UGC-HRDC, GNDU, Amritsar from 13 November- 03 December, 2020 and TEW-Computational Methods for Solving Differential Equations (2019) at I. K. Gujral Punjab Technical University, Jalandhar (25-30 Dec 2019).
7. Dr. Neetika participated Two week online Refresher Course Winter School (Engineering Science) conducted by UGC-HRDC, Guru Nanak Dev University, Amritsar.
8. Dr. Neetika participated in online short term course on "Advances in High Energy Physics" organised by Department of Physics, National Institute of Technology, Jalandhar.

## AWARD/ ACHIEVEMENTS OF STUDENTS

1. Mr. Nikhil Bhathi, selected for Ph.D. program in Saint Mary's University, Canada.
  2. Mr. Harshvardhan, selected as Research Fellow at BARC center at New Delhi.
  3. Ms Gurpreet Kaur won First Prize in Poster Making Competition, World Wetlands Day.
  4. Ms Savleen Kaur got Third Prize in Singing Competition in BurnOut 2019.
  5. Mr Vivek won First Prize in Dance Open Mic + Stage.
  6. Nikhil Attended Detector Testing Training at Inter University Accelerator Centre, New Delhi.
  7. Mr. Gurcharan Singh, Mr. Jasjeet Singh and Mr. Manas Sharma won 2<sup>nd</sup> position in Quiz in Science FEST in Science Fest.
- Mr. Vivek qualified Ph.D. entrance exam of PTU and joined Ph.D. under supervision of Dr. Hitesh Sharma.

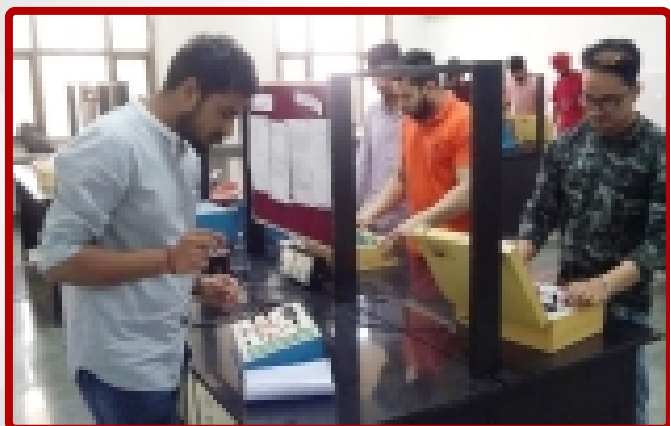
## STUDENT PLACEMENTS

Student Name	Company	Package Offered
Dr. Deepak Agnihotri, Ph.D.	Faculty, RBU, Mohali	5.0 to 8.0 Lakhs
Dr. Arun Upmanu, Ph.D.	Faculty, CU, Chandigarh	5.0 to 8.0 Lakhs
Dr. Sandeep Kumar, Ph.D.	Faculty, Govt. College Ambala	5.0 to 8.0 Lakhs
Dr. Meenakshi, Ph.D.	Faculty, KMV, Jalandhar	4.0 to 6.0 Lakhs
Mr. Harshvardhan, M.Sc.	Scientist, BARC centre, New Delhi	3.0 Lakhs

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Ms. Gurpreet Kaur	First Prize in Poster Making Competition	World Wetlands Day	February, 2019
Ms. Savleen Kaur	Third Prize in Singing Competition	Burnout 2019	March, 2019
Mr. Gurcharan Singh	2nd position in Quiz in Science FEST	Science FEST	April, 2019
Mr. Jasjeet Singh	2nd position in Quiz in Science FEST	Science FEST	April, 2019
Mr. Manas Sharma	2nd position in Quiz in Science FEST	Science FEST	April, 2019

## DEPARTMENT LABORATORIES

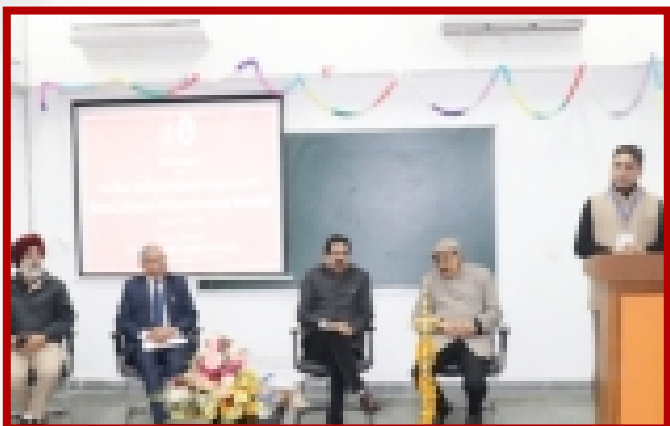


*M.Sc. Physics Students Performing Experiments in Advance Electronics Laboratory*



*M.Sc. Physics Students Solving Numerical Problems Using Simulation in Computational Physics Laboratory*

## EVENTS ORGANISED/STUDENT ACTIVITIES



*Dr. Hitesh Sharma, HOD, Department of Physical Sciences welcoming the participants during the FDP on "Recent Advances in Nanostructured Materials"*



*Group photo with HOD's, Experts and students during FDP on "Recent Advances in Nanostructured Materials"*





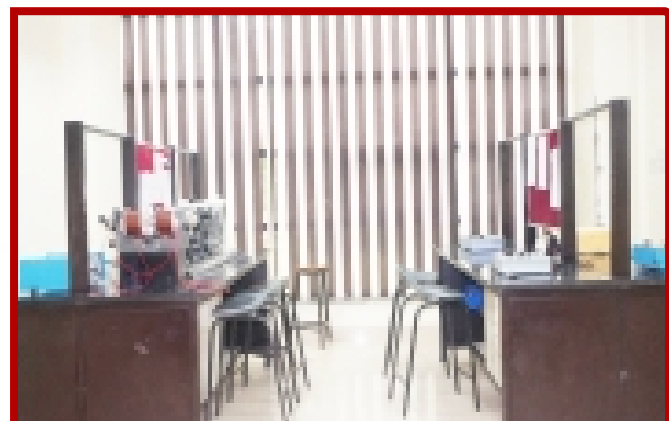
*Lamp lighting ceremony by Hon'ble Vice Chancellor Dr. Ajay Kumar Sharma during the Faculty Development Programme (FDP) on "Recent Advances in Nanostructured Materials" (January 13-17, 2020) organised by Department in collaboration with National Institute of Technical Teachers Training and Research, Chandigarh.*



*Group photo with Hon'ble Vice Chancellor, Invited speakers, HoD's, Participants, organisers and members during FDP on "Recent Advances in Nanostructured Materials"*



*Department Faculty and Staff*



*Atomic Physics Laboratory*



*Computational Physics Laboratory*



*Expert lecture on material simulation*

## DEPARTMENT OF CHEMICAL SCIENCES

Department of Chemical Sciences at I. K. Gujral Punjab Technical University strives to achieve excellence in research and teaching in Chemistry. The Department has well-furnished and centrally air conditioned classrooms and laboratories. The laboratories are utilized for the day to day practical course work of the students. The faculty is well qualified and motivated with a strong commitment

to research which is reflected in the sanctioned projects sponsored by the Ministry of Human Resource Development, Department of Science and Technology, Department of Atomic Energy, and many other organizations.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. Sc. (Hons.) - Chemistry	45	03 years
M. Sc. - Chemistry	25	02 years
PhD - Chemistry	As per University Norms	

### RESEARCH AREAS

- Analytical Chemistry
- Organic Synthesis
- Environmental Chemistry
- Biochemistry
- Photochemistry
- Nanomaterials
- Supramolecular Chemistry
- NMR Methodology
- Medicinal Chemistry

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Gaurav Bhargava	Professor & Head of Department Dean (R & D)	19 years	Organic Chemistry/ Medicinal Chemistry
Dr. Chander Prakash	Assistant Professor	17 years	Environmental Sciences/ Biology
Dr. Vandana Naithani	Assistant Professor	15 years	Environmental Sciences
Dr. Rupesh Kumar	Assistant Professor	13 years	Organic Chemistry/ Photochemistry
Dr. Roopa	Assistant Professor	07 years	Organic Chemistry/ Supramolecular Chemistry
Dr. Reshu Sanan	Assistant Professor	09 years	Physical/ Analytical Chemistry

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 48
- Paper Presentations in International Conferences: 25
- Books/Book Chapters Published : 02
- Projects Undertaken by Faculty: 03
- Research Scholars Guiding (Ph.D.): 09
- Research Publications in National Journals: 15
- Research Publications in International Journals: 123
- Patents: NIL
- Research Scholars Guided (M.Sc.): 49
- Research Scholars Guided (PhD): 03

DEPART

## PROJECTS UNDERTAKEN BY FACULTY

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co-Principal Investigator
Transition metal catalysed inter-/ intra molecular cycloaddition reactions of methylene-& vinyl cyclo propanes: Synthesis of bi-/tricyclic systems	22 lakhs	Board of Research in Nuclear Sciences (BRNS)	Dr. Gaurav Bhargava
Synthesis, cycloaddition, biological evaluation and synthetic transformations of mono-/polycyclic-b-lactams	23 lakhs	Department of Science and Technology (DST)	Dr. Gaurav Bhargava
Fluorescence detection of activity and inhibition of histone deacetylases	29.12 lakhs	SERB, Department of Science and Technology (DST)	Dr. Roopa

## STUDENT PLACEMENTS

Student Name	Company	Package Offered
Raman Dhall (M.Sc.)	Research Chemist at Spharea Pharmaceuticals Inc.	3 Lakhs per Annum
Yogesh Kumar (PhD)	Post-Doctoral Associate in Durham University, UK	36000 Pound per Annum
Bilash Kuila (PhD)	Senior Research Scientist at Augens Pharmaceuticals Inc.	13 Lakhs per Annum
Bhuvesh (M.Sc.)	Research Chemist at Transtational Health Research Institute, New Delhi	3 Lakhs per Annum

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Ankit (M.Sc.)	Best Poster Award	National Conference	Feb, 2019
Ritika Sharma (M.Sc.)	Summer intern at Transtational Health Research Institute, New Delhi	Summer internship	Jan-June, 2018
Deeksha (M.Sc.)	Summer intern at Transtational Health Research Institute, New Delhi	Summer internship	Jan-June, 2018

## DEPARTMENT LABORATORIES



*Inorganic Chemistry Laboratory*



*Engineering Chemistry Laboratory*



*Organic Chemistry Laboratory*



*Physical Chemistry Laboratory*

## EVENTS ORGANISED/STUDENT ACTIVITIES



*Poster Making Competition*



*Rangoli Competition*



*Diwali celebrations in the Department*



*Visit of MSc students at Harike Pattan on Wetlands day*



*Expert Talk by Dr. Onkar Singh (from Punjabi University, Patiala) on Wetlands day*



*Faculty welcomes Dr. Vandana Bhalla (from GNDU, Amritsar) for an Expert Talk*

## DEPARTMENT OF MATHEMATICAL SCIENCES

Department of Mathematical Sciences is offering undergraduate, Post Graduate and Doctoral Programs in Mathematics. A comprehensive curriculum has been designed to groom the students into qualitative scientific manpower. Elective subjects are provided to students enabling them to enhance mathematical skills. Faculty members of the department are highly talented and

update themselves by active participation in national and international conferences. Department has computational laboratory and latest Computer Algebra Systems (CAS): MATLAB, MATHEMATICA and MAPLE.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. Sc. (Hons.) - Mathematics	30	03 years
M. Sc. - Mathematics	25	02 years
PhD - Mathematics	As per University Norms	As per University Norms

### RESEARCH AREAS

- Continuum Mechanics
- Numerical Analysis
- Information Theory
- Number Theory
- Wavelet Theory

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Ashish Arora	Associate Professor & Head of Department	20 years	Continuum Mechanics
Dr. Rajesh Narula	Assistant Professor	24 years	Information Theory
Dr. Gurjinder Singh	Assistant Professor	08 years	Numerical Analysis
Dr. Megha Goyal	Assistant Professor	07 years	Number Theory

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 40
- Paper Presentations in International Conferences: 10
- Books/Book Chapters Published: 04
- Projects Undertaken by Faculty: 04
- Research Scholars Guiding (PhD): 12
- Research Publications in National Journals: 05
- Research Publications in International Journals: 55
- Research Scholars Guided M.Phil : 06
- Research Scholars Guided (PhD): 07



## PROJECTS UNDERTAKEN BY FACULTY

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co-Principal Investigator
Wave propagation in Porous Media	03 lakhs	Department of Science and Technology	Dr. Ashish Arora
Waves in composite solid matrix saturated by multiple fluids	20 lakhs	Council of Scientific and Industrial Research	Dr. Ashish Arora
Mathematical and Philosophical foundations of ancient Indian Yantras	02 lakhs	Indian council of Philosophical	Dr. Ashish Arora
New Numerical Schemes to solve initial value systems of ordinary differential equations	05 lakhs	TEQIP-II	Dr. Gurjinder Singh

## STUDENT PLACEMENTS

Student Name	Company
Dr. Abhishek Painuly - Research Fellow	Post-doctoral candidate at the department of Marine Geosciences, University of Haifa, Israel
Dr. Mandev Singh	Appointed as a faculty of business administration, University of Yorkville, Canada

## DEPARTMENT LABORATORY



*Numerical Simulation Lab*

## EVENTS ORGANISED/STUDENT ACTIVITIES



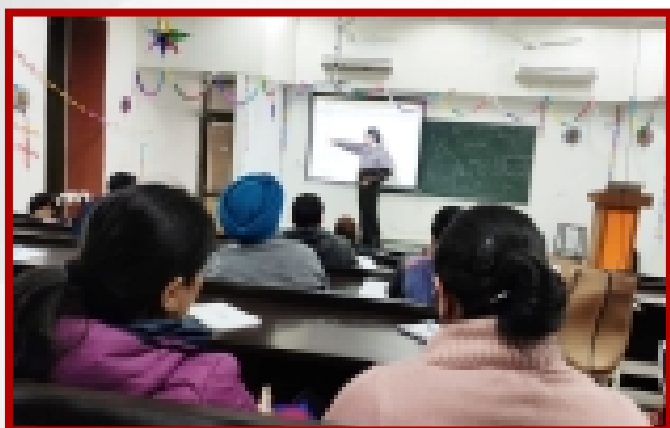
*Expert Talk by Prof. Manorajan Mishra from IIT Ropar*



*Faculty members along with Prof. Manorajan Mishra*



*Students performing in various events*



*Department organized Teacher Enrichment Workshop on Computational Methods for Solving Differential Equations Sponsored by National Centre of Mathematics jointly with IIT Bombay and TIFR*



*FDP Program organized by Department*



*Department Faculty and Staff*

# ENGINEERING



## DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering is the oldest discipline dating back from 4000 B.C to 2000 B.C since the inception of Indus valley Civilization to Great Pyramids in Egypt. Its having a major role in the evolution of mankind. The Department offers under Graduation, Post graduate and Research program in Civil Engineering. The B. Tech course in Civil Engineering emphasises various aspects of construction, design and development of buildings, highways, Metro and Smart cities. Interactive teaching with on- site exposure is provided in order to enable the students to apply their knowledge learnt in the classroom to construction projects. Department regularly organizes

guest lectures by experts from industry, academic; research institutions. Department encourages students to work for sustainable as well as development of society and nation. The Department emphasises on learning and upgradation of various technical and professional skills with up-to-date software training and has well-established labs with advance software such as STAAD PRO, AutoCAD, etc. with unlimited licences.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. Tech. - Civil Engineering	60	04 years
M. Tech. - Civil Engineering (with Specialisation in Structural Engineering)	18	02 years
PhD	As per University Norms	

### RESEARCH AREAS

- Ground Improvement
- Geo Environmental Engineering
- Soil Liquefaction
- Utilisation of waste in Highway
- Subgrade Improvement
- Use of Geosynthetics
- Numerical Modelling
- Urban Planning
- Architecture

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Rajiv Chauhan	Associate Professor & Head of Department	16 years	Geotechnical Engineering
Ar. Md. Fuzail Jawaid	Assistant Professor	05 years	Architecture & Urban Planning

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences:0
- Paper Presentations in International Conferences:14
- Books/Book Chapters Published:01
- Projects Undertaken by Faculty:0
- Research Scholars Guiding (PhD):03
- Research Publications in National Journals:04
- Research Publications in International Journals:16
- Patents:0
- Research Scholars Guided:04
- Research Scholars Guided (PhD):0

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Pankaj Kumar	1 <sup>st</sup> prize	Mega Quiz organized by PCET, Ludhiana	Oct, 2019
Satyam Pandey	Winning Captain	Intra University IKGPTU Cricket Tournament 2019	Oct, 2019

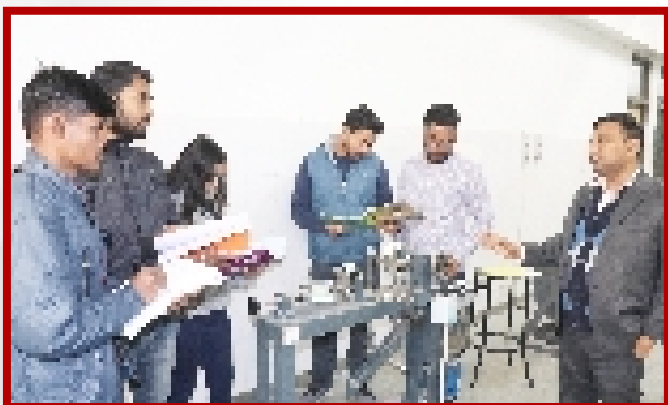
## DEPARTMENT LABORATORIES



*Computer Lab*



*Environment Lab*



*Geotechnical Lab*



*Environment Lab*



*Concrete Lab*



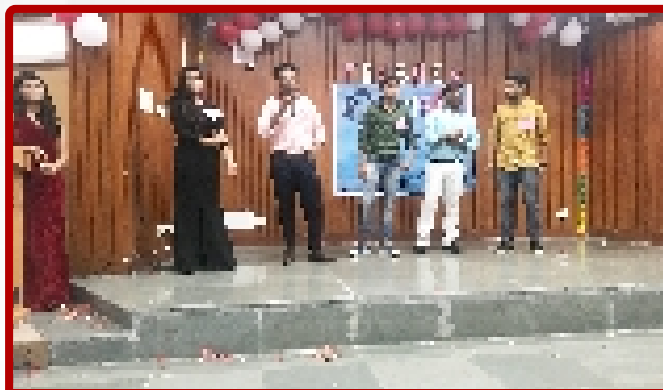
*Surveying Lab (Field Work)*



## EVENTS ORGANISED/STUDENT ACTIVITIES



*Training for STAAD PRO Software*



*Fresher's 2019*



*CAD Competition*



*Model Making Competition on Engineers' Day*



*Site Visit for learning the Foundation Design*



*Quiz Contest by CIVILIA- the Civil Engineering Society, IKGPTU*



*Department Faculty and Staff*

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

In line with the humungous contributing potential of Computer Science and Engineering in present era, CSE Department is offering Bachelor of Engineering degree in Computer Science and Engineering (CSE). The Department has always been on a high growth path aligned to cater the current need of the discipline and region, the department has started Bachelors of Computer Applications (BCA). Department is also

research fad and is hence offering Doctor of philosophy (PhD) in Computer Science Engineering. The department's many strengths include its high faculty-to-student ratio, state of the art facilities, renowned doctorate faculty, strong focus on classroom-based education honed with leading-edge practical approach, research orientation, and emphasis on leadership, service, and ethics.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. Tech. - Computer Science & Engineering	60	04 years
BCA	40	03 years
PhD	As per University Norms	As per University Norms

### RESEARCH AREAS

- Information Security, Cryptography and Security Engineering
- Cloud Computing
- Soft Computing
- Pattern Recognition
- Machine Learning
- Computer Networks
- Image and Video Processing
- Computational Intelligence
- Big Data Analytics

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Professor (Dr) Monika Sachdeva	Professor and Director IKGPTU Mohali Campus-I	21 years	Network Security
Dr Dinesh Gupta	Assistant Professor	9 years	Big Data, Cloud Computing
Dr. Raman Kumar	Assistant Professor and Incharge	14 years	Information Security, Cryptography and Security Engineering
Dr. Anshu Bhasin	Assistant Professor	19 years	Computer Networks, Cloud Computing
Dr. Pooja	Assistant Professor	12 years	Digital Image Processing, Pattern Recognition, CBIR

## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 17
- Paper Presentations in International Conferences: 53
- Books/Book Chapters Published: 19
- Research Scholars Guiding (PhD): 6
- Research Publications in National Journals: 03
- Research Publications in International Journals: 111
- Research Scholars Guided (M.Tech.): 22
- Research Scholars Guided (PhD): 6

## PROJECTS UNDERTAKEN BY FACULTY

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co-Principal Investigator
Experimental Testbed for Validation of Network Layer Attacks in Wireless Sensor Networks	Rs. 22.69 lakhs	Department of Science & Technology, New Delhi	Dr. Monika, Mentor Scientist
Modernization of Networking Lab	Rs. 8.5 lakhs	AICTE	Dr. Monika, Principal Investigator

## STUDENT PLACEMENT INFORMATION

Student Name	Company	Package Offered
Apoorv	Jaro Education, Cognizant, Mphasis	12.00 LPA
Mehul,	Cognizant, Sopra Steria, Mphasis	4.00 LPA
Monika	Cognizant, Zapbuild technologies	4.00 LPA
Sunil	Cognizant, Mphasis	4.00 LPA
Komal	TCS, Grazitti Interactive	3.36 LPA
Saransh	Wipro technologies, Grazitti Interactive	3.50 LPA
Ravish	Wipro technologies, Grazitti Interactive Infosys Ltd.	3.50 LPA
Shilpa	Infosys Ltd., Zapbuild technologies	3.60 LPA
Srishty	Infosys Ltd., Grazitti Interactive, EcoOceana Tech	4.60 LPA
Sourav	Infosys Ltd., Grazitti Interactive	3.60 LPA
Arshvir	Infosys Ltd., Grazitti Interactive	3.60 LPA
Hardik	Infosys Ltd., SmartData Enterprise India Ltd.	3.60 LPA
Rishav	Grazitti Interactive	3.12 LPA
Shivam	Zapbuild technologies	2.40 LPA
Ankit	SmartData Enterprise India Ltd.	10K pm Stipend as intern
Sonu	EcoOceana Tech	2.6 LPA

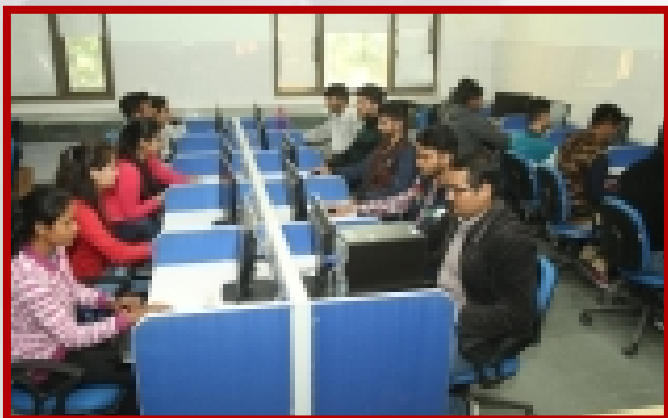
## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
12 Students earned HCIA certification	HCIA Certified	HCIA Certification Exam	Nov, 2019
Ankit Gautam Sunil Kumar Robin Kumar	2nd at National Level in HUAWEI Competition	HUAWEI ICT Skill India competition	Feb, 2020
Manjinder Singh	2 <sup>nd</sup> position among 30 teams at Pushpa Gujral Science City	Project Display Software Category	Apr, 2019
Aditya Sharma	Pre-quarter finalist represented IKGPTU	Inter-university lawn tennis tournament at DCR Murthal, Haryana	Nov, 2019
Ankur Raj Singh	2 <sup>nd</sup> position in Quiz	Central Zone Youth Fest, IKGTPU	Oct, 2019
Namish Guglani	2 <sup>nd</sup> prize in poster making, 3 <sup>rd</sup> prize in poster making	Zonal youth festival, Inter zonal Youth Festival	Oct, 2019 Nov, 2019
Muskan Kalra	Head Girl Coordinator cum Organiser	All India NSS 7 Days Camp	Mar, 2019
Simranjit Bhumbla	Head Boy Coordinator venue and event handling	All India NSS 7 Days Camp	Mar, 2019
Damini	3 <sup>rd</sup> position in Chess	Inter College Chess Tournament	Aug, 2019
Kushal, Bhuvan Sharma	1 <sup>st</sup> prize	Rs. 200 Venture competition E-week	Sept, 2019
Bhuvan Sharma	3 <sup>rd</sup> prize	Computer Quiz, Tech Fest, DAVIET, Jalandhar	Mar, 2019
Himanshu Sharma	1 <sup>st</sup> Position	Extempore- Engineers' Day	Sept, 2019
Dheeraj Kumar Sanger, Arvind Yadav	3 <sup>rd</sup> Position	Website Designing- Engineers' Day	Sept, 2019

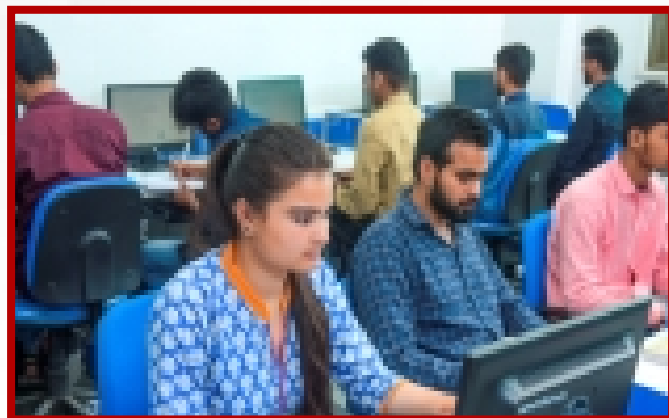
## DEPARTMENT LABORATORIES



*Programming Lab*



*Research Lab*



*Data Science Lab*

## EVENTS ORGANISED/STUDENT ACTIVITIES



*Two Days' workshop on "Aneka"*



*Workshop on Crowdsourcing Google by Mr. Ekant Puri*



*Fresher's Party organised by CSE Department*



*Student of CSE Department in Inter College Youth Fest*

## EVENTS ORGANISED/STUDENT ACTIVITIES



*Inauguration ceremony Huawei ICT Competition 2019-2020 by Honourable Vice Chancellor*



*Dr. Raman Kumar received Best Tutor Award by Honourable Vice Chancellor*

## DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering was established in 2016 when the university started its own teaching campus. Faculty of the department have their expertise in thermal engineering, fluid mechanics, thermal spray coatings, bio-ceramic coatings, non-conventional machining processes and more. The department has well-equipped laboratories related to basic, core and advanced subjects of mechanical and

allied engineering courses. Currently this department is headed by Dr. Neel Kanth Grover (Professor), with an experience of more than twenty-five years of teaching and research.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. Tech. (Mechanical Engineering)	60	04 years
M. Tech. - Mechanical (Manufacturing Engineering and Automation)	18	02 years
PhD	As per University Norms	As per University Norms

### RESEARCH AREAS

- Thermal Engineering
- Computational Fluid Dynamics
- Reliability
- Biomaterials
- Super alloys
- Surface Coatings
- Laser Cladding, Welding
- Surface Engineering
- Thermal Spray Coatings
- Advanced Manufacturing
- Advanced Materials
- Welding
- Conventional Machining
- Non-conventional Machining
- Wear, Erosion
- Microwave Processing of Materials
- Supply chain management



## FACULTY MEMBERS

Teaching faculty of the department are alumni of institutes of repute with average experience of twenty years of teaching and research. The faculty of the department hold various additional responsibilities like Dean (Academics), Director, Dean (Student welfare), Hostel warden. Following are some outcomes of research undertaken by faculty and students of the department:

Name	Designation	Experience	Specialisation
Dr. Vikas Chawla	Professor Dean (Academics) Director, Main Campus	21 years	Surface Engineering, Friction Welding, Corrosion Engineering
Dr. Neel Kanth Grover	Professor & Head of Department Dean (Student Welfare)	24 years	Fluid and Thermal Engineering
Dr. Deepak Kumar Goyal	Assistant Professor	16 years	Mechanics and Machine Design
Dr. Jujhar Singh	Assistant Professor	18 years	Conventional and Non-Conventional Machining, Composites
Dr. Amoljit Singh Gill	Assistant Professor	07 years	Engineering Graphics and Solid Mechanics
Dr. Vivek Aggarwal	Assistant Professor	24 years	Conventional and Non-Conventional Machining, Superalloys
Dr. Manoj Mittal	Assistant Professor	23 years	Fluid, Thermal and Manufacturing
Dr. Amit Bansal	Assistant Professor	08 years	Production and Materials Engineering
Dr. Tarun Goyal	Assistant Professor	19 years	Surface Engineering, Materials Science and Advanced Manufacturing Processes

## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- More than 350 papers in journals of repute
- 100+ M. Tech. Dissertations
- 235+ publications in conferences
- 25 completed PhDs and similar number ongoing
- 70+ books and book chapters
- 5 patents
- 2 Ongoing Projects



*Instruments and equipment in the laboratories*



*Competition on the eve of Engineers day*



FDP held in Department: From top left corner clockwise: Dr. Buta Singh Interacting with delegates; Dr. Grover and Dr. Jujhar Singh honouring to Dr. Pradeep Kumar (IITR); Dr. Bansal, Dr. Aggarwal and Dr. Jujhar Singh honouring Dr. Gill (PEC, Chd); Dr. Grovar and Dr. Brar facilitating Dr. Satya Prakash (IITR) and Dr. Brar, Dr. Grover along with Dr. Amoljit distributing participation certificates to delegates



Dr. Harpreet Singh (IITR) interacting with students and faculty of the department in laboratories during their visit to Indian Institute of Technology Ropar, Roopnagar, Punjab

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department offers Undergraduate, Postgraduate and Doctoral Program in Electronics and Communication Engineering. The Department has strong research programmes leading to Ph.D. degree in all the areas of Electronics and Communication Engineering. In addition to the well-equipped curriculum-related laboratories, the Department has many state of the art facilities for assisting research and development. The Department has dedicated PhD qualified faculty having vast

experience of teaching, conducting and guiding research scholars in various sub-domains of Electronics and Communication Engineering. The Department enthusiastically facilitates the students and Research scholars in the latest research know-how and exposure in these field and allied subjects. Department has many publications to its name in the reputed International (SCI/SCOPUS etc)& National Journals/Conferences and filed as well as granted Patents.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. Tech. (Electronics & Communication Engineering)	60	04 years
M.Tech. (Electronics& Communication Engg.) (Wireless Communication Engineering)	18	02 years
PhD	As per University Norms	As per University Norms

### RESEARCH AREAS

- Wireless Communication
- Embedded Systems
- VLSI
- Soft Computing
- Applied Soft Computing
- Antenna Engineering
- Optical Communication
- Microwave Communication
- Digital Signal Processing

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Avtar Singh Buttar	Associate Professor & Head of Department	29 years	Wireless Communication, Soft Computing
Dr. Satvir Singh	Associate Professor & Dy. Dean (Engineering) Chief Warden	21 years	Applied Soft Computing & VLSI
Dr. Dalveer Kaur	Assistant Professor	12 years	VLSI, Microwave and Wireless Communication
Dr. Rakesh Goyal	Assistant Professor	12 years	Optical and Wireless Communication
Dr. Amit Gupta	Assistant Professor	19 years	Optical and Wireless Communication
Dr. Rakesh Kumar	Assistant Professor	20 years	Evolutionary Algorithms, Mobile Ad Hoc Networks

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 44
- Paper Presentations in International Conferences: 74
- Books/Book Chapters Published: 11
- Projects Undertaken by Faculty: 09
- Research Scholars Guiding (PhD): 22
- Research Publications in National Journals: 15
- Research Publications in International Journals: 218
- Patents: 05
- Research Scholars Guided (M.Tech.): 94
- Research Scholars Guided (PhD): 18

## PROJECTS UNDERTAKEN BY FACULTY

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co-Principal Investigator
Modernization of Microcontroller and Embedded Systems Lab	5.00 lakhs	AICTE	Dr. Satvir Singh
Modernization of VLSI Lab	10.00 lakhs	AICTE	Dr. Satvir Singh
2-Week Staff Development Program on Intelligent Computational Techniques	1.98 lakhs	AICTE	Dr. Satvir Singh
1-Week Faculty Development Program on Applied Soft Computing	2.00 lakhs	TEQIP-II	Dr. Satvir Singh
2-Week Staff Development Program on Nature Inspired Computational Intelligence	1.50 lakhs	AICTE-TEQIP	Dr. Satvir Singh
International Conference on Communication, Computing and Systems (ICCCS-2014)	3.00 lakhs	TEQIP-II	Dr. Satvir Singh
Technical Education Quality Improvement Programme Phase-II (TEQIP-II)	10.00 crore	MHRD	Dr. Satvir Singh
1-Week Faculty Development Programme on Modern Tools and Techniques for Teachers and Researchers	3.00 lakhs	AICTE-IKGPTU	Dr. Satvir Singh
1-Week Faculty Development Programme on Internet of Things (IoT) and Real Life Applications	2.12 lakhs	AICTE-IKGPTU	Dr. Rakesh Goyal

## PATENTS GRANTED

Title of Invention	Patent Number/ Application Number	Name of Inventor
A device and method to control head lights of vehicles as per behaviour of eye vision	217743829/DEL/2003	Dr. A S Buttar
A solution made photodiode	1750/DEL/2004	Dr. A S Buttar
A solution made phototransistor	1857/DEL/2004	Dr. A S Buttar
Wild intelligence: A novel intelligence as dog group wild chase & hunt drive (DGWCHD)	1965/DEL/2008	Dr. A S Buttar Dr. A K Goel Dr. Shakti Kumar
Improved cash counting machine	201611011096	Dr. Amit Gupta

## STUDENT PLACEMENTS INFORMATION

Student Name	Company	Package Offered
Hitika Bhatia	IBM, TCS, Cognizant	4.5
Sourav Asija	TCS, CHC Consulting	4.5
Sonia	CHC consulting	3.6
Tarun	TCS, VAMSTAR	4.0
Achintya	TCS	3.4
Adarsh	Zentech consulting Pvt Ltd, Chandigarh	2.8
Harpreet	Watai Electronics, Noida	2.6
Himani	Webomaze Technologies, Chandigarh	2.6



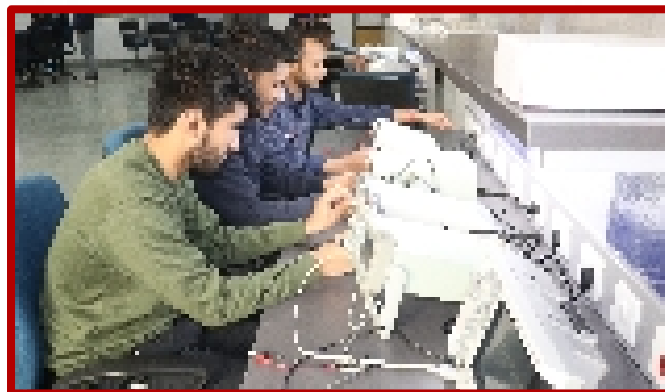
## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event
Jaskaran Meet Kaur	Gold Medal	Inter Zonal Youth Festival
Jaskaran Meet Kaur	Bronze Medal	Zonal Youth Festival
Ms. Sonia Mr. Tarun Kumar	3rd Prize & Rs. 5000/- Cash	Project Model Display, Innotech Pushpa Gujral Science City, Kapurthala
Mr. Sourav	3rd Prize & Rs. 1500/- Cash	Quiz, Innotech, Pushpa Gujral Science City, Kapurthala

## DEPARTMENT LABORATORIES



*Communication Laboratory*



*Digital Circuit Logic Design Laboratory*



*Electronic Devices Circuits Laboratory*



*Computer Laboratory*



*Simulation Laboratory*



*Institutional Training Session*

## EVENTS ORGANISED/STUDENT ACTIVITIES



*"Be like Engineer" Technical Competition to celebrate Engineers' Day*



*"Travel with Research" Visit to CSIR-CSIO Chandigarh, a premier National R & D Laboratory*



*"Jai Maa Sharde" Inauguration of Function "EL Novato"*



*"Yahan Ke Hum Sikander" Student Group Photo*



*"Mehndi ni Mehndi" Students in Jubilant mood after performing Giddha in cultural event*



*"Connect with Technology" FDP on Internet of Things*



*Department Faculty and Staff*

## DEPARTMENT OF ELECTRICAL ENGINEERING

The Department offers Undergraduate, Postgraduate and Ph.D programmes in Electrical Engineering. Well-equipped laboratories with state-of-the-art technology provide opportunities to students for hands on experience, thereby helping them in understanding the fundamental aspects; there are more such labs in the offing. Spacious air-conditioned classrooms and world-class infrastructure cater for an environment where students can learn independently as well as in a team. Our outcome-based curriculum and experiential learning opportunities meet the emerging challenges that graduates face in the field. Department aims to create

globally competent engineers with a professional outlook, top notch researchers and highly inspired techno-entrepreneurs.

There are ample opportunities to students for their overall growth and development. The research scholars are provided with independent space for experimental set up, access to leading international and national research journals, and simulation software.

The faculty is well experienced in both research and teaching and is focusing towards consultancy.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. Tech. - Electrical Engineering	60	04 years
M.Tech. (Electrical Engineering) (Power Systems & Renewable Energy)	18	02 years
PhD	As per University Norms	As per University Norms

### RESEARCH AREAS

- Power system optimization/Power Market Electricity Markets/Power Sector Deregulation
- Renewable energy/Distributed generation
- Dielectrics/Condition monitoring of power equipment

### INFRASTRUCTURE

Under Graduate Laboratories: General Electrical Laboratory, Semiconductor Laboratory, Electrical Machines Laboratory, Electrical Measurements Laboratory, Control Systems Laboratory

Research Laboratories: Power Systems Computational Laboratory

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Yadwinder Singh Brar	Professor Dean (P&EP)	29 years	Power System Operation & Control
Dr. Gagandeep Kaur	Associate Professor & Head of Department	23 years	Renewable Energy, Distributed Generation, Power Quality
Dr. Deepika Bhalla	Assistant Professor	28 years	Power Equipment, Transformer Condition Monitoring, Artificial Intelligence
Dr. Naveen Kumar Sharma	Assistant Professor	08 years	Grid-Integration of Renewable Energy Sources, Distributed Generation, Power Market, Power System Optimization
Dr. Akhil Gupta	Assistant Professor	21 years	Power quality, smart grids, and solar photovoltaic grid integration

## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Research Publications in International Journal: 113
- Research Publications in National Journal: 18
- Paper Presentations in National/Int. Conf.: 174
- Book/Book Chapter Published: 10
- Projects Undertaken by Faculty: 02
- Research Scholars Guided (PhD): 10
- Research Scholars Guided (M.Tech.): 51

## STUDENT PLACEMENTS

Student Name	Company	Package Offered
Ankush Garg	Mahashakti Energy Limited, Bhatinda	2.5 LPA
Rohit Roy	Mahashakti Energy Limited, Bhatinda	2.5 LPA
Subhash Kumar	Mahashakti Energy Limited, Bhatinda	2.5 LPA
Navdeep Singh	Mahashakti Energy Limited, Bhatinda	2.5 LPA
Shefali	Entuple, Bangalore	12000/- pm in Training Period

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Yamni Gupta	Bronze Medal	Inter college Chess Competition	2019
Priya Kumari	Bronze Medal	Inter college Chess Competition	2019
Priya Kumari	Bronze Medal	Inter-college tournament Volleyball Team	2019
Shivam Chauhan	Man of the Match	Inter-Departmental Cricket Match	2019
Suraj Paliyal	2 <sup>nd</sup> Prize	Inter-College tournament Volleyball Team.	2019
Harmanpreet Singh	2 <sup>nd</sup> Prize	Inter-College tournament Volleyball Team.	2019
Archit Sharma	2 <sup>nd</sup> Prize	Inter-College tournament Volleyball Team.	2019
Anmol Kaila	1 <sup>st</sup> Prize	Engineer's Day Hardware demonstration	2019
Harshdeep Rai	2 <sup>nd</sup> Position	Engineer's Day Ad. Mad show	2019
Gaurav Bharadwaj	Participated	Online course in Johns Hopkins University and offered through Coursera	2020
Khamesh Sharma	Participated	Online Quiz of Hero Campus Challenge Session 6	2020
Mohammad Rafi	Participated	Three Leadership Talks by MHRD's Innovation Cell	2020
Munish Kumar	Participated	Microsoft AI Classroom Series	2020
Neelmani	Participated	Solar cycle, B Plan Entrepreneurship	2020
Pankaj	Participated	Online course on Solar Energy Basics, State University New York	2020
Shishant Sharma	Participated	Online course on Python, Google, Electrical Utilities Fundamentals and Future	2020
Vishal Kumar	Participated	Online course on learns XML-AJAX- for Beginners	2020
Gagan Sharma	Participated	Microsoft AI Classroom Series	2020

## DEPARTMENT LABORATORIES



*Basic Electrical Laboratory*



*Power System Laboratory*

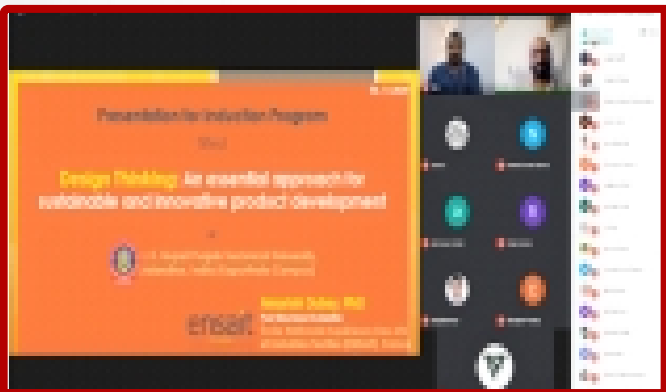


*Power Electronics & Drive Laboratory*



*Institutional Training Session*

## EVENTS ORGANISED

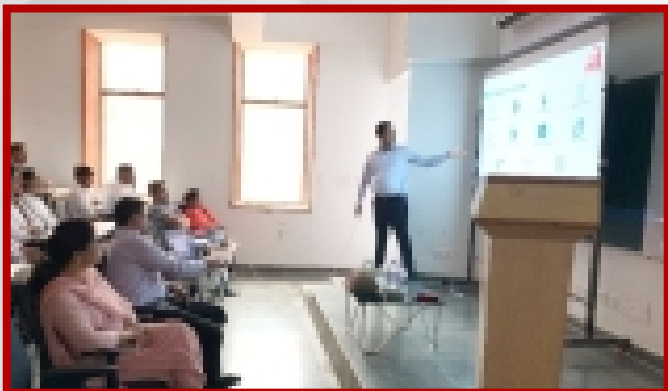


Electrical Engineering Department organized B.Tech EE (Batch 2020-21) On-line Induction Program



*Expert Talk on "Systematic and Advance Planning: probable solution of the energy problems in third world countries", by Dr D P Kothari (November 18, 2019)*

## EVENTS ORGANISED/STUDENT ACTIVITIES



*Expert Talk on "Power Equipment's and Energy Managements" by Er Karan Kansal (September 19, 2019).*



*Placement drive by M/S Mahashakti Energy Limited, Bhatinda*



*Teachers Day Celebrations*



*FDP on Recent Advancements in Power and Energy Systems, 09-13 December 2019.*



*Department Faculty and Staff*



## DEPARTMENT OF FOOD SCIENCE & TECHNOLOGY

Department of Food Science and Technology is committed to build a community that thrives on diversity, equity and equality. The discovery, innovation, and application of new knowledge for which we are known internationally derives from the vibrancy and connectedness of our diverse and extended community of current and former students, staff, industry and faculty members. The students at internationally recognized Food Science and Technology department completes a rigorous scientific curriculum that prepares them well for the numerous job opportunities available in the food industry or for graduate studies in the physical, chemical, and biological sciences and medicine. Members of this group apply a fundamental understanding of biological, chemical, physical, and behavioural sciences to the processing, preservation, quality evaluation, public health aspects, and utilization of foods. The graduate group offers programs leading to MSc Food Technology, MSc Clinical Research and M. Tech. Food Technology. The

Department of Food Science and Technology is fully committed to provide educational, research and social environments that are both rich in diversity of thought, and welcoming of cultural, religious, racial and individual differences, including gender expression and disabilities. The department is having 04 dedicated research labs equipped with sophisticated instruments like UV Visible Spectrophotometer, HPLC, Gas Chromatography, Rotary Evaporator, Lyophilise, BOD Incubator, COD Incubator, Shaker Incubator, PCR, Refrigerated Centrifuge machine, ELISA, Gel DOC etc.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
Bachelor of Science -Honours	30	04 years
(Food Technology)	25	02 years
Master of Science(Food Technology)	10	02 years
Master of Science(Clinical Research)	As Per IKGPTU norms	
Ph.D. Food Science & Technology	As Per IKGPTU norms	
Ph.D.Pharmaceutical Sciences	As Per IKGPTU norms	
Ph.D. Life Sciences (Biotechnology)		

### RESEARCH AREAS

- Extraction of macro and micro molecules of Food
- Optimization of product and processes of Food
- Engineering properties of Food
- Food Analysis
- Nutrigenomics
- Pharmaceutical Biotechnolog
- Valorization of Food Waste
- Nutraceuticals
- Functional Foods
- Pharmaceutical Biotech
- Pharmacovigilance
- Cereal, Legumes, Fruits and Vegetable Science
- Functional Food and Nutrigenomics

## FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Rajneesh Kant Sachdev	Associate Professor & Head of Department	32 years	Processing & Food Engineering
Dr. Gazal Sharma	Assistant Professor	11 years	Biotechnology
Dr. Shabir Sidhu	Assistant Professor	09 years	Pharmacology
Dr. Barinderjit Singh	Assistant Professor	14 years	Food Technology

## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 08
- Paper Presentations in International Conferences: 01
- Books/Book Chapters Published: 03
- Project Undertaken by Faculty: 00
- Research Scholars Guiding (PhD): 03
- PG Thesis Guiding (M.Sc./M.Tech): 18
- Research Publications in National Journals: 05
- Research Publications in International Journals: 35
- Patents: 0
- Research Scholars Guided: 10
- Research Scholars Guided (PhD): 04
- PG Thesis Guided M.Sc./M.Tech: 40

## STUDENT PLACEMENTS

Student Name	Course	Company	Package Offered
Ms. Jagroop Kaur	Msc Clinical Research	Department of Health and Family Welfare Govt of Punjab	3.6 lakh/annum
Ms. Bhavneet	MSc Food Technology	Jaro Education	8.0 lakh/annum
Mr. Abhishek Chaudhary	MTech Food Technology	Byju's Bangalore	12.0 lac/annum
Mr. Abhishek Bhargava	MSc Food Technology	NectafreshAgrofoods	3.0 lac/annum
Mr. Abhishek Sharma	MTech Food Technology	JUBILANT Food Works	2.40 lac/annum
Ms. Jasmin Kaur Cheema	MSc Food Technology	ITC Limited, Kapurthala	1.20Lakh/annum
Ms. Karishma Gambir	MSc Food Technology	Start Icon Consultancy Pvt. Ltd.	1.92Lakh/annum
Mr Saptadeep Sanyal	MSc Food Technology	Scientific and Digital Systems, New Delhi	4.8 lac /annum
Mr Suvajit	MSc Food Technology	Jubilant FoodWorks Ltd, Mohali	2.40 lac/annum
Ms Mehak Aftaab	MSc Food Technology	Genesis PacAssistPvt.Ltd. New Delhi	3.0 lac/annum

## AWARDS/ACHIEVEMENTS OF FACULTY

Faculty Name	Award/Achievement	Event	Month-Year
Barinderjit Singh*, Reetu, Manpreet Kaur	Best Poster Award	Polyphenolic compounds, antioxidant activity and in vitro inhibitory potential against key enzymes relevant for hyperglycemia of Solanum nigrum fruit. Two days online "World Summit on Medical Sciences, Pharmaceutical Sciences & Nursing Sciences Research 2020" (WOMPAN 2020) by Eudoxia Research Centre, India.	31, May 2020

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Jasmin Kaur Cheema*, Barinderjit Singh	Best Poster Award	Multi-track National Conference-Slietcon-2019 (Track I: "New Horizons in Food Processing Technology and Nutrition- NHFPTN-2019") organised by SLIET, Lonowal, Sangrur.	March 1-2, 2019
Drishti Gupta	Winner in Silver Category	Start Up Proposal at Bioconcurrency 2020- Global Meet Organised by Rajiv Gandhi Proudhyogiki Vishwavidyalaya Bhopal	2020
Ananya , Himanshu Saini and Payal Chauhan	Winner	B Plan Competition of Entrepreneurship Week 2020 organised by IKGPTU	2020
Drishti Gupta, Vani Jayachandran and Monika Thakur	Winner	State level TAP B Plan Competition	2021

## DEPARTMENT LABORATORIES



*Food Quality Analysis*



*Nutrition Biology Lab*



*Instrumentation Lab*



*Microbiology Lab*



*Instrumentation Lab*



*Class Room*

## EVENTS ORGANISED/STUDENT ACTIVITIES



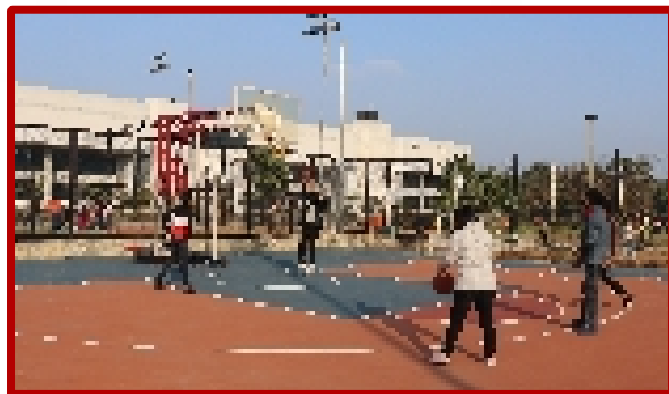
*Freshers' Party*



*Teacher's Day*



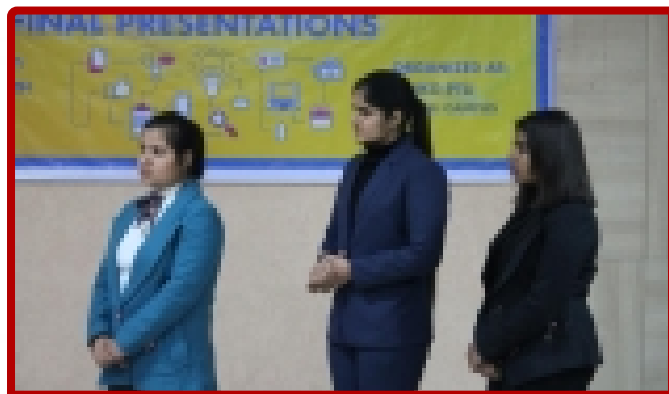
*Sports Day Activities*



*Sports Day Activities*



*Metro Milk Pvt.Ltd Jagjit Industry, Punjab*



*TAP-B-Plan Competition*



Management  
Journalism and Mass Communication  
Humanities, Languages and Cultural Studies  
Hotel Management





## DEPARTMENT OF MANAGEMENT

The department aims to create a pool of world class socially responsible leaders who can meet the challenges of dynamic business environment and help to achieve the objective of inclusive growth of the world economy.

Department of Management (DOM) is pioneer in the use of case study method and other such experiential teaching tools to management education in the state. The campus has state-of-art infrastructure and classrooms, experienced core faculty with international

exposure. The department offers management programmes namely, Masters of Business Administration (MBA), Bachelor of Business Administration (BBA) and PhD in the area of Marketing, Finance and Human Resources. The department is all set to begin with short-term Certificate Programs in the area of Advertising and Retail Management, Credit Risk and Treasury Management and Retail Banking in the near future.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
MBA	60	02 years
BBA	45	03 years
PhD	As per University Norms	As per University Norms

### RESEARCH AREAS

- Customer Relationship Management
- Adoption of Mobile Technologies
- Scale Development and Validation
- Corporate Finance and Accounting
- Corporate Disclosures
- Risk Management and Reporting
- Corporate Governance and Management
- Market efficiency
- Forex Market
- Commodity and Derivative Markets
- Corporate Social Responsibility and Business Ethics
- Employee Relations
- Industrial Organisational Psychology
- Performance and Compensation Management
- Green HRM & Green Marketing

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Harmeen Soch	Professor & Head of Dept. Dean, Faculty Welfare	21.5 years	Marketing Management
Dr. Kapil Gupta	Assistant Professor	16 years	Finance and Accounting
Ms. Supriya Babbar	Assistant Professor	11 years	Agri-business
Dr. Mandeep Kaur	Assistant Professor	16 years	Finance
Dr. Pooja Mehta	Assistant Professor	14 years	Human Resource Management
Dr. Sanjeev Kumar Bansal	Assistant Professor	23 years	Accounting and Finance
Dr. Roopali Batra	Assistant Professor	17.5 years	Finance
Dr. Rajpreet Kaur	Assistant Professor	13 years	Human Resource Management



## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 116
- Paper Presentations in International Conferences: 79
- Books/Book Chapters Published: 86
- Projects Undertaken by Faculty: 5
- Research Scholars Guiding (PhD): 28
- Research Publications in National Journals: 82
- Research Publications in International Journals: 96
- Research Scholars Guided (PG): 576
- Research Scholars Guided (PhD): 17

## PROJECTS UNDERTAKEN BY FACULTY

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co-'Principal Investigator
Construction and Standardization of Scale for Measuring the Customer Relationship Activity in an Organization.	60,000/-	UGC	Principal Investigator- Dr. Harmeen Soch
Critical Success Factors and Driving Forces for Wireless Web Adoption - An Empirical Investigation of Indian and Canadian Consumers.	623,700/-	UGC	Principal Investigator- Dr. Harmeen Soch
Price Discovery and Arbitrage Efficiency in the Indian Equity Futures and Cash Markets	50,000/-	National Stock Exchange of India	Co-investigator- Dr. Kapil Gupta

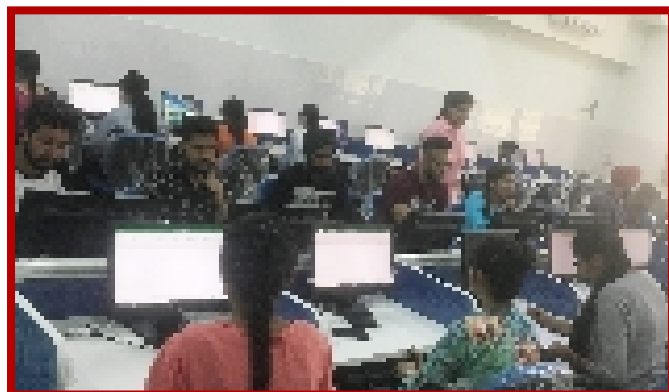
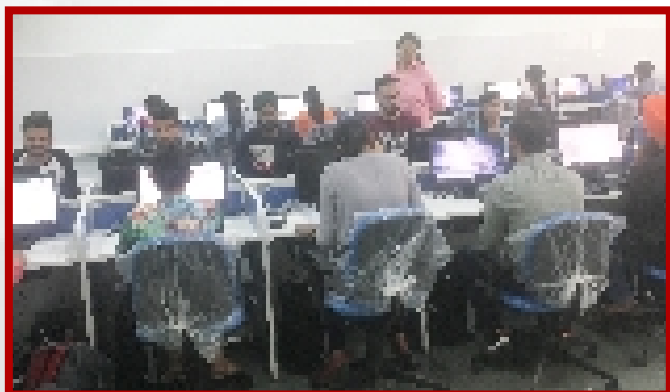
## STUDENT PLACEMENT OFFERS

Student Name	Company	Package Offered
Gurkaran Singh	Learning Routes, Mohali	5.37 LPA
Chinardeep	Axis Bank	3.50 LPA
Shiwanshi Sharma	ICICI Bank Ltd	3.38 LPA
Abhijeet Singh	PinClick	4.50 LPA
Staffy Rana	Decathlon Sports Pvt Ltd.	4.50 LPA
Damanpreet Kaur	Decathlon Sports Pvt Ltd.	4.50 LPA
Manpreet Singh	RedCarpet tech Pvt Ltd.	4.50 LPA
Ankit Chander	RedCarpet tech Pvt Ltd.	4.50 LPA
Yashpreet Singh	RedCarpet tech Pvt Ltd.	4.50 LPA
TapasyaBahl	Capital Via	4.34 LPA

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Tapasya Behl (MBA 2 <sup>nd</sup> year)	Internship Assignment at Semarang, Indonesia	IKGPTU Youth Global Internship Programme	2019
Abijit Singh (MBA 2 <sup>nd</sup> year)	2 <sup>nd</sup> Position in Poem Recitation	Zonal Youth festival IKGPTU 2018	2018
Abijit Singh (MBA 2 <sup>nd</sup> year)	2 <sup>nd</sup> position in Stand Up Comedy and Poem recitation	Open Mic +Stage Competition organised by Department of Journalism and Mass Communication, IKGPTU Main Campus	2018
Abijit Singh (MBA 2 <sup>nd</sup> year)	2 <sup>nd</sup> Position in Open Mic Poetry	Your Quote Open Mic, JMKITM college, Yamunagar	2018
Abhijit Singh (MBA 1st year), Rajat (MBA 1st year) , Vikas (MBA 1st year), Navdeep Kaur (MBA 1st year), Simran (MBA 1st year), Rinki (BBA 1st Year)	3 <sup>rd</sup> position	PARICHAY: An Intercollege Management Fest held at Pyramid College, Phagwara.	2018
Yashpreet Singh	2 <sup>nd</sup> position in On the Spot Painting	Zonal Youth Festival IKGPTU 2017	2017

## DEPARTMENT LABORATORY



*Computer Lab*

## EVENTS ORGANISED/STUDENT ACTIVITIES

- " Dr. Sanjay Khanna, Assistant Professor, Medical College, Amritsar and Medical Officer at Civil Hospital, Jalandhar delivered an online seminar on the topic of "Drug De-addiction" on October 20, 2020 at 11:00 am.
- " Sh. Avtar Singh, Inspector, Traffic In-charge, Punjab Police Academy, Phillaur Distt. Jalandhar delivered an online talk on 'Traffic Rules' to students, faculty members of Management and other departments of University on November 24, 2020 at 11:00 am.

## EVENTS ORGANISED/STUDENT ACTIVITIES



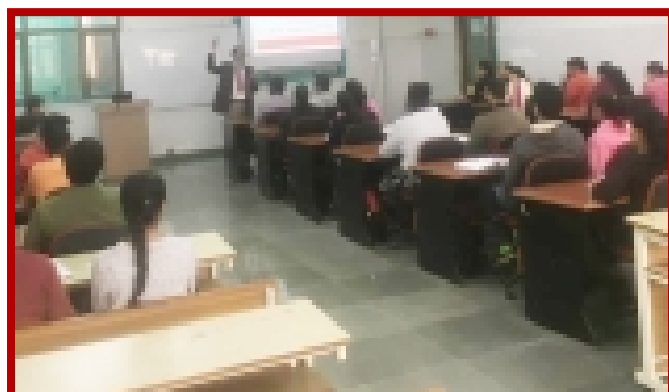
*Pariksha Pe Charcha 2020 by PM Modi via Webcast Live*



*Seminar on Traffic Rules conducted by Mr. Sandeep Singh Mand, PPS, DSP, Kapurthala.*



*Seminar on Drug De-Addiction conducted by Dr. Jaspreet Singh, Medical Officer.*



*Guest Lecture on 'Financial Awareness' delivered by Mr. Deepak Gupta (BSE)*



*Participation at Pyramid College*



*Visit to Sultanpur Lodhi*

## DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

The Department of Journalism and Mass Communication offers the best education keeping in mind the growing demand for socialised course in media at the pre-doctoral research level. The students here are given conceptual understanding along with training in professional skills by academicians and professionals of long standing experience in the field of journalism. By joining this department, the students will hone their skills in the field of journalism to become successful professionals in media industry in future. With the right

blend of experience in the field and in the class, the media aspirants are guided carefully into the realm of theories and research. Not only orienting the students into academics, but also providing them hands on experience in the field by the way of rigorous internship build into the curriculum with adequate weight age, the students get exposed to the actual goings on in the media and become ready to take up media assignments immediately after completion of the course.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. A. - Journalism & Mass Communication	25	03 years
M. A. - Journalism & Mass Communication	25	02 years
M. Phil. - Journalism & Mass Communication	10	01 years
PhD - Journalism & Mass Communication	As per University Norms	

### RESEARCH AREAS

- Print Media
- Communication
- Electronic Media
- Media Management
- Advertising
- Public Relations
- Films Studies
- Development Communication
- Traditional Media

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Ranbir Singh	Associate Professor & Head of Department	19 years	Mass Communication, Development Communication and Public Relation
Dr. Ekta Mahajan	Assistant Professor	15 years	Print Media and Advertising

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 07
- Paper Presentations in International Conferences: 03
- Books/Book Chapters Published: 11
- Research Scholars Guiding (PhD): 14
- Research Publications in National Journals: 42
- Research Publications in International Journals: 18
- Research Scholars Guided (MPhil): 55
- Research Scholars Guided (PhD): 01

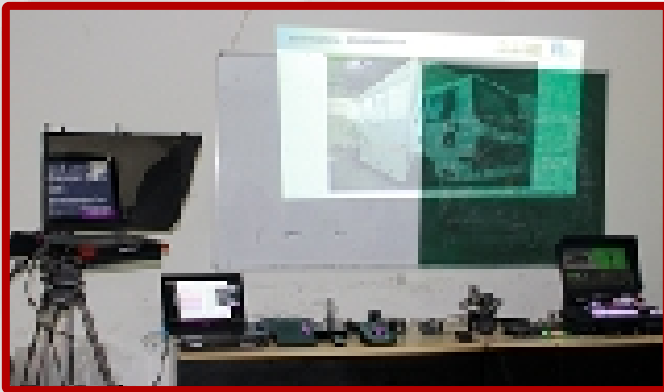
## STUDENT PLACEMENT OFFERS

Student Name	Company	Package Offered Rs/-
Arush Bhalla	BBC Facilitator National Health of Mission, Punjab	540,000
Pretty	Zee TV Canada, News Anchor & Host to Vancouver	600,000
Saruchi Bala	Sub Editor, Dainik Savera Times Jalandhar	156,000
Rohit Sidhu	Dainik Savera, Bureau Chief in Jalandhar	480,000
Parveen Kumar	Dainik Bhaskar, Bureau Chief in Jalandhar	456,000
Karuna Sharma	Assistant Professor, Gujrawala Khalsa Education Council, Ludhiana	240,000
Payal Sharma	Assistant Professor, D.A.V College, Jalandhar	216,000
Rajesh Kumar	Dainik Jagran, Chandigarh	480,000
Navroop Muthi Singh	Chief Sub Editor Press Reporter in Daily Nawa Zamana	156,000
Robin Jindal	Public Relation Officer, Central University, Bathinda	600,000
Priyanka Jain	Assistant Professor, St. Soldier College, Jalandhar	144,000
Vinti Rani	Assistant Professor, C.T. University, Jalandhar	180,000
Pooja Shree	Assistant Professor, St. Soldier College, Jalandhar	120,000
Suman	Web content Writer, Punjab Kesari	144,000
Monika	Web content Writer, Punjab Kesari	144,000
Baljit Kaur	ETV, Script Writer, Hyderabad	144,000
Priya Chandar	Assistant Professor, D.A.V College, Jalandhar	192,000
Prabhjot Kaur	Assistant Professor Kamla Nehru College, Phagwara	156,000
Puneet	Assistant Professor, St. Soldier College, Jalandhar	144,000
Harsdeep Kaur	Assistant Professor, BBK D.A.V, Amritsar	168,000
Diksha	Assistant Professor, KMV, Jalandhar	144,000
Shiva A Raja	Assistant Professor, IKG PTU, Kapurthala	540,000

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Drishti Doel	Winter Internship Programme at PCI, New Delhi, 2020	Press Council of India Internship Programme	Jan, 2020
Shiva A Raja	UGC Net Qualified	Qualified UGC Net Exam in the field of JMC	Jun, 2019
Shiva, Priya, Diksha	Research Methodology Course	Sponsored By ICSSR Kurukshetra University, Haryana	Jan, 2019
Priyanka Jain	Third Prize	Inter Zonal Youth Festival on The Spot Photography Competition	Jan, 2019
Nirmal, Priyanka Jain	First Prize	Inter College Competition at Guru Nanak Khalsa College For Women Ludhiana TV Interview	Feb, 2019
Vinti Rani , Diksha, Pooja Shree	Third Prize	Inter College Competition at Guru Nanak Khalsa College For Women Ludhiana Ad/Md Show	Feb, 2019
Priyanka Jain	Second Prize	Zonal Youth Festival Bhutta College Ludhiana on The Spot Photography Competition	Dec, 2018

## DEPARTMENT LABORATORIES



*Video Lab*



*News Editing Lab*



*Communication Lab*



*Students Working on Film Making Project*

## DEPARTMENT LABORATORIES



*Students getting hands on experience on Camera Techniques*



*Computer Lab*



## EVENTS ORGANISED/STUDENT ACTIVITIES



*Diwali Celebration in Department*



*Department marks R-Day with Declamation and Caption Writing Contest. Dr. Priyanka Mahajan, Assistant Professor judged the event*



*On National Press Day Guest Lecture on “ Role of Press in Contemporary India”*



*Students visit to Dainik Jagran Printing Press*



*Mr. Munish Devgan, TV Producer, Aaj Tak delivering a talk on the topic “Perspectives of Electronic Media”*



*Organised Interactive talk by eminent media personality Mr. Rishi Nagar (Canadian radio Broadcaster)*

## EVENTS ORGANISED/STUDENT ACTIVITIES



Department organises Rangoli Competition.



*Teachers Day Celebration Organized by Students*



Department organises Voters' day Competition.



Dr. Rajneesh Kant Sachdeva, Associate Professor distributed prizes to the winners of Rangoli Contest.



*Drishti Doel and Aniket Sharma adjudged Miss Fresher and Mr. Fresher 2019*



*One-day photography workshop conducted by renowned professional Photographer Mr. Karamveer Sandhu on World Photography Day*

## DEPARTMENT OF HUMANITIES, LANGUAGES AND CULTURAL STUDIES

The Department of Humanities, Languages and Cultural studies (HLCS) came into existence in 2019. Its objective is to provide value-based education to the students, and to make them employable so they become professionals with a difference to understand and meet the industrial and social expectations. Currently, the Department houses many disciplines such as English Language & Literature, Communication Skills, Punjabi Language &

Literature, Universal Human Values & Professional Ethics, Political Philosophy, and Indian Political System etc. The Department is actively engaged in teaching, research, training, and outreach activities. In keeping with its multidisciplinary character, it carries out research in diverse and emerging areas of human interest and social concerns.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
M. Phil. - English	04	01 years
M. Phil. - Punjabi	04	01 years
PhD - English	As per University Norms	-----
PhD - Punjabi	As per University Norms	-----
Certificate course in French and German language	30	60 Hours Saturday/Sundays

### RESEARCH AREAS

- English Language Teaching
- Cultural Studies
- Gender Studies
- Language & Literature

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Sarabjit Singh	Assistant Professor & Faculty In-Charge	15 years	Modern Punjabi Poetry
Dr. Priyanka Mahajan	Assistant Professor	14 years	Fiction, Literary Theory & Criticism

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 11
- Paper Presentations in International Conferences: 05
- Books/Book Chapters Published: 07
- Research Publications in National Journals: 32
- Research Publications in International Journals: 08
- Research Scholars Guiding (PhD): 07

### SALIENT FEATURES

- Highly qualified faculty
- Globally prevalent Study Module
- Weekend Classes
- Audio and Video Aids
- Bi-lingual Teaching Methods
- Smart Classrooms

## SRI GURU NANAK DEV JI CHAIR

The University has also established Sri Guru Nanak Dev Ji Chair in the Department of Humanities, Languages & Cultural Studies to commemorate the 550th Birth Anniversary of Guru Nanak Dev Ji. The primary objective of the chair is to carry out advanced research on the teachings and Hymns of Guru Nanak Dev Ji.

### Area/Scope of Study

- Life, philosophy and work of Sri Guru Nanak Dev Ji and its relevance in the contemporary times.
- Religious and Cultural Space with special reference to Sri Guru Nanak Dev Ji.
- Historical perspectives of Sri Guru Nanak Dev Ji's life, mission and work in subsequent periods.
- Role and place of Gurudwara Shri Ber Sahib (Sultanpur Lodhi) in the larger contexts of the teachings of Sri Guru Nanak Dev Ji.
- Creation of descriptive bibliographical documentation with reference to literary and socio-cultural studies related to Sri Guru Nanak Dev Ji.
- Audio-visual documentation with special reference to Sri Guru Nanak Dev Ji's life & contribution in and around Kapurthala (Doaba region of Punjab).
- Study on the travels (Udassies) of Guru Nanak Dev ji
- Study of Divine Music (Raag) & Instruments with special reference to Rabab.
- Study of Interfaith Dialogues of Sri Guru Nanak Dev Ji.

## FOREIGN LANGUAGE COURSES

Learning an additional language always adds another feather in learner's cap. With ever increasing foreign trade of India, knowledge of foreign language always provides an edge to students in their career. On other side, rising trend of pursuing higher education in foreign land is another rationale for learning a foreign language. Considering these trends & to fulfill the industrial needs for language translators, University has started following Short Term Courses in foreign languages at Kapurthala and Mohali Campus:

- French Language
- German Language

Classes are conducted only on weekends.

Admission (Thrice in year)	Eligibility	Intake	Mode of admission	Fee	Duration of each level
As per Academic Calendar	10+2 With no age bar	30 Per batch	First come first served basis	Rs. 7080/- including (Tuition fee Rs. 5,000/-, examination fee Rs. 1,000/- and GST @ 18% i.e., 1080/)	60 hours (45 hours for theory and 15 hours practical)

Students can directly appear in examination of any level of languages without joining the course by paying the examination fee of Rs. 2,000/-

## LEVELS OF FOREIGN LANGUAGES COURSES:

Language/Level	I	II	III	IV	V	VI
French	Basic	Elementary	Intermediate-I	Intermediate-II	Advanced-I	Advanced-II
German	Basic	Elementary	Intermediate-I	Advanced	—————	—————

## CONTACT DETAILS:

For Mohali Campus	Mr. Vishawdeep Assistant Registrar	94780-98081 ptulanguages@yahoo.com
For Kapurthala Campus	Dr Sarabjit Singh Coordinator Foreign Languages	94780-98061 sarabjit@ptu.ac.in

## DEPARTMENT OF HOTEL MANAGEMENT

The Department of Hotel Management has been established to cater the technical and professional requirement of the globalized hospitality industry by imparting world-class training in Hotel Management and Catering Technology to Student who wish to excel and create benchmark in this glamorous profession. The Indian hospitality industry contributes invaluable not only to the Indian economy but worldwide by creating employment and entrepreneurial opportunities and by being one of the highest revenue churners in foreign

exchange for the country. According to the world travel and tourism Council, India will be a tourism hot-spot. India is still deficit in star hotels and as such the demand for hotel management personnel will continue to grow. The graduates of these courses will have the option to join catering establishments, restaurants, hotels and can become entrepreneurs in this flourishing business.

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
Bachelor of Hotel Management & Catering Technology (BHMCT)	60	04 Years
Diploma In Food & Beverage Service	30	01 year +6 Months in Industry

### FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Rajneesh Kant Sachdev	Associate Professor and Head of the Department of Hotel Management	30 years	Processing & Food Engineering

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 03
- Research Publications in National Journals: 07
- Research Scholars Guiding PG: 08
- Research Publications in International Journals: 06
- Research Scholars Guided (PG): 03

### AWARDS/ACHIEVEMENTS OF STUDENTS

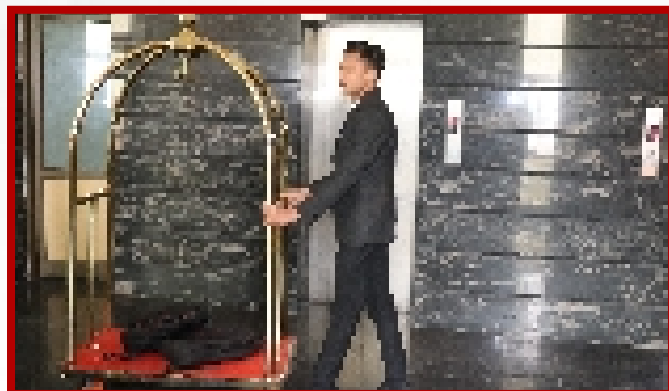
Student Name	Award/Achievement	Event	Month-Year
Manisha	2 <sup>nd</sup> Prize	Poster making competition	10 <sup>th</sup> Oct, 2019
Sahil Kumar	Participation	Engineer's day	20 <sup>th</sup> Sep, 2019
Manisha	Participation	Engineer's day	20 <sup>th</sup> Sep, 2019
Sahil,Shivam, Brinderjeet, Rajwinder, Tanu,Karan,Priya	Prize for maximum Participation	Food Craft Mela in Punjab Agricultural University, Ludhiana	20 <sup>th</sup> Oct, 2019



## DEPARTMENT LABORATORIES



*Front Office Lab*



*Bell Boy*



*Housekeeping Practical*



*Housekeeping Practical*



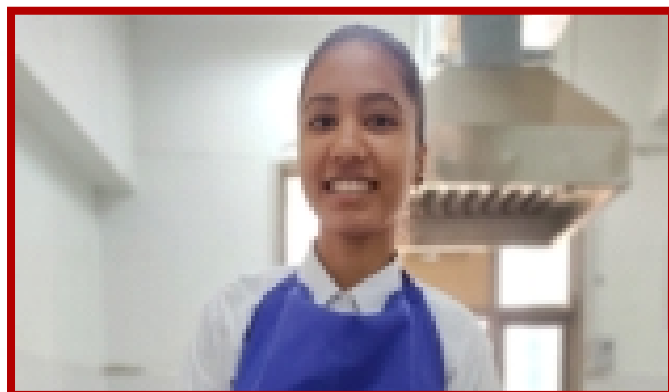
*Food and Beverage Service Lab*



*Food and Beverage Service Lab*



*Food Production Lab*



*Food Production Lab*





*Library*



*Modern Class Room*

## EVENTS ORGANISED/STUDENT ACTIVITIES



*Participated in Food Craft Mela Punjab Agricultural University, Ludhiana on 20<sup>th</sup> Oct 2019*



*Appreciation Award in Food Craft Mela in Punjab Agricultural University, Ludhiana on 20<sup>th</sup> Oct 2019*



*WJ Grand Hotel Visit*



*Ramada By Wyndham Hotel Visit*



*2<sup>nd</sup> prize for Poster Making Competition*



*Faculty Student Interaction*

## CENTRE FOR EXCELLENCE

### International Resource Centre for Universal Human Values and Ethics (IRC-UHVE)

IRC-UHVE is being developed to facilitate the humanization of education, globally. The center aspires to be a living model of a humane family making effort for right understanding, justice (right feeling) and prosperity; while contributing to right understanding & right feeling in every individual through human education.

Human education would facilitate the development of definite human conduct or self-discipline; the learner

would develop the vision, commitment, competence and practice to make effort for a humane society.

So IRC-UHVE aspires to develop people with definite human conduct with a vision for a humane society, with skills & practice to participate as change agents in the current environment.

### ACHIEVEMENTS:

1. The Foundation Course in Human Values and Professional Ethics has been introduced and is consistently running as an essential credit course for all students at IKG-PTU constituent and affiliated colleges since 2011. Now, this course is a part of Model Curriculum recommended by AICTE for all the 10,000 colleges approved by AICTE.
2. Faculty Development Programme: through the efforts of this centre, more than 5000 teachers, across North-west region, have undergone faculty development program on Universal Human Values.
3. Preparation of Resource Persons: consistent efforts are going on for preparation of Resource Persons. Currently, 5 Resource Persons are there who can share Universal Human Values through Faculty Development Program and about 10 resource persons are in the making.
4. International Conference: IKG-PTU has been jointly organizing ICHVHE, an international conference on universal human values in higher education, since 2011. This has directly resulted in universities from SAARC nations getting familiarized with this topic and approach. In particular, the Royal University of Bhutan introduced universal human values in the 2012. In 2014, three universities from Pakistan have started planning for universal human values and the responsibility of their teacher training is being taken by the IRC-UHVE.
5. Study material translated in Punjabi language. The text-book, teacher's manual and other material has been translated into Punjabi in 2012. The idea is to make this course so simple and comprehensible so that students from any background may be able to grasp it effectively.

### EXPERTS & MENTORS

Name	Designation	Specialisation
Dr. Rishi Raj Gaur	Prof. of Mechanical Engineering (Retd.) & Ex. Head-National Resource Centre for Value Education in Engineering, IIT Delhi	Internal Combustion Engine, Renewable Rural Energy Systems, Integration of Science, Technology & Human Values
Prof. Ganesh Prasad Bagaria	Prof. of Electronics and Communication Engineering (Retd.) & Coordinator, Value Education Cell, AKTU, Lucknow	Value Education (Universal Human Values)

## RESOURCE PERSONS

Name	Designation	Specialisation
Sh. Rajul Asthana	Former Vice President, Satyam Computers Learning Centre & Former Director, IRC-UHVE, IKG PTU Kapurthala	Value Education (Universal Human Values), Natural Farming, Corporate Learning

## FACULTY (VOLUNTEER) COMMITTED FOR CONTRIBUTION

1. Dr. Kumar Sambhav, IIT Kanpur
2. Dr. Shyam Kumar, IIT Kanpur
3. Sh. BhanuPartap, Head, Value Education Cell, AKTU
4. Dr. Veena Bansal, IIT Kanpur
5. Sh. Gopal Babu, Convener, Value Education Cell, AKGEC, Ghaziabad
6. Prof. Raminder Singh Uppal, Head-ECE, BBSBEC, Fatehgarh Sahib
7. Dr. Manisha Gupta, Director, PIMT, Punjab
8. Sh. Vinay Kehar, IKGPTU
9. Sh. Mohit Jain, IKGPTU

## PROGRAMME & ACTIVITIES

IRC-UHVE runs or coordinates specific programs in universal human values:

1. Plan & Conduct Student Induction Program:
  - 1.1. IKGPTU Main & Constituent Campus(es)
  - 1.2. Facilitate affiliated colleges of IKGPTU to conduct the Student Induction Program
  - 1.3. Facilitate AICTE approved colleges of North west region to conduct the Student Induction Program effectively.
2. Faculty Development Program
  - 2.1. Plan & Conduct Faculty Development Program for IKGPTU affiliated colleges, and colleges of North West region approved by AICTE.
  - 2.2. Academic Leadership Program for Directors/ Principals & Deans of colleges falling in North West Region.
3. Coordinating the implementation of a Foundation Course in Universal Human Values at IKGPTU & North-west region of AICTE.
4. Developing Nodal Centers of Universal Human Values at colleges affiliated with IKGPTU.
5. One year PG Diploma in Universal Human Values & Ethics(PGD-UHVE) for preparation of competent teachers & Resource Persons to further prepare the next generation of teachers in technical or higher education. The centre has been running this PG diploma for 3 years consecutively with encouraging results. The students for this course have come from varied backgrounds viz. from academics, corporate, NGOs, to business person etc. At the end of the course; all of them gained the clarity and confidence to live a meaningful and fulfilling life.

This PG Diploma is to be delivered through a blended mode - online & personal contact program (PCP). The teachers/ students aspiring for this course must have deep inclination and also be committed for investing oneself for self-development.

## CONTACT INFORMATION

International Resource Centre for Universal Human Values & Ethics (IRC-UHVE), IKG Punjab Technical University, Kapurthala (Punjab) 144601

Chairperson : Prof. (Dr.) Ajay K Sharma, Vice Chancellor IKG PTU

Director : Dr. S S Walia (ahluwaliasukhbir@gmail, +91 94780 98008)

Asst. Registrar : Sh. Jitender Narula (mail.narula@gmail.com,+91 9478098082)



*Prof. (Dr.) Ajay K Sharma, Hon'ble VC, IKGPTU and Dr. S S Walia Registrar cum Director IRC-UHVE along with teachers from different states during AICTE sponsored 7 Days residential FDP on Universal Human Values during July 4-10, 2019*



*Dr. S S Walia Registrar cum Director IRC-UHVE along with participants during closing ceremony of the AICTE sponsored 7 Days residential FDP on Universal Human Values from Jan 3-9, 2020*

## OUR TRAINING & PLACEMENT CELL

To actively reach out to the corporate world for facilitating the best placements for IKG PTU students, University has a Corporate Relations & Alumni department. The main endeavor of CR&A Cell, IKG PTU is to get students placed in reputed multinationals, government organizations, NGO's and the private sector. All students registered with CR&A Cell are provided placement assistance, counseling for employment, and Self/Social Entrepreneurship. The CR&A Cell assures

logistic support to the visiting companies at every stage of the placement process by making university infrastructure available to them. The CR&A Cell acts as an interface between the industry and the students, and primarily enables the students to select their career options. The CR&A Cell also conducts career-related seminars and workshops to enable the students to become successful professionals.

## JOINT CAMPUS TRAINING & PLACEMENT DRIVES

In the year 2019-20, students from IKG PTU got placed in various MNCs and Public Sector undertakings. The highest package of 12.00 LPA was offered by Jaro Pvt. Ltd. followed by 4.65 LPA and 4.00 LPA by IBM India Pvt. Ltd. and Cognizant respectively. IKG PTU students were placed in Companies like Infosys Ltd., Wipro Ltd., Mphasis Pvt. Ltd., TCS, Calvin Klein, Tommy Hilfiger,

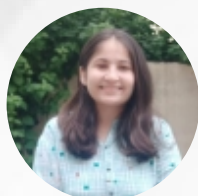
Sopra Steria, CHC Consulting Pvt. Ltd., Entuple Technologies, Mahashakti Energy Ltd., Zapbuild Technologies Pvt. Ltd., Smart Data Enterprises India Ltd., Access Infotech Pvt. Ltd., Tech Mahindra, Just Dial Ltd., LG Electronics, Pin Click, Red Carpet Tech Pvt. Ltd., Walmart, Reliance Jio Infocomm Ltd., etc.

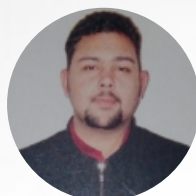
## MAJOR RECRUITMENTS



**Sourav Asija**  
BTech ECE  
Offer: TCS, Congruex



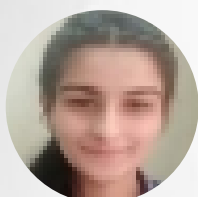
**Hitika Bhatia**  
BTech ECE  
Offer: TCS, Congruex,  
Cognizant



**Prashant Veer**  
BTech ME  
Offer: Congruex



**Sonia**  
BTech ECE  
Offer: Congruex



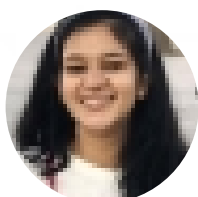
**Komal**  
BTech CSE  
Offer: Grazitti Interactive,  
TCS



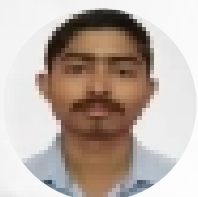
**Saransh**  
BTech CSE  
Offer: Grazitti Interactive



**Ravish**  
BTech CSE  
Offer: Grazitti Interactive,  
Infosys



**Shristy**  
BTech CSE  
Offer: Grazitti Interactive,  
Infosys, IBM



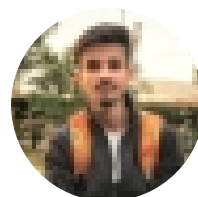
**Sourav**  
BTech CSE  
Offer: Grazitti Interactive,  
Infosys



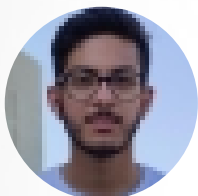
**Arshvir**  
BTech CSE  
Offer: Grazitti Interactive,  
Infosys



**Rishav**  
BTech CSE  
Offer: Grazitti Interactive,  
Infosys



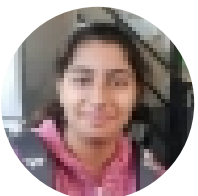
**Apoorv Salaria**  
BTech CSE  
Offer: Jaro Education,  
Cognizant, Mphasis



**Mehul Jain**  
BTech CSE  
Offer: Sopra Steria,  
Cognizant, Mahasis



**Sunil Kumar**  
BTech CSE  
Offer: Cognizant, Mphasis



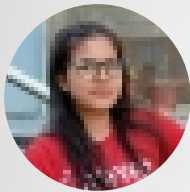
**Monika Bhasin**  
BTech CSE  
Offer: Cognizant, Zapbuild



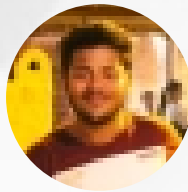
**Shefali**  
BTech EE  
Offer: Entuple Technologies



## MAJOR RECRUITMENTS



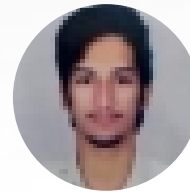
**Shilpa**  
BTech CSE  
Offer: Zapbuild, Infosys



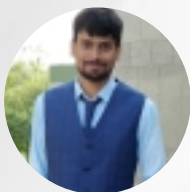
**Hardik**  
BTech CSE  
Offer: Infosys



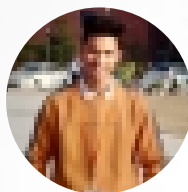
**Shreyansh**  
BTech CSE  
Offer: Infosys



**Shivam**  
BTech CSE  
Offer: Zapbuild



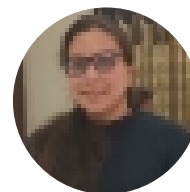
**Abhishek Bhargava**  
MSc Food Technology  
Offer: Star Icon Consultancy



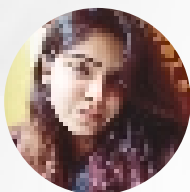
**Abhishek Sharma**  
MTech Food Technology  
Offer: Jubilant Foodworks Ltd.



**Jasmin Kaur Cheema**  
MSc Food Technology  
Offer: ITC Kapurthala



**Jagroop Kaur**  
MSc Clinical Research  
Offer: Department of  
Health and Family  
Welfare, Govt. of Punjab



**Karishma Gambhir**  
MSc Food Technology  
Offer: Star Icon Consultancy



**Ankush Garg**  
BTech EE  
Offer: Mahashakti



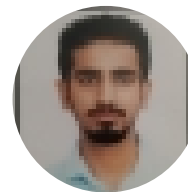
**Subhash Kumar**  
BTech EE  
Offer: Mahashakti



**Rohit Roy**  
BTech EE  
Offer: Mahashakti, Accenture



**Navdeep Singh**  
BTech EE  
Offer: Mahashakti



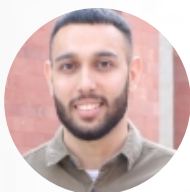
**Paras**  
BTech EE  
Offer: Mahashakti



**Dilbagh Singh**  
BTech EE  
Offer: Mahashakti



**Tarun**  
BTech ECE  
Offer: Vamstar, TCS



**Gurkaran**  
MBA  
Offer: Learning Routes  
Pvt. Ltd.



**Chinardeep**  
MBA  
Offer: Bajaj Allianz Life  
Insurance Company



**Saruchi Bala**  
Journalism & Mass Comm.  
Offer: Dainik Savera Times



**Sheetal Joshi**  
Journalism & Mass Comm.  
Offer: Reporter in Punjab  
Kesari

## STATE LEVEL JOB FAIR

IKG PTU organized a state-level job fair in collaboration with the Punjab Government at its Main Campus, Kapurthala for the technically qualified unemployed youth of the state.



## HR Talk

HR Talk was organized at IKG PTU Main Campus by Career Guidance Cell. Mr. Sarthak Sharma, Talent Acquisition Lead, Infosys Ltd. interacted with the pre-final year engineering students to discuss the various employment opportunities. Many students had attended his seminar.

## Pre-Placement Assessment

To enhance the Industry readiness of its students, T&P Cell, IKG PTU organized CoCubes (CoCubes is India's leading assessment platform) pre-placement assessment test for its students where students were assessed on various employability domains. The aim of the test was to make the students aware of their weak areas.



### Infosys Placement Drive

Joint Campus Placement Drive of Infosys was organized at IKG PTU. 345 students from various University campuses & affiliated colleges appeared in the online test. Shortlisted students appeared in the interview and 45 students were selected. Such placement drives are great employment opportunity for the students.



### Competitions and Contests

Students of IKG PTU participated in various competitions and contests organized by MNCs such as TCS CodeVita, Huawei ICT Competition, TCS Enquode, HackWithInfy, and InfyTQ. Ankit Gautam, a student of the CSE department, IKG PTU got the “Outstanding Performance Award” while representing India in the global finale of the Huawei ICT Skills Competition held in China.



## ENTREPRENEURSHIP PROGRAMMES

### TiE – IKGPTU Industry Academia Collaboration

IKG PTU inked “Industry-Academia Collaboration”, the agreement with The Indus Entrepreneurs (TiE Chandigarh) to promote innovation & entrepreneurial culture in University campuses & affiliated colleges. The agreement was signed by Dr. Ajay K Sharma, Hon'ble Vice-Chancellor, IKG PTU & Mr. Munish Jauhar, President TiE. Under this collaboration, TiE members visited

University campuses & affiliated colleges.

TiE also organized Internship Drives & Placement Drives twice that year exclusively for IKG PTU students. Two Entrepreneurship Awareness Camps (EACs) were organized at the university main campus. Mr. H.S Cheema, M.D, Cheema Boilers Pvt. Ltd. and Ms. Prerna Kalra, MD, Open Hand Solutions shared their entrepreneurial journey with the students.



### Entrepreneurship Week

To introduce the concept of innovation and creativity among the students of the main campus, “E-week” was organized at the university campus. During this week, two competitions viz “Business Plan Competition” and “Rs.200 Venture” were organized. Also, interactive sessions with entrepreneurs and IPR Experts were organized.



### Innovation Day

To mark Dr. APJ Abdul Kalam's birth anniversary, Innovation Day was celebrated at IKG PTU main campus. This day was celebrated by organizing the following activities :-

- 1) Interactive session on the importance of innovation and future prospects.
- 2) Poster making competition on Innovation.



### Short Term Training Programme in Collaboration with NITTTR – Chandigarh

University organized a one-week short-term training program (STTP) fostering creativity and innovation in entrepreneurship for development coordinators/ faculty. The main objectives of the training program to impart knowledge among participants on the setting, creating and innovative management of Entrepreneurship Development Cells, so, that they are better equipped to further motivate and guide their students to opt for innovation- based entrepreneurship. The Entrepreneurship Development Cells orient the participants and impart knowledge to them on various aspects of fostering creativity and innovation in entrepreneurship.



## “NAVONMESH”

With the aim of providing motivation to its students, faculty & staff, I.K. Gujral Punjab Technical University organized a mega event at its main campus. Event was on stage of Sri Guru Nanak Dev Ji Auditorium. The day was full of knowledge, faith, self-confidence and motivational lectures, life experiences. The title of the event was “NAVONMESH”. University organized this event in association with “YAYAVAR” Literary Festival”. While following all the guidelines related to Covid prevention of Punjab government, the students, faculty and university staff were not invited by the organizing team in big strength & being a technical university, thousands of spectators were added to it using the technology, including national- international level students, faculty, researchers, general public joined this program through YouTube Live & other social media platforms.

In the first session, the topic "How I found my goal of life" was discussed by the International Football Player Women's League J&K Ms Afshan Ashiq. The second address was from Professional Skydiver Arjuna Awardee Group Captain (Retd) Kamal Singh on the topic "How Adventure makes you think out of box". The first session panellist was Mr Vinit K. Bansal, A banker, especially abled, entrepreneur and writer of dozen best sellers. In the second session, Radio Mirchi Jammu & Kashmir's programming head RJ Shwetima Jamwal spoke on the topic "Social Media and its Impact". In this session, The panellists were Punjabi poetess and Sukhvinder Amrit, Poet Dev Dard and Vijay Vivek. The third session was addressed by noted speaker, Actor Major (Retd) Mohommed Ali Shah on the subject "Life of a Soldier", while the other speaker Aarusha Mahajan spoke on the topic "How to start a start-up".





IKG PTU (Main Campus) Team SQUENCOFF won the prestigious TAP Business Plan Competition and was awarded with cash prize of Rs. 40,000/- . This competition was a joint initiative of IKG PTU & TiE Chandigarh. Team SQUENCOFF also represented IKG PTU Jalandhar & TiE Chandigarh at the TiE University Global Pitch Competition and was awarded USD 500. In this global competition 27 teams from United States, India, Canada, Pakistan, UAE, Germany & Israeli participated. Dr. Ajay K Sharma, Hon'ble Vice Chancellor, IKG PTU honoured Drishti Gupta & Manjinder Singh, members of winning team, along with their Faculty Mentor Dr. Gazal Sharma for this achievement during their visit in his office.



## ENTREPRENEURSHIP AND INNOVATION

- CIIT

CIIT (Center for Invention, Innovation, Incubation, and Training) a joint initiative by IKG PTU and Tata Technologies established to strengthen industry-academia partnerships and training students with industrial experiential learning. The objective of establishing these CIITs is to facilitate innovation and work towards bringing about qualitative improvements in technical education. They aim towards the development of techniques, skills in modern engineering tools, and other various interests, which are necessary for product design, development and manufacturing.





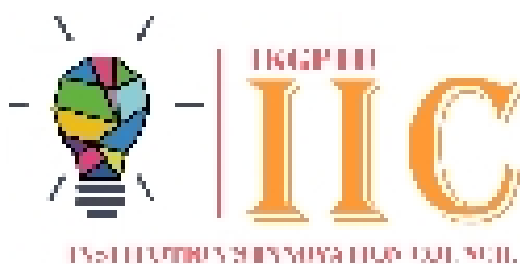
- ENTREPRENEURSHIP CELL



The Entrepreneurship Cell of the university is there to develop and strengthen the entrepreneurial mindset of students. Many Entrepreneurial Competition like Business Plan Competition in collaboration with The Indus Entrepreneurs (TIE) Chandigarh, Poster Making Competition, Rs. 200 Ventures, and Talks by prominent Entrepreneurs were organized annually to promote innovation and out of the box thinking in the IKG PTU ecosystem.

- INSTITUTE'S INNOVATION COUNCIL

The University has its Institute's Innovation Council established by MHRD, primarily focusing on Innovation related activities. The Cell has organized various events including Smart India Hackathon, Internal Hackathons, and various workshops. Recently, a team of University students reached up-to semifinals of Smart India Hackathon, organized by MHRD. Along with this, the IIC is working on various projects to make an Innovative environment in the campus.



## MEMORANDUM OF UNDERSTANDING (MOU)

- IKG PTU & Infosys MoU

MoU between Infosys Campus Connect & IKG PTU was signed. Infosys Ltd. participated in Board of Studies (BOS) meetings which were held at IKG PTU to upgrade syllabus according to the current industry trends and some Infosys courses like Building Enterprise Application and Agile Software Development were included in the course curriculum by the university as elective subjects.

The said courses were rolled out in the IT stream for colleges affiliated to the University. Faculty Enablement Programmes were also organized by Infosys in which faculty from



- IKG PTU & AMRITSAR FOUNDERS MoU

IKG PTU Amritsar Campus signed MoU with Amritsar Founders. In this both organizations worked together to promote entrepreneurial culture in the IKG PTU ecosystem. 22 Startups/Industries are part of Amritsar Founders. They also hired IKG PTU students for stipend-based internships & employment in the field of IT, Civil, Tourism & Management. Students were given Industrial projects as a part of the curriculum. Also, Industrial visits & Expert talks were organized. Members of Amritsar Founders also contributed in developing the course curriculum.



- IKG PTU & HUAWEI MoU

I K Gujral Punjab Technical University and Huawei Telecommunications (India) Co. Pvt. Ltd., a company incorporated and existing under the laws of India. IKG PTU is always keen to develop strong industry-academia, hence this MoU connected IKG PTU with Huawei at its campus. Under this collaboration, Huawei ICT Academy has been set up at university main campus. The students were offered Huawei certified internship and placement opportunities.



- IKGPTU & Friends Union for Energizing Lives (FUEL) MOU

MoU with FUEL Friends Union for Energizing Lives (FUEL), is a credible non-profit organization which provides Career Guidance and Skilling to the students throughout India. FUEL will train students of IKG PTU campuses & affiliated colleges on the areas Including Artificial Intelligence, Digital Marketing and Aptitude. FUEL has already partnered with Niti Aayog & AICTE.



## Prominent Speakers



**Mr. Rakesh Kalra**  
Founder & CEO,  
Urban Pro



**Mr. Jagnoor Singh**  
Vice President, Region Head,  
OYO



**Mr. H S Cheema**  
Founder,  
Cheema Boilers Ltd.



**Mr. S.K. Arora**  
Co-Founder,  
Appsmartz



**Ms. Ritika Singh**  
Founder,  
Kontent Factory



**Mr. Hitesh Kumar**  
Founder,  
Diversityance Business Consulting



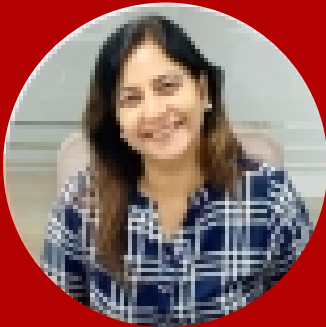
**Mr. Vikram Goel**  
Founder & Director,  
Incredibles Device Pvt. Ltd.



**Mr. Harshvir Jaswal**  
Managing Director,  
Drish Tech Pvt. Ltd.



**Mr. Amulya Shukla**  
Founder & Chief Consultant,  
Sambhav Consulting



**Ms. Perna Kalra**  
Founder,  
Open Hand Solutions



**Ms. Ritu Singal**  
Life Transformation Coach



**Mr. B.M Sharma**  
Addl. Managing Director,  
Markfed



**Ms. Kanika Rajdev**  
Co-Founder,  
Digvijay Rajdev Architects



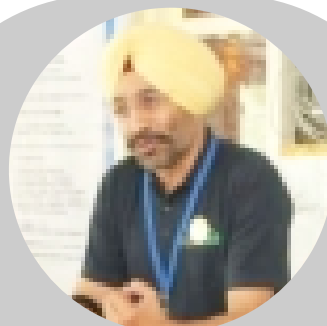
**Mr. Parampreet Kalra**  
Co-Founder,  
Starhub Nation



**Mr. Maneesh Yadav**  
Chairman,  
Quik Realties



**Mr. Sandeep Gandotra**  
Managing Director & Founder,  
Five Senses Brand  
Leadership Solutions



**Mr. Harinder Pal Singh Lamba**  
CEO Director,  
Cheers, Food & Beverage



**Mr. Harit Mohan**  
CEO,  
Signicent Information  
Solution LLP

## OUR PLACEMENT TEAM



### Er. Navdeepak Sandhu

Deputy Director

(Corporate Relations & Alumni), IKG PTU

Ph No. 9478098040

Email: navdeepak.sandhu@ptu.ac.in



### Mr. Mrigender Singh Bedi

Assistant Director

(Corporate Relations & Alumni), IKG PTU

Ph No. 9478098076

Email: msbedi@ptu.ac.in

## FACULTY COORDINATORS

- Dr. Gazal Sharma  
Food Science & Technology Deptt.  
Email : gazalsharma@ptu.ac.in
- Dr. Roopa  
Chemical Sciences Deptt.  
Email : roopa\_noel@yahoo.co.in
- Dr. Ekta Mahajan  
Assistant Professor  
Journalism & Mass Communication Deptt.  
Email: ekta79@gmail.com  
Contact Number: - 9465884834
- Dr. Maninder Kaur  
Physical Sciences Deptt.  
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- Dr. Roopali Batra  
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Email : roopalibatra@rediffmail.com
- Ar. Md. Fuzail Jawaid  
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Email: mfjawaid@ptu.ac.in
- Dr. Vivek Aggarwal  
Mechanical Engineering Deptt.  
Email : dr.vivekaggarwal@ptu.ac.in
- Dr. Amit Gupta  
Electronics & Communication  
Engineering Deptt.  
Email : dr.amitgupta@ptu.ac.in
- Dr. Anshu Bhasin  
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Email : dr.anshubhasin@ptu.ac.in
- Dr. Akhil Gupta  
Assistant Professor  
Electrical Engineering Deptt.  
Email : dr.akhilgupta@ptu.ac.in  
Contact Number: - 9855041124

## KNOWLEDGE RESOURCE CENTRE

The Knowledge Resource Centre of I.K. Gujral Punjab Technical University is situated in independent building. The two storied building is fully inter connected with area 5514.779 square meter, centrally air conditioned, with a seating capacity of more than 1000 readers at a time. The whole building is fully wi fi enabled for the internet access facility. The building is fully fire proof and equipped with fire extinguishers, fire alarms. The building is well connected and easily approachable from all the departments of the university. The Knowledge Resource Centre is equipped with many modern electronics amenities also. At present the Knowledge Resource Centre caters to the need of the large number users. The total number of users are 3906 (Research Supervisor 400, Research Scholar 950, IKGPTU Officers/ faculty/Staff 466, IKGPTU Campus Students 2090). The Knowledge

Resource Centre has a good collection of more than 22,000 + books including Govt. publications, statistical reports, conference proceedings, reference books, text books, scriptures, distance education study materials, fiction and non-fiction books and ebooks. The Knowledge Resource Centre has more than 14,000+ (PhD/ M Tech research thesis) which provide a vital source of information to the research community. The Knowledge Resource Centre is equipped with large number of computers for access of e-resources and digital content. In its digital collection the Knowledge Resource Centre has nearly 50,000+ digital resources including e Journals , research thesis, utility software's, study materials, reference works, e-books, images, infotainment materials etc. The Knowledge Resource Centre has also stored back volumes of important periodicals.

### SALIENT FEATURES:

- ❖ Number of books available: 22,000+
- ❖ Number of Thesis (M.Tech/ PhD) available: 14,000+
- ❖ Number of e Books: 1517
- ❖ Number of e-database/ e Journals available: 50,000 +
- ❖ Number of Magazines available: 17
- ❖ Number of Print Journals available: 115

1. e-Resources:- IKGPTU has subscribed large no. of e-resources including databases e.-Journals, e-books, conference proceedings, case studies etc. The detail of e-Resources subscribed is available at IKGPTU website also.

2. Automation: The Knowledge Resource Centre's all operations are fully automated. The latest version of the most advanced software (Web Centric Software LSEase EJB version) is being used.

3. RFID System : - The Knowledge Resource Centre has enhanced the security features and is using the Radio-frequency Identification System LSMART. This RFID technology has improved circulation and inventory

control, best tracking for misplaced books and security/issues.

4. Web OPAC: The Knowledge Resource Centre is using LIBSYS OPAC facility and users search a library catalog principally to locate books and other material available at a library.

5. Library Membership Card: The Knowledge Resource Centre, IKGPTU has also issued the membership cards to all its IKGPTU Students/ faculty/ staff members. The membership cards are very useful for borrowing books and journals, access online databases etc.



6. National Digital Library: - The Knowledge Resource Centre also has the complimentary access to National Digital Library. The National Digital Library is designed to support academic research at all levels and subject areas by providing millions of eBooks, Audio Books, Children Books, Encyclopedia and journal articles etc.

7. CCTV Camera: To enhance security and surveillance, CCTV cameras has been installed in Knowledge Resource Centre, IKGPTU.

8. Wi Fi Connectivity: The whole building of Knowledge Resource Centre is fully wi fi enabled for the internet access facility.

9. 24-hour Air conditioned Reading Hall: For the convenience of IKGPTU students/users, a 24-hour air conditioned reading hall is also available.

10. Delnet: The Knowledge Resource Centre is also a member of DELNET which provides free access to a number of e-journals, e-books, electronic databases and research publications.

## LIST OF E-RESOURCES AVAILABLE AT IKGPTU, KNOWLEDGE RESOURCE CENTRE:-

Science Direct (Elsevier) 11 Subject Collection (1490)

- Biochemistry, Genetics and Molecular Biology (259)
- Business, Management and Accounting (100)
- Chemical Engineering (106)
- Chemistry (113)
- Computer Science (138)
- Economics, Econometrics and Finance (106)
- Engineering (226)
- Materials Science (143)
- Mathematics (100)
- Pharmacology, Toxicology and Pharmaceutics (86)
- Physics and Astronomy (113)

Emerald Management: eSS 12 Collection (313)

- Accounting, Finance & Economics e Journal Collection (41)
- Business, Management and Strategy e Journal Collection (56)
- HR, Learning & Organization Studies e Journal Collection (26)
- Information & Knowledge Management e Journal Collection (12)
- Marketing e Journal Collection (24)
- Operations, Logistics & Quality e Journal Collection (16)
- Property Management & Built Environment e Journal Collection (19)
- Public Policy & Environmental Management e Journal Collection (13)
- Tourism and Hospitality e Journal Collection (8)
- Education e Journal Collection (23)
- Engineering e Journal Collection (26)
- Health & Social Care e Journal Collection (32)
- Library Studies e Journal Collection (17)

IEEE (IEL Growth Plan) (36,108)

- Journals: 511
- Conferences: 3128
- Proceedings: 26712
- Standards: 4034

Royal Society of Chemistry :-

- Journals: 53



## Springer Nature (1728)

- Behavioural Science and Psychology (44)
- Biomedical and Life Sciences (317)
- Business and Management (52)
- Chemistry and Materials Science (154)
- Computer Science (93)
- Earth and Environmental Science (138)
- Economics and Finance (66)
- Education (92)
- Engineering (136)
- History (02)

## Taylor & Francis (1076)

- Allied & Public Health (12)
- Anthropology, Archaeology and Heritage (13)
- Arts & Humanities (110)
- Biological, Earth & Environmental Food Science (98)
- Business Management & Economics (50)
- Chemistry (42)
- Criminology & Law (32)
- Education (140)
- Engineering Computing & Technology (104)
- General Medicine & Dentistry (03)
- Geography, Planning, Urban & Environment (49)

## EBSCO: Business Source Ultimate

- Journal: 3507

## The EBSCO Discovery Service (EDS) Single Window Search Engine:-

- e Book Academic Collection: More than 1.70 Lacs of ebooks in all major academic subjects.
- Library & Inf. Sci. Source: More than 480 full text journals, More 30 full text monographs, A thesaurus of more than 11,000 terms, Full text coverage dating back to 1993.
- Engineering Source: More than 1,600 full text publications, Cover-to-cover indexing for nearly 3,000 publications.
- American Dissertations & Thesis: More than 8,00,000

electronic theses and dissertations from around the world.

- Newspaper Source Plus: It includes millions of articles from newspapers, newswires and news

- Law and Criminology (18)
- Literature, Cultural and Media Studies (04)
- Mathematics and Statistics (169)
- Medicine (257)
- Physics and Astronomy (110)
- Political Science and International Studies (06)
- Religion and Philosophy (01)
- Science (multidisciplinary) 01
- Social Sciences (68)

- Library & Information Science (14)
- Mathematics & Statistics (32)
- Media, Cultural & Communication Studies (63)
- Biological, Earth & Environmental Food Science (98)
- Mental & Social Care (42)
- Physics (19)
- Politics, International Relations & Area Studies (110)
- Psychology (56)
- Sociology & Related Disciplines (32)
- Sport, Leisure & Tourism (20)
- Strategic Defense & Security Studies (30)

## American Society of Civil Engineering (ASCE)

- Journals: 37

## BIS Standards:

- Complete set of standards issued by BIS

## Project Muse (Premium Collection)

- Journals: More than 650 Journals

## JSTOR India Collection:

- Journals: More than 2500 Journals

### Indiastat:

Indiastat provides socio economic statistical information about India, its states, regions and sector. Indiastat.com is a cluster of 56 associate websites wherein 19 websites are sector-specific, 6 are regional Websites and 31 websites

are state-specific. Subscribing Indiastat.com contains all the statistical information available on its 56 associate websites. These statistical data/ information can be very useful for various researches and reports.



*Entrance of Knowledge Resource Centre*



*Reading Hall of Knowledge Resource Centre*



*Reading Hall of Knowledge Resource Centre*



## YOUTH AND CULTURAL ACTIVITIES

The Department of Youth Affairs being an important part of the University, working for the overall development of the students with an objective of nurturing the young minds and for their balanced growth and development, the Department of Youth Affairs organizes several activities every year to encourage the young students to come forward and prove themselves by participating in various cultural activities. In the same way, the activities encourage the department to provide them more and more opportunities for their overall development. University organizes Youth Leadership Training Camps, Teachers Training Camps, Selections & Training Camps of

Music, Dance, Theatre, Fine Arts and Literary items for Participation in Various Youth Festivals, Zonal Youth Festivals, Inter-Zonal Youth Festival and participated in North Zone Inter-University Youth Festival, National Youth Festival, South Asian Inter-University Youth Festival, University team of CLAY MODELLING got 1<sup>st</sup> position in Punjab State Youth Festival & also got 2<sup>nd</sup> Position at National Youth Festival. Department of Youth Affairs Organised Awareness Camp on COVID-19 (Mission Fateh) in Various Adjoining Villages of IKGPTU and celebrated Independence Day, Teacher's Day, Engineer's Day, Republic Day & Women's Day in University Campus, Kapurthala.

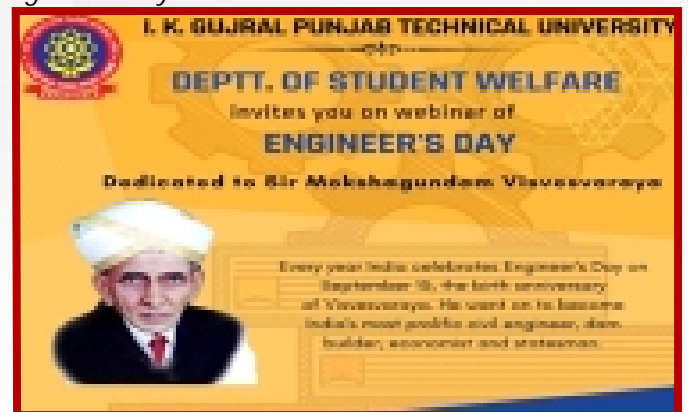
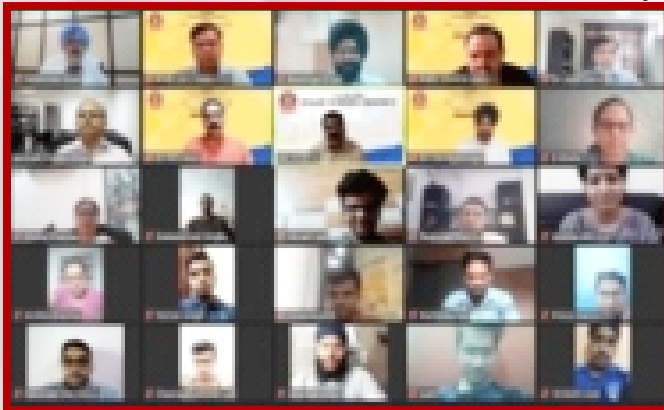
*Awareness Campaign COVID-19 (Mission Fateh)*



*Celebration of Independence Day*



### Teacher's Day & Engineer's Day



### National Youth Festival & Punjab State Inter-University Youth Festival



### Celebration of Republic Day



### Celebration of State Level International Women's Day





## NSS ACTIVITIES

NSS Department of I.K. Gujral Punjab Technical University is working on various areas of overall development, be it rural development or raising awareness on issues of environment, cleanliness, health issues, drug de-addiction, road safety, personality development and so on. The NSS activities carried out under the guidance of the NSS advisory council of the university, which is chaired by the Hon'ble Vice-Chancellor. He presides over all the meetings of the council. At present there are 74 units working in various affiliated colleges of IKGPTU including main campus at Kapurthala and its constituent campuses at Amritsar, Batala and Mohali. With a combined strength of 7400 dedicated NSS volunteers, NSS department of I.K.G. Punjab Technical University is one of the largest programs in the country and one of the decorated one. These 74 units are working on the areas where activities like seminars, workshops, field visits and surveys are carried out whole of the year. These 74 units have adopted 74 villages /slums to serve the community according to need of hours.

In every session, NSS department organizes a host of NSS activities in University Main and constituent

campuses and different colleges affiliated to the university. In academic session 2019-20, NSS organized various activities.

1. Seven Days Inter College NSS Camp - The NSS Department of I.K. Gujral Punjab Technical University has organized 7 Days Inter College NSS Camp from 1<sup>st</sup> to 7<sup>th</sup> April 2019 at University Main Campus. In this camp, more than 150 Volunteers from different affiliated colleges and 150 volunteers from the main campus participated along with 12 Programme Officers and university faculty members. The whole event dedicated to the 550<sup>th</sup> birth anniversary of Guru Nanak Dev Ji. The main objective of this camp was the beautification of the university campus and a cleanliness drive in nearby villages. The volunteers were divided into different groups and assigned duties as per task given to them. During the camp, volunteers conducted survey and free medical camp in the village Dhapai. A blood donation camp by NSS volunteers was also organized and 75 units of blood was collected and donated in this camp. Sh. DPS Kharbanda, the Deputy Commissioner of Kapurthala was the chief guest on the first day of the camp and was felicitated by Hon'ble Vice Chancellor.



*Hon'ble Vice-Chancellor Prof. (Dr.) Ajay Kumar Sharma felicitating  
Sh. DPS Kharbanda, the Deputy Commissioner of Kapurthala*



2. Youth Leadership Training Camp 2019- Youth leadership development is promoted through activities and experiences that help youth to get social, ethical, emotional, physical and cognitive competencies. In this concern, a Youth Leadership Training Camp was organized by the Department of NSS from 12<sup>th</sup> to 21<sup>st</sup> of July 2019 (for Girls) and 19<sup>th</sup> to 28<sup>th</sup> of July (for Boys) at Regional Mountaineering Centre, Mcleodganj, Dharmshala, (Himachal Pradesh). In this training camp,

65 Volunteers of NSS from different affiliated colleges of the University participated. Students hailing from different colleges learnt various leadership skills through a number of activities and lectures by experts. Hon'ble Vice Chancellor Prof. Dr. Ajay K. Sharma spent a full day time with NSS Volunteers on first day of this Camp and took a keen interest in various activities and also shared his own experiences with students.



*Students participating in Survey in village Dhapai*

3. Blood Donation Camp - To mark the occasion on National Youth day/week coinciding with 550<sup>th</sup> Birth Year of Sh. Guru Nanak Dev ji, a one day seminar was organised on 22<sup>nd</sup> January, 2020 in which an expert talk was delivered by Professor Dr. Anish Dua (from Guru Nanak Dev University, Amritsar) on the topic of "Role of Youth in Nation Building". More than 100 students, staff and the

senior officers of the university participated in the program. A Blood donation camp also organized in association with Civil Hospital, Kapurthala. A total of 55 units of blood was collected in this camp. Hon'ble Vice Chancellor Dr. Ajay Sharma inaugurated the camp and encouraged all to donate the blood. Joint Registrar Dr R.P S Bedi were also grace the event.



*Dr. Ajay Sharma, Hon'ble Vice Chancellor of IKGPTU honoured by Dr. RPS Bedi*



*An employee receiving certificate from the Hon'ble Vice-Chancellor, IKGPTU for Blood Donation*

4. World Wetlands Day -2<sup>nd</sup> February is observed as World Wetlands Day (WWD) all over the world to raise awareness about importance, values & functions of wetlands. Therefore to mark the occasion of World Wetlands Day, NSS Department of I.K. Gujral Punjab Technical University Organized an awareness lecture on 2<sup>nd</sup> February, 2020. Dr. Chander Parkash, NSS Program Officer, delivered key lecture on the theme "Wetlands and Biodiversity" where the students learnt the role of wetlands in biodiversity conservation and their functions & values through presentation and video lecture. 120

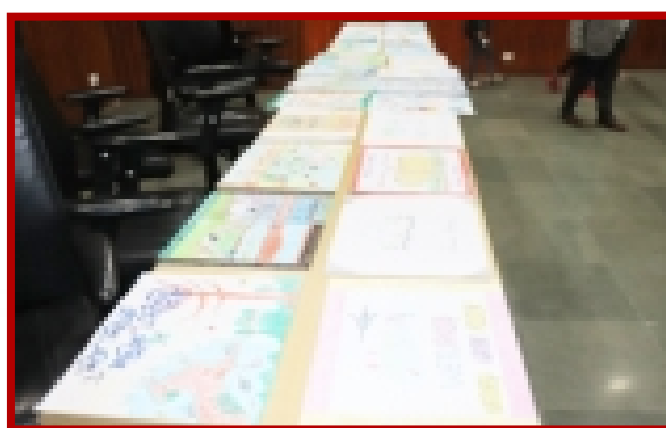
students and faculty members from various departments of the main campus participated in the program and interacted with the speaker. A poster making competition was also held among students on the above-mentioned theme and winners were given trophies and certificates. Dr. Y.S. Brar, Director Main Campus along with Dr. RPS Bedi, Director Students Welfare and Dr. Ranbir Singh, Head Department of Journalism and Mass Communication also participated and interacted with students.



*Dr. Chander Parkash interacting with students on World Wetlands Day*



Students making poster on World Wetlands Day



Posters made by students on display

## SPORTS ACTIVITIES

The Sports Department in the University has been established to promote the spirit of Sports participation amongst the students. The Department annually organizes the various activities under the guidance of the Sports Council of the University. The University also participates in different Inter-Varsity games.

The Sports Department of the University is visualizing programmes to increase participation of students in different sports activities by offering financial incentives

to the medal winners in different Inter-Varsity sports tournaments. The entire tuition fee of the medal winners at the Inter-Varsity level is refunded by the University. The University every year honors students who have scored more than 75% marks in addition to winning a medal in AIU sponsored All India or North-Zone sports or Youth Festival competitions. Every year conducts 16 Inter-College tournaments (Men & Women) for different games.

- Swimming (Men & Women)
- Chess (Men & Women)
- Badminton (Men & Women)
- Table-Tennis (Men & Women)
- Cross Country (Men & Women)
- Football (M)
- Cricket (Men & Women)
- Lawn-Tennis (Men & Women)
- Volleyball (Men & Women)
- National Style Kabaddi (M)
- Basketball (Men & Women)
- Cycling (Men & Women)
- Hockey (Men & Women)
- Power Lifting, Weight Lifting & Best Physique (M)
- Handball (Men & Women)
- Athletics (Men & Women)

### Sports Facilities Available in Main Campus, IKGPTU

- Basketball - 3 Courts
- Volleyball - 2 Courts
- Kabaddi - 1 Ground
- Lawn-Tennis - 2 Courts
- Athletic Track
- Football Ground
- Badminton-3 courts

### Availability of Indoor Games:

- Gym with latest equipments.
- Chess
- Table-Tennis
- Power Lifting, Weight Lifting & Best Physique (M)
- Carrom Board

### Inter College Sports Tournament held in IKGPTU, Main Campus as below:

- Chess (Men & Women) on dated 5-7 September, 2019
- Lawn-Tennis (Men & Women) on dated 17-18 October, 2019
- Volleyball (Men & Women) on dated 13-15 November, 2019
- 23<sup>rd</sup> Annual Inter-College Athletic Meet (Men & Women) on dated 04-06 March, 2020.

Ten days Conditioning Camp: 10 days (07-07-2019 to 17-07-2019) Conditioning Camp 2019 for Sports students who got positions in Inter-College Tournaments and participation in North Zone or All India Inter-Varsity Tournaments held at High Altitude Training Centre Shilaru, Himachal Pradesh.

### Achievements in All India Inter-Varsity Tournament 2019-20:

Harshveer Singh Sekhon from GNDEC, Ludhiana got Silver Medal in All India Inter-Varsity Cycling Road and Bronze Medal in All India Cycling Track.

*Inter-College Volleyball Tournament held at Main Campus, IKGPTU*



*Boys-Men team of IKGPTU Main Campus, Kapurthala  
won the Runner up Trophy (Silver Medal) of Inter College volleyball tournament*



*Girls-Women team of Main Campus IKGPTU  
won the Bronze Medal of Inter College volleyball tournament*





Third Position all over Men and Women Trophy 2018-19



Annual prize distribution held at Main Campus, IKGPTU



Inter-College Lawn Tennis Tournament held at Main Campus, IKGPTU



*Inter-College Chess Tournament held at Main Campus, Kapurthala, IKGPTU*

## 23<sup>rd</sup> Annual Inter-College Athletic Meet (Men & Women) held at Main Campus, IKGPTU



*March Past Trophy – Main Campus, Kapurthala, IKGPTU*

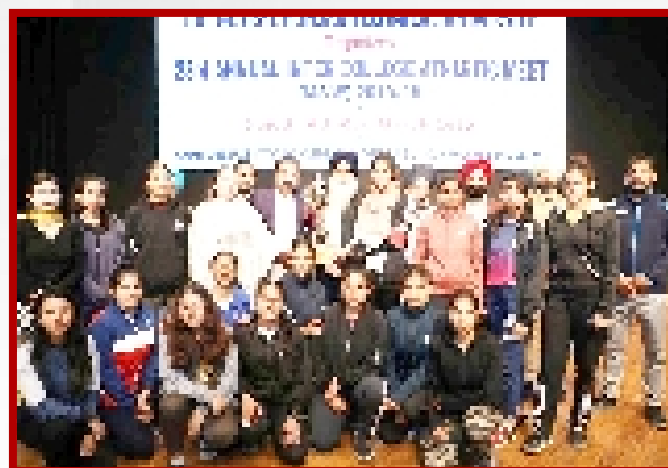


*Winner Trophy (Women) – GNDEC, Ludhiana*





*Winner Trophy (Men) – GNDEC, Ludhiana*



*Runner up Trophy (Women) – CEC, Landran*



*Runner up Trophy (Men) – CEC, Landran*

## HOSTEL ACCOMMODATION

On-campus ambient student housing is must to create a welcoming and secure living environment. We believe that a comfortable stay fosters student learning and overall development. The University accommodation to students in the form of boys' and girls' hostels within the campus that are at a walking distance from the academic wing. Presently the University is running three boys' hostels and two girls' hostels with single, double and

quadruple occupancy. The hostels have well-furnished and well-equipped guest rooms for visitors. These can be booked in advance on prior permission of the hostel warden.

Mess of the girls' hostel is run by a contractor while that of boys' hostel is a cooperative mess run by the student committee. The rules and diet plan for mess are available in the hostel office for referral.



### SALIENT FEATURES

- Well-ventilated rooms
- Common room with TV for varied and uninterrupted transmission, newspaper and periodicals
- Indoor and outdoor games in vicinity of hostel include basketball ground, volleyball ground, lawn tennis court, badminton court, open gymnasium, table tennis, running track and many more...
- Hygienic and clean kitchen attached with mess of hostels to provide nutritious food to the occupants of hostel with a pre-decided menu designed by the mess committee in consultation with the warden of the

hostel.

- Electric and solar water heater for winter season is installed.
- Hostels are surrounded by green and beautiful lawns.
- All the resident students are abiding by the rules of hostel issued from time to time by the authorities.
- Two-wheeler parking is available on payment basis in the hostel premises for UG residents, whereas four-wheelers are only allowed on prior permission of hostel warden on payment basis.
- Complaint registers are maintained in the office of the hostel with hostel staff for filling routine complaints.

## RAGGING: PROHIBITION, PREVENTION AND PUNISHMENT

Forms of Ragging:

Display of noisy, disorderly, conduct, teasing, rough or rude treatment or handling, including rowdy, undisciplined activities which cause or likely to cause annoyance, undue hardship, physical or psychological harm or raise apprehensive fear among freshers or asking any student to do any act without the student's approval or any other such act constitute ragging.

The University Grant Commission (UGC) vide its letter no. F.1-16/2007 (CPP-II) dated June 17, 2009 has reiterated the ban on ragging of students in institutions of higher learning. THE STUDENTS ARE THEREFORE DIRECTED TO DESIST FROM ANY KIND OF ACT WHICH MAY BE CONSIDERED AS RAGGING.

- Anti-ragging committee can be accessed at [ptu.ac.in/student/anti-raging.aspx](http://ptu.ac.in/student/anti-raging.aspx).

- All India Council for Technical Education (AICTE) regulations to curb ragging can be accessed through its notification no. 37-3/Legal/AICTE/2009 dated March 25, 2009. AICTE has taken a very serious view of ragging incidences in educational institutions and on directions of Hon'ble Supreme Court of India it is an unbailable offence.
- Each student (resident or non-resident) and their parents are required to submit undertaking in prescribed form (mandatory) at the time of admission.

Any undisciplined activity by student(s) like damaging hostel property, not obeying the rules of hostel, use of any electric appliance, use of alcohol (or substance) or unauthorized entry or stay or any other activity that may be treated as undisciplined act will lead to strict disciplinary action up to expulsion from the hostel.

The stay in the hostels is governed by the regulations

issued from time to time by Government of India, Punjab Government and the university authorities. Care takers and security guards are deployed in the hostels round the clock. The resident can contact the

caretakers on duty for any complaint or issue. Hostel wardens/ Chief warden/ Dean (student welfare) can be contacted via email on their official email ids.

## TRANSPORTATION FACILITIES AT MAIN CAMPUS, KAPURTHALA

A fleet of 07 buses is available for the convenience of students at Main Campus, Kapurthala. University bus routes for students are as under:

### Bus Routes

- |   |  |
|---|--|
| 1. Beas to University Campus                | 2. Jalandhar Cantt. to University Campus |
| 3. Kartarpur to University Campus           | 4. Kishanpura Chowk to University Campus |
| 5. Sansarpur/Paragpur to University Campus  | 6. Ladowali Road to University Campus    |
| 7. Bus Stand Jalandhar to University Campus |  |

Bus Route	Monthly Charges
IKGPTU to Kapurthala Chowk, Jalandhar and Kapurthala City etc.	Rs.300.00
IKGPTU to Football Chowk, Nakodar Chowk, Cool Road, Bus Stand, Rama Mandi, Deol Nagar, TV Tower, Sh. Guru Ravidass Chowk, Mata Rani Chowk, 120FT Road, Babrik Chowk, Workshop Chowk, Patel Chowk, Maqsoodan Chowk, Kishanpura Chowk, Janta Colony, BidhipurFatak, Kartarpur, Subhanpur, etc.	Rs.450.00
IKGPTU to Beas, Sansarpur, Dhina, Khusropur, Jamsher, Lambra, Tajpur, etc.	Rs.600.00

## CAFETERIA

In order to provide healthy and affordable food to the students, University has a hygienic cafeteria on the campus, serving a vast variety of food items of diverse taste.



*Cafeteria on the Campus Serving a vast Variety of Food Items*

# IKGPTU'S CONSTITUENT CAMPUSES

A University is more than the sum of its individual Institutes. University's undergraduate academic majors are offered through its four Constituent campuses. Each campus is distinctive in character, with the common denominator of a rich tradition of career-focused, technical education. Together these campuses offer our students an array of undergraduate, postgraduate programs and opportunities seldom found in other Universities.

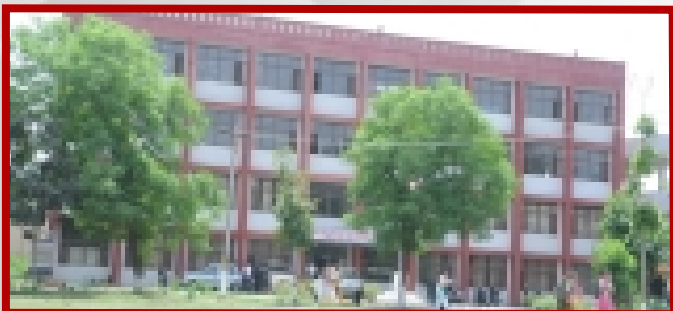
- ★ *Hoshiarpur Campus*
- ★ *Amritsar Campus*
- ★ *Mohali Campus - I*
- ★ *Mohali Campus – II*



## PROGRAMS OFFERED AT IKGPTU CONSTITUENT CAMPUSES DURING ACADEMIC SESSION 2021-22

Campus Name	Department	Course	Intake for 2020 Admissions
Hoshiarpur Campus	Computer Science & Engineering	B.Tech CSE (4 Years)	60
		B.Tech CSE LEET (3 Years)	Nil
	Mechanical Engineering	B.Tech ME (4 Years)	60
		B.Tech Mechanical Engineering (LEET)	30
	Civil Engineering	B.Tech Civil Engg. (LEET)	60
	Computer Applications	BCA	60
	Total Intake		270
Amritsar Campus	Computer Science & Engineering	B.Tech CSE (4 Years)	60
		M.Tech CSE	18
	Mechanical Engineering	B.Tech ME (4 Years)	60
	Computer Applications	BCA	60
	Total Intake		198
Mohali Campus - I	Computer Science & Engineering	B.Tech CSE (4 Years)	60
		M.Tech CSE	18
	Computer Applications	BCA	40
	Total Intake		118
Mohali Campus - II	Architecture	B. Architecture	40
		M. Architecture	20
	Planning	M. Planning	18
		B.Sc. Architecture Basics	40
	Total Intake		118

## IKGPTU HOSHIARPUR CAMPUS



IKGPTU, Hoshiarpur Campus formerly known as “Punjab Institute of Technology, Hoshiarpur” was established in the year 2013 under the aegis of I.K. Gujral Punjab Technical University, Kapurthala. A land of 22.7 acre was allocated on lease for the establishment of this Institute in the premises of Pt. J.R.Govt. Polytechnic College, Hoshiarpur. This institute is planned with the vision to spread quality education in the region which is vastly covered by the Kandi area. This campus is committed to the cause of excellence in higher education in the field of Engineering, Technology and Management. The IKGPTU, Hoshiarpur Campus will provide the opportunity to minorities and lower income students who otherwise has

### Program Offered

S. No.	Programme	Intake	Duration
1	B.Tech Computer Science & Engineering*	60	4 Years
2	B.Tech Mechanical Engineering*	60	4 Years
3	B.Tech. Civil Engg. (Lateral Entry)	60	3 Years
4	BCA	60	3 Years

\*Lateral Entry to B.Tech courses shall be allowed as per Punjab Govt./IKGPTU Norms

### SALIENT FEATURES

- Only Government Engineering Campus in the heart of city with lush green campus spread in 22.6 acres
- Ph.D. Qualified and Experienced Faculty
- Post Matric Scholarship Scheme (PMSS) for eligible SC/ST Students as per Punjab Government rules
- Fee-Waiver Scheme for Economical Weaker Section (EWS)
- Tuition Fee Waiver scheme for top three students in each branch.
- Well Equipped Laboratories and Library
- Free Access to E-books and reputed Journals
- Indoor and Outdoor Sports Activities
- Fully Wi-Fi Campus
- Separate hostel facility for Boys and Girls
- Parking facility for students
- Power backup facility



Prof. (Dr.) Ashish Arora  
Director, IKGPTU Hoshiarpur Campus  
dr.ashish10@hotmail.com  
+91-9478098067



# MECHANICAL ENGINEERING

## PROGRAMME(S) OFFERED

Programme	Intake	Duration
B. Tech. ME	60	04 years

## RESEARCH AREAS

- Thermal Engg.
- Industrial Engg.
- Welding Technology
- Materials Engg.
- Design Engineering
- CAD/CAM
- Biofuels

## FACULTY MEMBERS/SUPPORT STAFF

Name	Designation	Experience	Specialisation
Dr. Sunil K Mahla	Asstt. Professor	20 Years	Thermal Engg, IC Engines & Biofuels
Dr. Shashi Bahl	Asstt. Professor	18 Years	CAD/CAM & Robotics
Dr. Amit Handa	Asstt. Professor*	18 Years	Machine Design
Er. Rajinder Kumar	Tech. Asst.	1yr	Production

*\*Our Energetic Guest Faculty.*

## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 03
- Paper Presentations in International Conferences: 03
- Books/Book Chapters Published: 30
- Projects Undertaken by Faculty: 02
- Research Scholars Guiding (PhD): 05
- Research Publications in National Journals: 24
- Research Publications in International Journals: 110
- Patents: 03
- Research Scholars Guided (PhD): 04

## PROJECTS UNDERTAKEN BY FACULTY (DR. SUNIL K. MAHLA)

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co - Principal Investigator
Studies on Combustion, Performance and emission characteristics of diesel engine fuelled with Biodiesel and Biogas	19,20,000	SERB	Principal Investigator
Reforming of Biogas for Hydrogen Production & its utilization in CIEngine under dual fuel mode	38,95,000	MNRE	Co-Principal Investigator

## DEPARTMENT LABORATORIES



Fluid Mechanics Lab



Computer Aided Manufacturing Lab



Refrigeration and Air Conditioning Lab



Applied Thermodynamics lab



Mechanical Lab



Mechanical Lab

## COMPUTER SCIENCE & ENGINEERING & COMPUTER APPLICATION

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B.Tech. Computer Science & Engg.	60	04 years
BCA	60	03 years

### RESEARCH AREAS

- Machine Learning
- Image Processing
- Neural Networking
- Fuzzy Mathematics
- Time Series
- Optimization Techniques
- Network Security
- Data Mining
- Applied Mathematics
- Wavelet Analysis
- Mathematical Modelling
- Networking
- Control System
- Applied Statistics
- Soft Computing

### FACULTY MEMBERS/SUPPORT STAFF

Name	Designation	Experience	Specialisation
Dr. Brijesh Bakariya	Asstt. Professor	11 Years	Data Mining, Machine Learning, Image Processing
Dr. Kulwinder Singh Parmar	Asstt. Professor	13 Years	Time Series, Mathematical Modelling, Soft Computing, Artificial Neural Networks, Wavelets, Statistics
Dr. Sonu Bala Garg	Asstt. Professor	18 Years	Control Systems & Data Mining
Er. Priyanka	Tech. Asst.		
Er. Umesh	Tech. Asst.		

*\*Our Energetic Guest Faculty.*

### RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 14
- Paper Presentations in International Conferences: 15
- Books/Book Chapters Published: 6
- Research Scholars Guiding (PhD): 05
- Research Publications in National Journals : 04
- Research Publications in International Journals : 27

## DEPARTMENT LABORATORIES



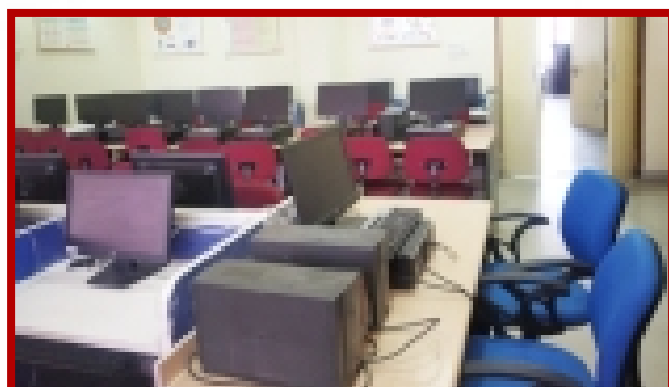
Networking Lab



Programming Lab



Auto CAD Lab



Computing Lab

# CIVIL ENGINEERING

## PROGRAMME(S) OFFERED

Programme	Intake	Duration
B.Tech Civil Engg -Lateral Entry	60	03 years

## RESEARCH AREAS

- Water & Waste Water
- Anaerobic Treatment
- Aerobic Treatment

## FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr Rinku Walia	Assistant Professor	11	Environment Engg
Er. Puneet Kumar	Tech. Asst.	6	Btech Civil Engg

\*Our Energetic Guest Faculty

## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 5
- Paper Presentations in International Conferences: 20
- Books/Book Chapters Published: 03
- Projects Undertaken by Faculty: 2
- Research Scholars Guiding (PhD): 02
- Research Publications in International Journals:7
- Research Scholars Guided (PhD):1

## PROJECTS UNDERTAKEN BY FACULTY

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co - Principal Investigator
Rain water harvesting induced artificial recharge in Chandigarh	1,20,000	DST Chandigarh	Principal Investigator
Bench Scale model of artificial recharge structure	50,000	Institute of Engineers	Principal Investigator

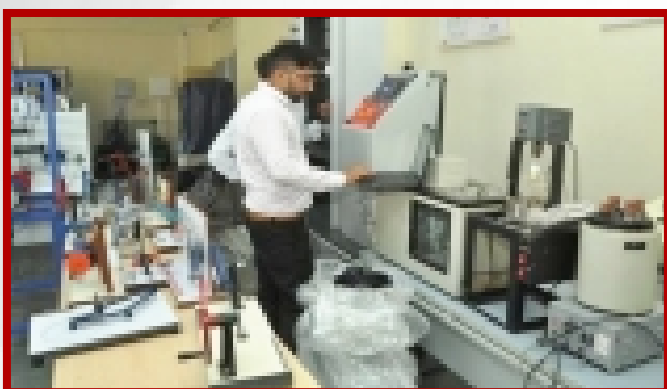
## STUDENT PLACEMENTS

Student Name	Company	Package Offered
Amanpreet Singh	Au small Finance Bank	2.1 Lakh

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Shivam Singh	Quiz	Awareness on disinfection and biomedical Waste Management	17/7/2020
Shivam Singh	Quiz	National level civil engg Quiz competition on concrete technology	7/8/2020
Gurpreet Yadav	Online webinar	BIM in construction Management	2/7/2020

## DEPARTMENT LABORATORIES



*Strength of Materials Lab*



*CAD/CAM Lab*



*Structural Analysis Lab*



*Transportation Lab*



*Civil Lab*



*Civil Lab*



## EVENTS ORGANISED/STUDENT ACTIVITIES:



*One-Week Survey Camp was planned at Chohal Dam*



*Engineering Survey Camp, 3rd year students of Civil Engg.*



*Third Year student undergoing industrial training 2020*



*Final Year student undergoing industrial Training 2021*



*Students doing practical in Lab*



*Students doing practical in Lab*

## EVENTS AT HOSHIARPUR CAMPUS



Inauguration of Block-2 at HSP Campus on 15th Jun 2021



Block -2 Inauguration by VC Sir on 15<sup>th</sup> Jun 2021



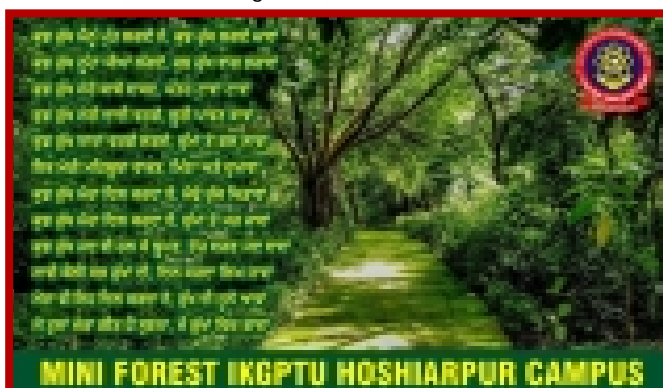
Inauguration of Block-2



Inauguration of Block-2



Group photo with VC sir during inauguration of Block-2



Establish of Micro Green Forest at HSP Campus



Micro Green Forest



Establishment of Micro Green Forest in collaboration with District Forest Officer, HSP.

## EVENTS ORGANISED BY NSS COMMITTEE



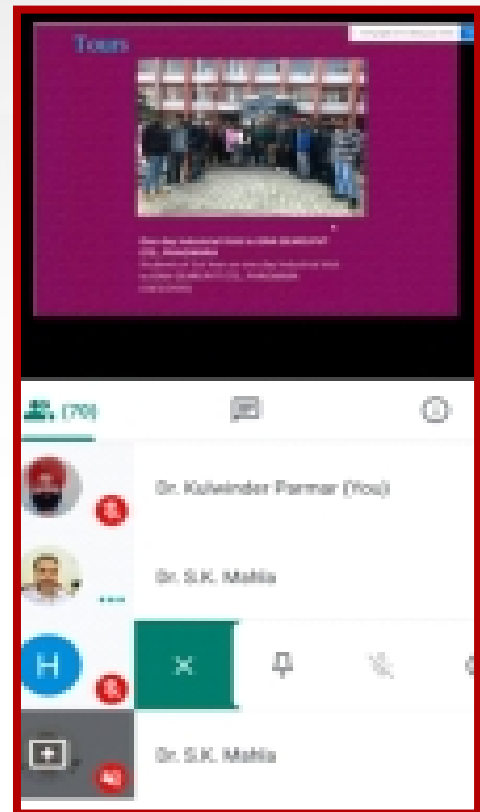
The Campus organized a webinar on "World No Tobacco Day 2021" dated 31 May 2021 for spreading awareness about the harmful effects caused due to Tobacco.

Patron: Prof(Dr.) Ajay Kumar Sharma,  
Hon'ble Vice-Chancellor, IKGPTU Kapurthala

Co Patron: Prof(Dr.) Vikas Chawla (Dean, Academics)  
Prof(Dr.) Ashish Arora (Director)  
Er. Reeti Pal Singh (Dy. Director)  
Sh. Gaganjot Singh (Dy. Registrar)  
Organized By  
Dr. Kulwinder Singh Parmar  
Dr. Brijesh Bakariya  
Er. Puneet Kumar



World Habitat Day: SAP (Swachhata Action Plan)  
on 05 Oct, 2020: The lecture delivered by  
Dr. Kulwinder Singh Parmar and Prof. Reeti Pal Singh.  
More than 70 students attended the lecture.



Online Induction Program for newly admitted students on 02<sup>nd</sup> Oct, 2020



Webinar on Basic Manufacturing Process for 1st year students of B. Tech and Computer Application.  
By Dr S K Gandhi on 08<sup>th</sup> Oct, 2020 And Coordinated by:  
Dr Kulwinder Singh  
Dr Sunil kumar  
Dr Brijesh Bakariya

**Dr B.R Ambedkar and Indian Constitution**

**WEBINAR**




**DR. SANDEEP MEHMI**  
Assistant Registrar, IKGPTU  
Kapurthala

**THURSDAY OCT 08, 2020**  
11:30AM-01:00PM



**COORDINATOR**  
Dr. Kulwinder Singh Parmar  
Dr. Brijesh Bakariya

**Dr. INSTRUCTOR**  
Prof. Reet Pal Singh

**I.K. Gujral Punjab Technical University,  
Hoshiarpur Campus**

A Webnair on Dr B R Ambadker and Indian Constitution, for students of 1st Year B. Tech and BCA  
By Dr Sandeep Mehmi, Asst. Registrar, IKGPTU on 08<sup>th</sup> Oct, 2020 in coordination with Dr Kulwinder Singh Dr Brijesh Bakariya

**I.K. Gujral Punjab Technical University**  
Hoshiarpur Campus

**Dr. Amit Sareen**  
Associate Professor (Physics)  
Exchange Campus (IKGPTU Campus)  
Amritsar

**Date - 17-11-2020**  
**Timing - 2:00 PM - 3:00 PM**

**COORDINATOR**  
Dr. Kulwinder Singh Parmar

**Deputy Director**  
Prof. Reet Pal Singh

**Dr. Kulwinder Singh Parmar**

Webnair on Basics of Semi Conductor Physics  
By Dr Amit Sareen on 17<sup>th</sup> Nov, 2020

**I.K. Gujral Punjab Technical University**  
Hoshiarpur Campus




**Interaction with New Admitted Students**

**COORDINATOR**  
Dr. Kulwinder Singh Parmar  
Dr. Brijesh Bakariya

**Deputy Director**  
Prof. Reet Pal Singh

**Prof. (Dr.) Vikas Chawla**  
Dean Academics  
I.K. Gujral Punjab Technical University, Jalandhar

**Date - 09/10/2020**  
**Timing - 11:00 AM**

Welcome Interaction with newly admitted students on 09<sup>th</sup> Oct, 2020  
By  
Prof. (Dr) Vikas Chawla  
Dean (Academics), IKGPTU

**I.K. Gujral Punjab Technical University**  
Hoshiarpur Campus




**Motivational and Interaction with Newly Admitted Students**

**COORDINATOR**  
Dr. Kulwinder Singh Parmar  
Dr. Brijesh Bakariya

**Deputy Director**  
Prof. Reet Pal Singh

**Dr. Yadwinder Singh Brar**  
Dean Students Welfare  
I.K. Gujral Punjab Technical University, Jalandhar

**Date - 15/10/2020**  
**Timing - 11:30 AM**

Welcome address to newly admitted students of 1st Year B. Tech and BCA students on 15<sup>th</sup> Oct, 2020:  
By  
Dr. Yadwinder Singh Brar  
Dean, Students Welfare, IKGPTU



Book unveiling ceremony by  
Hon'ble Vice Chancellor, IKGPTU on 31<sup>st</sup> Aug, 2020  
Title of Book  
Fundamental Concepts of MATLAB Programming  
written by Dr Kulwinder Singh and Dr Brijesh Bakariya



Visit of Registrar,  
IKGPTU on 23<sup>rd</sup> Dec, 2020 along with Director,  
Main Campus and Executive Engineer,  
IKGPTU to review the progress of Infrastructure  
Development work at Hoshiarpur Campus.

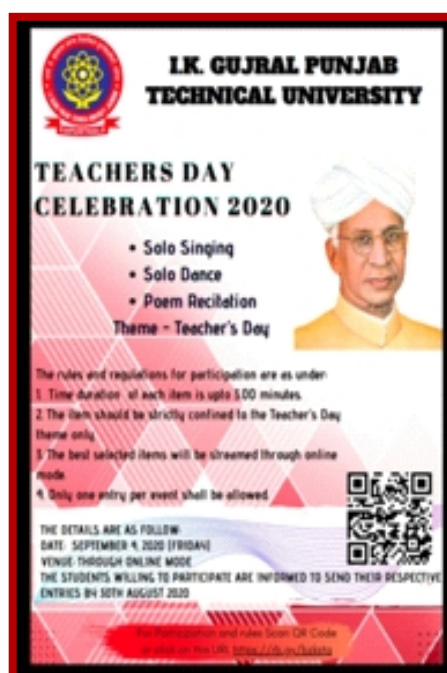
## EVENTS ORGANISED BY CULTURAL COMMITTEE



*Republic Day organised on 26<sup>th</sup> Jan, 2021*



*Lohri function being organised on 13<sup>th</sup> Jan, 2021*



*Teachers Day being celebrated on 4<sup>th</sup> Sep, 2020*



## SPORTS EVENTS



*Cricket Team of Hoshiarpur Campus*



*T20 Cricket Team of Hoshiarpur Campus*



## SPORTS EVENTS



## IKGPTU AMRITSAR CAMPUS



IKGPTU Amritsar Campus has been established in 2014 to provide Quality Technical Education especially to students from rural belt belonging to weaker sections of society and to people of all sections in general. The main focus is to produce Quality Engineers according to the needs of Industry at State, National and International

levels. IKGPTU Amritsar Campus has prime location on G.T Road, Amritsar. It has vast campus having smart classrooms, well equipped labs, updated library with latest collection of books, and a well-equipped conference hall with audio-video facilities.

### SALIENT FEATURES

- Government Institute imparting Undergraduate Courses in Engineering and Computer Applications and Postgraduate course in Computer Science & Engineering in Amritsar District.
- Ultra-Modern Building with state-of-the-art infrastructure.
- Scholarships for meritorious students as per University rules.
- Post Matric Scholarships for SC/ST students as per Punjab Government rules.
- Freeship Scheme for Parentless, Fatherless, Specially Abled and economically Weaker Section.
- Student centric enthusiastic environment.
- Well Qualified and Experienced Staff.
- A student friendly campus with discipline and safety.
- Placements in various leading Multi-National Companies.
- Well Equipped Laboratories and Air-Conditioned Classrooms.



Dr. Amit Sarin  
Director - Amritsar Campus  
Email: [amitsarin@ptu.ac.in](mailto:amitsarin@ptu.ac.in)  
Mobile: +91-946-588-4849

## PROGRAMME(S) OFFERED

Programme	Intake	Duration
B.Tech.-Computer Science & Engineering*	60	04 years
B.Tech. - Mechanical Engineering*	60	04 years
Bachelor of Computer Applications (BCA)*	60	03 years
Master of Technology M. Tech. - Computer Science & Engineering	18	02 years

\*Lateral Entry to B.Tech. & BCA courses shall be allowed as per Punjab Govt./IKGPTU norms.

## RESEARCH AREAS

- Renewable Energy and Materials Science
- Artificial Intelligence
- Materials and Metallurgy
- Optimization Techniques and Inventory Models
- Surface Engineering
- Tribology and Adhesive wear
- Cold Spray Coating
- Differential Equation
- Wireless Sensor Networks
- Software Engineering

## FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Amit Sarin	Associate Professor & Campus In-charge	20 years	Renewable Energy and Materials Science
Er. Rajdeep Singh	Assistant Professor	10.6 years	Wireless Sensor Networks
Dr. SBS Kalsi	Assistant Professor	20 years	Surface Engineering and Cold Spray Coating
Dr. Vikramjeet Singh	Assistant Professor	16 years	Optimization Techniques and' Inventory Models, Differential Equation
Dr. Prabhkiran Kaur	Assistant Professor	20 years	Materials and Metallurgy, Tribology and Adhesive wear
Dr. Vipul Sharma	Assistant Professor	11 years	Artificial Intelligence, Medical Image Processing

## CAMPUS FACULTY AND STAFF MEMBERS



## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 58
- Paper Presentations in International Conferences: 27
- Books/Book Chapters Published: 27
- Projects Undertaken by Faculty: 01
- Research Scholars Guiding (PhD): 10
- Research Publications in National Journals: 42
- Research Publications in International Journals: 97
- Patents: 01
- Research Scholars Guided (PG): 17
- Research Scholars Guided (PhD): 09

## PROJECTS UNDERTAKEN BY FACULTY

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co - Principal Investigator
Physico chemical characterization of methyl oleate methyl palmitate blend as a model system for jatropha palm biodiesel	27 Lakhs	Science and Engineering Research Board, New Delhi	Dr. Amit Sarin

## PATENTS GRANTED

Title of Invention	Patent Number/ Application Number	Name of Inventor
Patent "A Coating Process for medical waste incinerator"	The patent office journal No. 08/2019 Dated: 22/02/2019	Dr. SBS Kalsi

## STUDENT PLACEMENTS

Student Name	Company	Package Offered
Mr. Gaurav Dadwal	BYJU'S	10.0 LPA
Mr. Reshav Thakur	BYJU'S	10.0 LPA
Akshay Kumar	Accenture PLC	5.0 LPA
Shivam Arora	Rein Games Pvt. Ltd.	5.0 LPA
Simranjeet Singh	Tata Consultancy Services	3.26 LPA
Shivani Sharma	Covalience (GP Sourcing Pvt. Ltd.)	3.0 LPA

## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Mr. Ashish, Ms. Vikansha Mr. Gaurav, Ms. Parveen Mr. Reshav	Successfully completed	Adventure Program organized by IKGPTU, Kapurthala at Manali	June, 2019
Mr. Ashish, Mr. Gaurav Mr. Sourav, Mr. Jagdeep Mr. Vishal, Mr. Lovejit Mr. Arpit	2 <sup>nd</sup> Prize	Drug De-Addiction Awareness Camp organized by NSS Department, IKG PTU Kapurthala	Feb, 2019
Ms. Raveena, Ms. Jyoti Ms. Ramandeep Kaur Mr. Ankush, Mr. Adarsh	Bronze Medal in Group Song Indian	Group Song (Indian) event at Inter Zonal Youth Festival North Zone by IKGPTU	Oct, 2018
Mr. Gagandeep Singh Ms. Ramandeep Kaur Ms. Kawalpreet Kaur Mr. Harwinder Singh Ms. Amandeep Kaur Ms. Simranjeet Kaur Mr. Lovejit Singh Mr. Manpreet Singh Ms. Arshpreet Kaur	Bronze Medal in One Act Play	Inter Zonal Youth Festival North Zone by IKGPTU	Oct, 2018
Mr. Lovedeep, Mr. Baljinder Mr. Sourav Kumar	Bronze Medal in Quiz	Inter Zonal Youth Festival North Zone by IKGPTU	Oct, 2018
Mr. Reshav Thakur Ms. Preetika Malik	Bronze Medal in Debate	Inter Zonal Youth Festival North Zone by IKGPTU	Oct, 2018
Mr. Manjinder Singh Ms. Preetika Malik Mr. Mohit	Won First Prize in SKIT	ACET Prayaas	Mar, 2018
Amritsar Campus Bhangra Team (Mixed)	Won Second Prize in Group Dance	Annual Event – Aarunya IIM Amritsar	Feb, 2018
Ms. Navneet Kaur	Won Gold Medal in Mehndi	Inter-Zonal Youth Festival (North Zone), Badhani	Nov, 2017
Ms. Jobanjit Kaur	Won Silver Medal in Poster Making	Inter-Zonal Youth Festival (North Zone), Badhani	Nov, 2017
Ms. Preetika Malik	Won Silver medal in Creative Writing (Story)	Inter- Zonal Youth Festival (North Zone), Badhani	Nov, 2017
Mr. Ankit Srivastav	Won Silver Medal in Creative Writing (Poem)	Inter-Zonal Youth Festival (North Zone), Badhani	Nov, 2017
Mr. Ankit Mr. Rudhar Mr. Reshav	Won Silver Medal in Quiz	Inter-Zonal Youth Festival (North Zone), Badhani	Nov, 2017
Amritsar Campus Bhangra Team (Mixed)	Won Bronze Medals	Inter-Zonal Youth Festival (North Zone), Badhani	Nov, 2017
Amritsar Campus Giddha Team	Won Bronze Medals	Inter-Zonal Youth Festival (North Zone), Badhani	Nov, 2017



## DEPARTMENT LABORATORIES



*Computer Science & Engineering Laboratory*



*Computer Applications Laboratory*



*Communication Skills Laboratory*



*Mechanical Workshop*



*Refrigeration and Air Conditioning Laboratory*



*Theory of Machine Laboratory*



*Engineering Chemistry Laboratory*



*Engineering Physics Laboratory*



*Mechanical Measurement and Metrology Laboratory*

## EVENTS ORGANISED



*I.K.G PTU Amritsar Campus organized "1st Virtual Alumni Meet for IKGPTU Amritsar Campus" on 12.09.2020 - A programme to facilitate, consolidate and coordinate Alumni Activities. More than 50 passed students of IKGPTU Amritsar campus attended the virtual alumni meet. Honourable Vice Chancellor Prof. (Dr.) Ajay Kumar Sharma was chief guest during the said event.*



*Hon'ble Vice-Chancellor, IKGPTU releasing the Yearly Booklet of IKGPTU Amritsar Campus showcasing the highlights of the achievements of students and staff of IKGPTU Amritsar Campus*



*Inauguration of Computer Applications Lab and Mechanical Workshop by Hon'ble Vice-Chancellor, IKGPTU*



*Director (Main Campus), IKGPTU giving Certificates and Medals to the Students in Prize Distribution Function held at IKGPTU Amritsar Campus*



*Farewell Party held at IKGPTU Amritsar Campus to adieu seniors*



*Students performing Giddha at Inter-Zonal Youth Festival – North Zone*



*Students performing Bhangra at Inter-Zonal Youth Festival – North Zone*

## EVENTS ORGANISED



*Tree Plantation Drive held at IKGPTU Amritsar Campus*



*Induction Programme organized at IKGPTU Amritsar Campus for newly admitted first year students*



*Industrial Visit of Mechanical Engineering students to Ranjit Sagar Dam*



*Industrial Visit of Computer Science & Engineering students to Impinge Solutions, Mohali*



*Dr. Yadwinder Singh Brar, Director (Main Campus) distributing Mr. Fresher and Miss Fresher to the students at the Fresher's Party 2020.*

### CAMPUS ADDRESS

IKGPTU Amritsar Campus,  
P.O. Chheharta, Amritsar, Punjab – 143105

#### General Enquiry and Admission Helpline:

Mr. Tarun Kanodia – +91-708-736-4656

#### Director, IKGPTU Amritsar Campus

Dr. Amit Sarin  
+91-946-588-4849

+91-183-245-0034

✉ campus.amritsar@ptu.ac.in

🌐 <http://amritsar.ptu.ac.in/>

### For Admission Query (Department Wise)

#### Department of Computer Science & Engineering (CSE)

Dr. Vipul Sharma – +91-814-600-0911  
Er. Rajdeep Singh – +91-947-809-8065

#### Department of Mechanical Engineering (ME)

Dr. SBS Kalsi – +91-946-588-4830  
Dr. Prabhkiran Kaur – +91-959-230-6235

#### Department of Computer Applications (BCA)

Dr. Vikramjeet Singh – +91-998-860-0780

Er. Rajdeep Singh – +91-947-809-8065

## IKGPTU MOHALI CAMPUS - I



The IKGPTU Mohali Campus– I is a constituent campus of I K Gujral Punjab Technical University. It has been started with an aim to develop state-of-art infrastructure to facilitate academic and industries to work as a team on

real life problems and generate innovative technologies to serve people of Punjab, India and world at large. This institute is the only Govt. Engineering Institute in Mohali.

### SALIENT FEATURES

- ❖ Ph.D. Faculty
- ❖ Scholarship for Meritorious Students as per University Norms
- ❖ Post-Metric Scholarships for SC/ST Students as per Punjab Govt. Rules
- ❖ Fee-waiver Scheme for Economical Weaker Section (EWS)
- ❖ ICT enabled Air-Conditioned Class Rooms
- ❖ Fully Wi-Fi Campus
- ❖ Free Access to E-books & Reputed Journals
- ❖ Hi-Tech Conference Room and Seminar Halls
- ❖ Indoor & Outdoor Sports Activities
- ❖ Transportation Facility
- ❖ Secured Hostel Facility for Boys & Girls
- ❖ 7 Km from ISBT Sector-43, Chandigarh
- ❖ 2 Km from Mohali Bus Stand



Dr. Monika Sachdeva  
Campus In-charge (Additional Charge)  
Email: monika@ptu.ac.in  
Mobile: +91-946-588-4822

### PROGRAMME(S) OFFERED

Programme	Intake	Duration
B.Tech CSE	60	04 years
B.Tech CSE (LEET)	06	03 years
BCA	40	03 years



## RESEARCH AREAS

- Network Security
- Digital Image Processing
- Computer Networks

## FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Monika Sachdeva	Professor	2x Years	Network security
Dr. Neeraj Mohan	Assistant Professor	19 Years	Network Traffic Management, Computer Networks
Dr. Harpreet Kaur	Assistant Professor	07 Years	Wavelet Based Solutions of Differential Equations

## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 09
- Paper Presentations in International Conferences: 20
- Books/Book Chapters Published: 08
- Projects Undertaken by Faculty: 03
- Research Scholars Guiding (PhD): 11
- Research Publications in National Journals:
- Research Publications in International Journals: 100
- Patents : 01 -02
- Research Scholars Guided (MTech/MBA/MSc/MPhil): 60
- Research Scholars Guided (PhD): 07

## DEPARTMENT LABORATORIES:



*Computer Programming Lab*



*English Communication Skills/ Language Lab*

## EXTRA CURRICULAR ACTIVITIES



*Volleyball Tournament*



*Taekwondo Competition*





*Bhangra Classes*



*Kabaddi*

### **Admission Cell IKGPTU, Mohali Campus - I**

- Dr. NEERAJ MOHAN,  
Head of Deptt. (CSE )  
(+91-9463383753)  
Email-Id:- dr.neeraj@ptu.ac.in
- Dr. Harpreet Kaur,  
Assistant Professor  
(+91-9465884840)  
Email-Id: dr.harpreet@ptu.ac.in

#### **General Enquiry**

- S. Malkiat Singh, SA  
+91-9478098089
- Mr. Ravinder Shah, Clerk  
+91-9041747753
- Email ID : [ikgptuadmmisions@gmail.com](mailto:ikgptuadmmisions@gmail.com)
- Department Website Page URL:<http://mohali.ptu.ac.in/>

## IKG PTU MOHALI CAMPUS - II

IKGPTU Mohali Campus-II has started functioning in 2014 as a 'School of Built Environment to provide quality education to the students both at undergraduate and postgraduate level to cater to the needs of Building industry. The target does not end at just producing Architects/Engineers/Professionals with B. Arch., B. Tech or Master's program but also to encourage skill development programs with the certificate courses. This campus also encourages research in various disciplines. The programs to be started in the institute would be in conformity with the present and futuristic needs of the industry. At present institute offers B, Arch, M.Arch. in Architecture Education and Research, B.Sc (Architecture basics) and M.Planning.



Dr. Prabhjot Kaur  
Campus Director  
Email: [inchargemohalicampus@ptu.ac.in](mailto:inchargemohalicampus@ptu.ac.in)  
Mobile: +91-947-809-8050

### SALIENT FEATURES

- Premier state govt institute established in this region offering courses in Architecture & Planning.
- Located at Kharar-Banur National Highway, Sector-115, Mohali, with close proximity to Chandigarh.
- Experienced faculty with varied specialisation in different fields of built environment.
- Reputed Guest Faculty from the Profession.
- Industry –Academic Synergy and Training imparted in

reputed Govt and Private Organisations.

- Excellent lab facilities, Modern infrastructure, Studios and Classrooms.
- Well equipped Library and Resource Centre.
- Separate hostel facility for boys and girls available
- All Govt. Scholarships from GoP and meritorious students scholarship for IKGPTU are available

### PROGRAMME(S) OFFERED

Programme	Intake	Duration	Remarks
B. Architecture	40	05 years	NATA Required
B.Sc. (Architecture Basics)	40	03 years	No NATA or JEE Required. Allowed to practice Architecture consultancy after graduation and ample placements
M. Architecture (Education and Research)	20	02 years	GATE preferred/ample placements
M. Planning	18	02 years	

### RESEARCH AREAS

- Architecture Education and contemporary practices
- Construction Management, Vernacular and Low cost Architecture
- Architectural Design, Urban Planning
- Geology, Geotechnical, Remote Sensing and GIS
- Indigenous architecture and vernacular technologies
- Sustainability & NetZero, Low Carbon Buildings
- Civil Structures and Low cost Architecture
- Optimization of bioenergy in diesel generator for rural electrification using artificial neural network
- Sustainable Architecture

## FACULTY MEMBERS

Name	Designation	Experience	Specialisation
Dr. Prabhjot Kaur	Director (Officiating)	38 Years	Architecture Education and contemporary practices
Dr. Mukta Sharma	Incharge	13 Years	Engineering, Geology and GIS, Natural Disasters, Disaster Management, Remote Sensing and GIS
Dr. Gurkirpal Singh	Assistant Professor	23 Years	Architectural Design, Urban Planning and Civil
Dr. Neeru Singla	Assistant Professor	16 Years	Civil Structures
Ar. Jyoti Singh	Assistant Professor	11 Years	Architectural Education and Research, Energy Efficiency in Buildings, Sustainability in Built Environment, Green Architecture, Net Zero Buildings.
Ar. Damandeep Kaur	Assistant Professor	11 Years	Construction Management, Vernacular and low-cost Architecture

## GUEST FACULTY

Name	Designation	Experience	Specialisation
Ar. Ranjeet Kaur	(Guest Faculty)	40 Years	Town & Planning A renowned academician
Ar. Preeti Gupta	(Guest Faculty)	37 Years	Hill Architecture, Land Scape, Architecture Research & Design
Dr. Shikha Aggarwal	(Guest Faculty)	11 Years	Energy and sustainable development, Net Zero, Low Carbon construction.
Ar. Priyank Jain	(Guest Faculty)	5 Years	Education Pedagogy
Ar. Manmeet Kaur	(Guest Faculty)	5 Years	Theory of Architecture & Professional Practice
Ar. Kanika Gupta	(Guest Faculty)	2 Years	Climatology, Building Services

## RESEARCH PUBLICATIONS/PATENTS/PROJECTS/RESEARCH GUIDANCE

- Paper Presentations in National Conferences: 24
- Paper Presentations in International Conferences: 13
- Projects Undertaken by Faculty (DST): 1
- Research Scholars Guiding (PhD): 06
- Research Publications in National Journals: 28
- Research Publications in International Journals: 28
- Patents: 02
- Research Scholars Guided (PhD): 07
- Research Scholars Guided (PG): 25

## PROJECTS UNDERTAKEN BY FACULTY

Project Title/Details	Sanctioned Amount	Funding Agency	Principal/Co - Principal Investigator
DST Project Undertaken By Dr. Mukta Sharma, 'Large scale Geological –Geotechnical Mapping of Vulnerable landslide zones along Srinagar to Rudraprayag National Highway, Uttarakhand'	20,60,000	DST	Dr. Mukta Sharma

## PATENTS GRANTED

Title of Invention	Patent Number/ Application Number	Name of Inventor
"Kaur's Energy Efficiency Design Discs"	303110	Dr. Prabhjot Kaur
"A system for generation and optimization of bioenergy in diesel generator for rural electrification using artificial neural network"(ANN)	21/2019	Dr. Neeru Singla

## WEBINAR ORGANIZED/ PARTICIPATED AS PANELLIST

Webinar Title	Experience	Specialisation
"Adaptive Thermal Comfort For Sustainability" IGBC	Er. Samta Bajaj	28/1/2021
Architecture Shapes Behaviour"IGBC	Ar. Sandeep Padora, Guru Gauranga Das	30/4/2021
"Strategic Approach To National Water Management" IGBC	Dr. Jyotirmay Mathur	22/5/2021
NEP: Roadmap for transformation of Higher Education in India	Dr Prabhjot Kaur	30/09/2020



## STUDENT PLACEMENTS INFORMATION

The first two batches of total 40 students graduated in the year 2019 & 2020 almost all are placed with the reputed architects of the Northern Region.

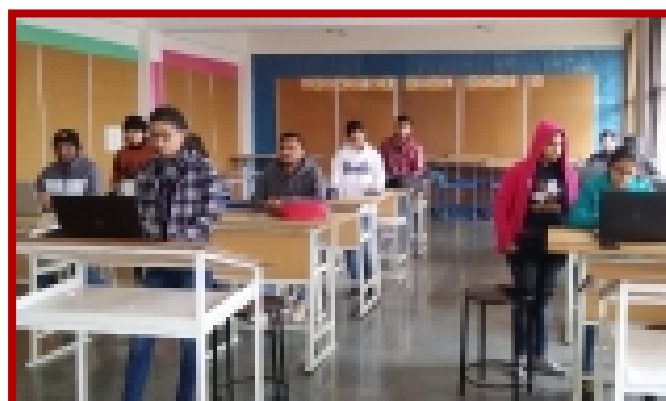
## AWARDS/ACHIEVEMENTS OF STUDENTS

Student Name	Award/Achievement	Event	Month-Year
Jyotsana Gupta (Team Leader)	3rd Prize (Drama Competition)	Drama Competition at IKG PTU, Jalandhar	Feb, 2019
Jaskaran Singh	1st Prize	Face Painting competition was organised at Govt College, S.A.S Nagar.	Apr, 2019
Pearl Bhinder	1st Prize	Face Painting (Co-partner)	Apr, 2019
Gaurav Sahu	2nd Prize Extempore	Youth Technical Festival at Govt College S.A.S, Nagar, Mohali.	Apr, 2019
Jaskaran Singh	2nd Prize Live Sketching	PTU Youth Festival Organised at Doaba Group of Colleges, Kharar.	Oct, 2019

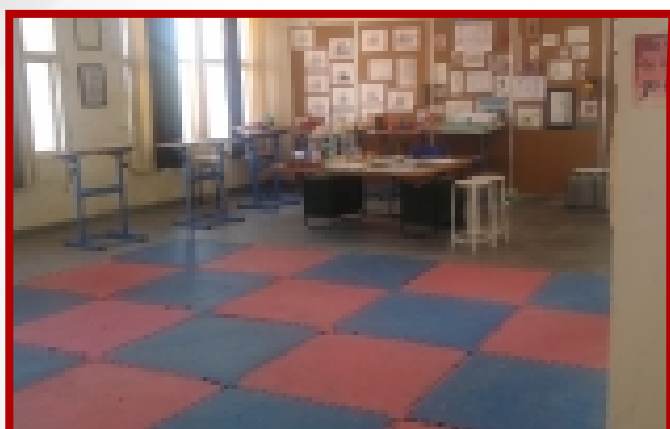
## DEPARTMENT LABORATORIES:



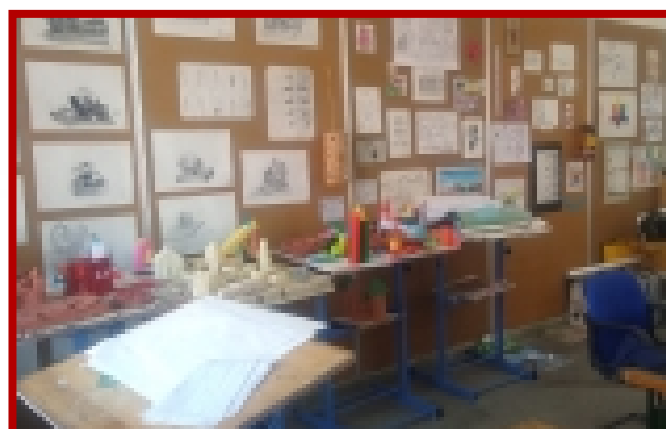
Computer Lab



Studio



Art & Design Lab



Workshop



*Art & Design Lab*



*Resource Center*



*Faculty Mohali Campus-II*



*Student Published work in WGBC Journal*

## EVENTS ORGANISED/STUDENT ACTIVITIES



Students of Mohali Campus-II participated in Chandigarh Urban Fest (CUF-19) dated 24 February 2019



Tree plantation drive of planting 550 trees in and around the campus was taken to celebrate 550<sup>th</sup> year of Guru Nanak Dev ji.





*One week orientation Program was organised from 5<sup>th</sup> August 2019 for the 1st semester students*



*2 days Brick Masonry workshop from dated 21-10-2019 to 22-10-2019 has been conducted in the campus for the students of I<sup>st</sup> & II<sup>nd</sup> year.*



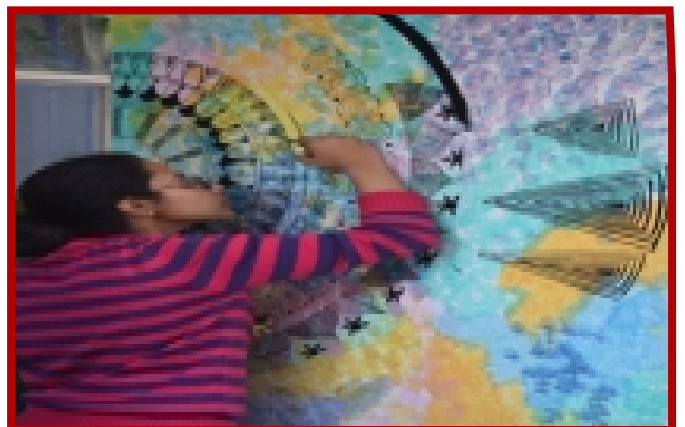
*Students of the campus participated in one week Zonal NASA convention held at Purnima University, Jaipur*



*LEED lecture and visit to Infosys campus , I.T. Park Chandigarh*



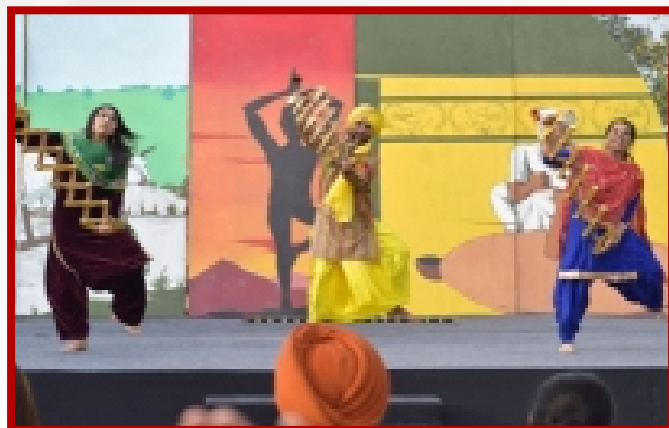
*Faculty Development Program on GIS Application in Architecture and Civil Engineering at IKG PTU Mohali Campus-II*



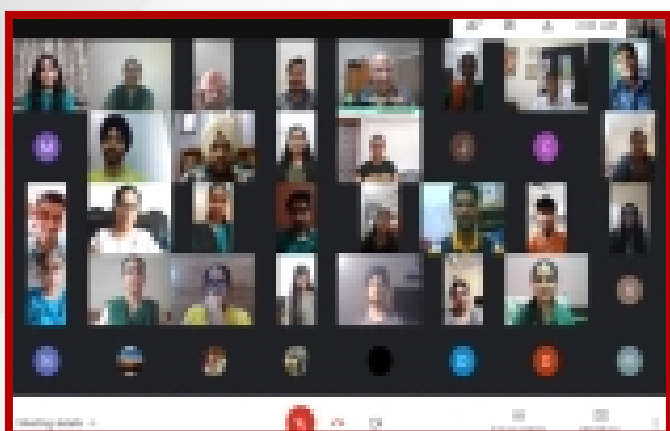
*Wall Painting Competition at IKG PTU Mohali Campus-II*



*World Environment Day Celebration ( Time for Nature)*



*Poster Making Competition on Environment Day*



*World Environment Day Celebration ( Time for Nature)*



*Poster Making Competition on Environment Day*

Department Website Page URL: <http://mohalicampus.ptu.ac.in>

Contact Information of HOD (to be added at the end of brochure for admission inquiry)

Name: Dr Mukta Sharma

Contact Number: 9478098123

Dr. Gurkirpal Singh Contact Number: 8360453299

## CONTACT DETAILS OF MAIN CAMPUS

### MAIN CAMPUS

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