

PUNJAB ENGINEERING COLLEGE

(DEEMED TO BE UNIVERSITY)

CHANDIGARH



PhD Admission Brochure Session 2024-25 (January 2025 Intake)

Registration Fee (Non-Refundable) for General: Rs. 1500/for SC/ ST: Rs. 750/-

(Fee for Additional Discipline: for General: Rs. 500/for SC/ ST: Rs. 250/-)

For Admission to PhD Programmes

Punjab Engineering College (Deemed to be University), Chandigarh Admission Notice

Admission to PhD Programmes

Online Applications are invited for admission to PhD Programmes in various disciplines as mentioned in **TABLE-1**. The important dates regarding admission related activities are mentioned in **TABLE-2**. Applications may be submitted through the link on institute website **https://pec.ac.in/admissions/phd.** Hard copy of the registration form along with self-attested photocopies of the relevant documents and proof of payment of non-refundable registration fee of Rs. 1500/- or 750/- (as applicable) is to be submitted to Chairman Admissions, Punjab Engineering College (Deemed to be University), Sector – 12, Chandigarh – 160012 by hand /registered post/ speed post on or before the prescribed date and time. The candidates applying for more than one discipline should submit separate print-outs of the online registration form for the additional discipline. A sum of Rs. 500/- (non-refundable) for General Category candidates and Rs. 250/- (non-refundable) for SC/ ST candidates is to be paid as registration fee for the additional discipline applied. A candidate is permitted to apply for maximum two disciplines only.

TABLE-1
Area of Specialization and Qualifying Degree for PhD Admission for the session 2024-25 (January, 2025 Intake)

Sr. No	Department	Area of Specialization(s)	Qualifying Degree, eligible branches
1	Aerospace Engineering		 M.E./M.Tech. in Aerospace Engineering B.E./B.Tech. in Aerospace Engineering M.E./M.Tech. in Aeronautical Engineering B.E./B.Tech. in Aeronautical Engineering Or Any Other Equivalent
2	Chemistry	 Waste water treatment Organometallics Synthetic Organic Chemistry (Natural Products and Heterocycles) Green Chemistry Ionic liquids Metal oxide nanomaterials Nano structures Corrosion resistant materials 	 M.Sc. in Chemistry M.Sc. Applied Chemistry M.Sc. Industrial Chemistry M.Sc. Environmental Sciences M.Tech./M.E in Chemical Engineering M.Sc. Material Science M.Tech./M.E in Environmental Engineering

		 Chemosensors Nano catalysis Photo catalysis Environmental Chemistry 	 M.Tech./M.E in Material Science And Engineering M.Tech./M.E in Material and Metallurgical Engineering M.Sc/M.Tech Biotechology M.Sc/M.Tech Polymer Technology M.Sc Pharmaceutical Chemistry Or Any Other Equivalent
3	Mathematics	 Algebra Coding Theory Computer Graphics General Topology Fuzzy Topology Nano Topology Rough Set Theory and Decision making Operation Research Multiobjective Optimization Fuzzy Theory Abrtract Harmonic Analysis Fractal Geometry Operator Theory Spectral Theory Fixed Point Theory 	 M.Sc. in Mathematics Or Any Other Equivalent
4	Physics	 Ferroelectric and Piezoelectric materials Relaxor ferroelectrics Magneto Electric Composites Multiferroics Structure-property correlations Magnetic Semiconductors Electrochemical Energy Storage Multifunctional Materials for Energy, Environmental and Healthcare applications Computational Studies of Thermoelectric materials Hybrid functional materials and thin films for Energy and Biomedical Applications. 	 M.Sc. in Physics M.Sc. in Applied Physics M.Sc. in Materials Science M.Sc. in Energy Science M.E./M.Tech. in Electronics M.E./M.Tech. in Electronics & Communication Engineering M.E./M.Tech. in Material Science M.E./M.Tech. in Materials and Metallurgical Engineering B.E./B.Tech. in Engineering Physics M.E./M.Tech. in Nanotechnology B.E./B.Tech. in Electronics B.E./B.Tech. in Electronics & Communication Engineering B.E./B.Tech. in Material Science B.E./B.Tech. in Materials and Metallurgical Engineering B.E./B.Tech. in Nanotechnology Or Any Other Equivalent

5	Civil Engineerine	Change transport	ME /MTools in Circle England
3	Civil Engineering	 Structural Engineering Transportation Engineering	 M.E./M.Tech. in Civil Engineering B.E./B.Tech. in Civil Engineering
		 Water Resources Engineering 	• Or Any Other Equivalent
		• Environmental Engineering	of finly other Equivalent
		Geotechnical Engineering	
		Construction Technology	
		& Management	
		 Remote Sensing and GIS 	
6	Computer	Artificial Intelligence	M.E./M.Tech./MSc. in Computer
	Science &	Machine Learning	Engineering
	Engineering	Soft Computing	M.E./M.Tech./MSc. in Computer
		Natural Language Processing	Science
		Speech Technology	M.E./M.Tech./MSc. in Computer
		Bio-Informatics	Science & Engineering
		Wireless Sensor Networks	• M.E./M.Tech./MSc. in Computer
		Networks & Security	Science & Information
		Mobile & Adhoc Networks	Technology
		Deep Learning	M.E./M.Tech./MSc. in Computer
		Medical Imaging	Technology
		IOT & related areas	• M.E./M.Tech./MSc. in
		Software Engineering	Information Technology
		Software Testing	M.E./M.Tech./MSc. in Computer
		Information retrieval	Science & Technology
		Prediction Algorithms	M.E./M.Tech./MSc. Computer
		• Cryptography	Science & Engineering (Artificial
		Data Analytics	Intelligence)
		Fault-Tolerant Distributed	M.E./M.Tech./MSc. Computer Computer Comput
		Computing	Science & Engineering (Machine
		Explainable Artificial	Learning)
		Intelligence	M.E./M.Tech./MSc. Computer Science & Engineering (Data)
		 Blockchain Technology 	Science & Engineering (Data Science)
		• IOT	M.E./M.Tech./MSc. in Computer
		• SDN	Science & Engineering (Cyber
		 Wireless Communication 	Security)
		 Network Security 	• M.E./M.Tech./MSc. in Software
		AI & ML	Engineering
		• VANET	M.E./M.Tech./MSc. in Electrical
		Web Crawling	& Electronics Engineering
		 Dark Web and Deep Web 	M.E./M.Tech./MSc. in Electrical
		• Latest Areas Related to Covid 19	Engineering
		Automata Theory	M.E./M.Tech./MSc. in Electronics
		Or any other equivalent or	& Communication Engineering
		related area	MSc (CSE/IT)
			• MCA
			B.E./B.Tech. in Computer
			Engineering
			B.E./B.Tech. in Computer Science
			B.E./B.Tech. in Computer Science
			& Engineering

7	Electrical Engineering	 Power System Power Electronics Control System Renewable Energy System 	 B.E./B.Tech. in Computer Science & Information Technology B.E./B.Tech. in Computer Technology B.E./B.Tech. in Information Technology B.E./B.Tech. in Computer Science & Technology B.E./B.Tech. Computer Science & Engineering (Artificial Intelligence) B.E./B.Tech. Computer Science & Engineering (Machine Learning) B.E./B.Tech. Computer Science & Engineering (Data Science) B.E./B.Tech. in Computer Science & Engineering (Cyber Security) B.E./B.Tech. in Software Engineering B.E./B.Tech. in Electrical and Electronics Engineering B.E./B.Tech. in Electrical Engineering B.E./B.Tech. in Electronics & Communication Engineering Or Any Other Equivalent M.E./M.Tech. in Control Engineering M.E./M.Tech. in Electrical & Electronics Engineering M.E./M.Tech. in Electrical Engineering M.E./M.Tech. in Instrumentation and Control Engineering M.E./M.Tech. in Instrumentation and Control Engineering M.E./M.Tech. in Power Electronics and Drives
			 Electronics and Drives M.E./M.Tech. in Power System Engineering M.E./M.Tech. in Systems and Control Engineering M.E./M.Tech. in Power Apparatus and Systems B.E./B.Tech. in Control Engineering B.E./B.Tech. in Electrical & Electronics Engineering B.E./B.Tech. in Electrical Engineering
			 B.E./B.Tech. in Instrumentation and Control Engineering B.E./B.Tech. in Power Electronics and Drives

			B.E./B.Tech. in Power System
			Engineering
			B.E./B.Tech. in Systems and
			Control Engineering
			Or Any Other Equivalent
8	Electronics	UAV Assisted Communication	M.E./M.Tech. in Biomedical
	&	Green Communication	Engineering
	Communication	Resource Allocation and	M.E./M.Tech. in Electronics
	Engineering	Performance evaluation of	• M.E./M.Tech. in Electronics &
		Communication Networks	Communication Engineering
		Heterogenous Cellular	• M.E./M.Tech. in Electronics &
		Networks	Electrical Communication
		Nano-Electronics and Its	Engineering
		Applications	M.E./M.Tech. in Electronics and
		 Resistive Switching Devices and 	Instrumentation Engineering
		System Design	M.E./M.Tech. in Electronics and
		Beyond CMOS Low Power	Telecom Engineering
		Devices and System Design	M.E./M.Tech. in Electronics
		1	Product Design & Technology
		1 0	_ =
		Brain Inspired Electronics Nanoelectronics	M.E./M.Tech. in Embedded System
			System
		Microelectronics	M.E./M.Tech. in Mechatronics
		• Photonics	M.E./M.Tech. in Microelectronics
		Microwave/Terahertz	M.E./M.Tech. in Microwave
		(THz)Antennas	Electronics
		Microwave/ Terahertz (THz)	M.E./M.Tech. in Microwave
		Devices	Engineering
		 Renewable Energy Cognitive 	M.E./M.Tech. in Nanoelectronics
		Radio	M.E./M.Tech. in Nanotechnology
		 VLSI Design/ Technology 	• M.E./M.Tech. in Power
		 Wireless Sensor Networks 	Electronics/ Energy System
		Electronic System Design	M.E./M.Tech. in VLSI Design
		Assistive Technology	M.E./M.Tech. in Digital Signal
		Digital Communication	Processing
		Computer Aided diagnostics	M.E./M.Tech. in Computer
		Communication Engineering	Science & Engineering
		Embedded Systems	M.S. in Biomedical Engineering
		Image Processing	M.S. in Digital Signal Processing
		Machine Vision	M.S. in Electronics
		Silicon Nano Photonics	M.S. in Electronics &
		 On-Chip Optical Devices 	Communication Engineering
			M.S. in Electronics & Electrical
		Photonic Integrated CircuitsOptical Networks-On-Chip	Communication Engineering
		-	M.S. in Electronics & Telecomm
		Analog System DesignWireless Communication	Engineering
			M.S. in Electronics and
		Networks	Instrumentation Engineering
		Photonic Sensors Outline I Communication 2	M.S. in Electronics Product
		Optical Communication &	Design & Technology
		Networks	 M.S. in Embedded System
		ML Assisted Communication	M.S. in Mechatronics
		System & Devices	M.S. III MECHALIONICS

9	Mechanical Engineering	 Antenna Design 5G and Beyond Artificial Intelligence IC Chip Testing Fault Tolrence in VLSI Systems Solid State Physics/ Electronics Semiconductor Devices MEMS/NEMS Optoelectronics Flexible Electronics Miniature micro Systems Manufacturing Production Production 	 M.S. in Microelectronics M.S. in Microwave Electronics M.S. in Microwave Engineering M.S. in Nanoelectronics M.S. in Nanotechnology M.S. in Power Electronics M.S. in VLSI Design M.Sc. in Electronics & Communication Engineering M.Sc. in Electronics & Electrical Communication Engineering M.Sc. in Electronics Engineering M.Sc. in Physics (Electronics) B.E./B.Tech. in Electronics & Communication Engineering B.E./B.Tech. in Electronics & Electrical Communication Engineering B.E./B.Tech. in Electronics Engineering B.E./B.Tech. in Electronics (Electronics) B.E./B.Tech. in Electronics (Electronics) B.E./B.Tech. in Physics (Electronics) Or Any Other Equivalent M.E./M.Tech. in Design M.E./M.Tech. in Industrial
			B.E./B.Tech. in Electronics Engineering
			•
9	Mechanical	Manufacturing	M.E./M.Tech. in Design
	Engineering	• Production	M.E./M.Tech. in Industrial
		a Dogiesa	
		• Design	Engineering
		Industrial Engineering	M.E./M.Tech. in Mechanical
			M.E./M.Tech. in Mechanical Engineering
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgy
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgy Engineering B.E./B.Tech. in Production Engineering
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgy Engineering B.E./B.Tech. in Production Engineering B.E./B.Tech. in Production Engineering B.E./B.Tech. in Thermal
			 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgy Engineering B.E./B.Tech. in Production Engineering B.E./B.Tech. in Thermal Engineering
		Industrial Engineering	 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgy Engineering B.E./B.Tech. in Production Engineering B.E./B.Tech. in Thermal Engineering Or Any Other Equivalent
10	Metallurgical	Industrial Engineering Magnesium Alloys for Bio-	 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgy Engineering B.E./B.Tech. in Production Engineering B.E./B.Tech. in Thermal Engineering Or Any Other Equivalent M.E/M.Tech. in Mechanical
10	& Materials	 Industrial Engineering Magnesium Alloys for Bio- Implant and Transportation 	 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgy Engineering B.E./B.Tech. in Production Engineering B.E./B.Tech. in Thermal Engineering Or Any Other Equivalent M.E/M.Tech. in Mechanical Engineering
10	_	Industrial Engineering Magnesium Alloys for Bio-	 M.E./M.Tech. in Mechanical Engineering M.E./M.Tech. in Metallurgy Engineering M.E./M.Tech. in Production Engineering M.E./M.Tech. in Thermal Engineering B.E./B.Tech. in Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgy Engineering B.E./B.Tech. in Production Engineering B.E./B.Tech. in Thermal Engineering Or Any Other Equivalent M.E/M.Tech. in Mechanical

Corrosion Prevention Light Metal foams Advanced Welding Technology High Strain Rate Materials Corrosion Fabrication of Ultra High-Temperature Ceramics via advanced sintering techniques for strategic applications Solid lubricants for tribology of materials Advanced high strength steel Nuclear materials Aerospace Materials Materials Modeling & Simulation Extractive Metallurgy Solid electrolytes for batteries and fuel cells Polymer Matrix composites Production and Industrial Engineering Product Design and Development Process Design Product Policy and Management UI/UX Production and Operations Management Communication Design Advance Manufacturing Finite Element Analysis Supply Chain Management Mechanical Engineering Industrial Engineering Welding Technology Coating Additive Manufacturing Formite Jenineering Welding Technology Coating Additive Manufacturing Formite Jenineering Welding Technology Coating Additive Manufacturing Industrial Tribology Ergonomics Forming / Casting Design Industrial Design Industrial Design Industrial Design Interactive Design Ceramics Engineering	 M.E./M.Tech. in Production Engineering M.E./M.Tech. in Automobile Engineering M.E./M.Tech. in Chemical Engineering B.E./B.Tech. Ceramic Engineering & Technology B.E./B.Tech Materials Science & Engineering B.E./B.Tech. in Automobile Engineering B.E./B.Tech. in Chemical Engineering B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Metallurgical & Materials Engineering B.E./B.Tech. in Production Engineering Or Any Other Equivalent Master of Design (M.Des.) M.E./M.Tech. in Additive Manufacturing M.E./M.Tech. in Instrumentation Engineering M.E./M.Tech. in CAD/ CAM M.E./M.Tech. in CIM M.E./M.Tech. in CIM M.E./M.Tech. in Industrial Design M.E./M.Tech. in Industrial Design M.E./M.Tech. in Industrial Engineering M.E./M.Tech. in Manufacturing Science / Engineering/Technology M.E./M.Tech. in Manufacturing Science / Engineering M.E./M.Tech. in Material Science and Engineering M.E./M.Tech. in Mechanical and Automation M.E./M.Tech. in Mechanical Engineering
	Engineering
	8 8
Materials Science & Engg.	M.E./M.Tech. in Product Design
Materials Science & Engg.Surface Engineering	

- Reverse Engineering
- Hybrid Manufacturing (Addictive + Subtractive)
- Laser Materials Processing
- Robotics

- **Industrial Engineering**
- M.E./M.Tech. in Production Engineering
- M.E./M.Tech. in Rapid Prototyping
- M.E./M.Tech. in TQM
- M.E./M.Tech. in Welding
- M.E./M.Tech. in Automobile Engineering
- M.E./M.Tech. in Robotics
- M.E./M.Tech. in Mechatronics
- M.E./M.Tech. in Automation
- M.Sc/ M.Phil in Mathematics/Physics / Statistics / Chemistry or other relevant/ equivalent
- Master in Business Administration (MBA)
- Post Graduate Diploma in Management
- Executive Post Graduate
 Programme in Management
 (EPGP) leading to a degree of Master of Business
 Administration (MBA)
- The Post Graduate Programme (Business Analytics) leading to a degree of Master of Business Administration (Business Analytics) (MBA(BA))
- The Post Graduate Programme (PGP) in Management leading to a degree of Master of Business Administration (MBA)
- Post Graduate Diploma in Industrial Engineering
- Post Graduate Diploma in Industrial Management
- Post Graduate Diploma in Industrial Safety & Environmental Management (PGDISEM)
- Post Graduate Diploma in Manufacturing Management
- Post Graduate Diploma in Project Management

For Direct Admission to PhD

- B.E./B.Tech. in Additive Manufacturing
- B.E./B.Tech. in Automation and Robotics
- B.E./B.Tech. in Automobile

			 Engineering B.E./B.Tech. in CAD/ CAM B.E./B.Tech. in CIM B.E./B.Tech. in Instrumentation Engineering B.E./B.Tech. in Design/ Applied Mechanics B.E./B.Tech. in Foundry - Forge Technology B.E./B.Tech. in Industrial Design B.E./B.Tech. in Industrial Engineering B.E./B.Tech. in Manufacturing Science and Engineering B.E./B.Tech. in Manufacturing Science/Technology B.E./B.Tech. in Material Science and Engineering B.E./B.Tech. in Mechanical and Automation B.E./B.Tech. in Mechanical Engineering B.E./B.Tech. in Mechatronics B.E./B.Tech. in Metallurgical Engineering B.E./B.Tech. in Product Design and Manufacturing B.E./B.Tech. in Production and Industrial Engineering B.E./B.Tech. in Production Engineering B.E./B.Tech. in Rapid Prototyping B.E./B.Tech. in TQM B.E./B.Tech. in Welding Engineering Or Any Other Equivalent
12	Centre of Management	Finance & Entrepreneurship	 Or Any Other Equivalent Master of Business Administration (MBA)
	and Humanities		 Master of Business Management Master of Commerce (M.Com) Post Graduate Diploma in Management (PGDM) Or Any Other Equivalent
13	Cyber Security	Artificial Intelligence	Msc (IT), MCA or B.E./B.Tech. in
	Research Centre	Machine LearningBio-Informatics	any of the following:Computer Science and
		Bio-InformaticsIOT & related areas	Engineering
			Computer Technology
		CryptographyIOT	Computer recimology Computing in
		 IOT Dark Web and Deep Web	(Multimedia/Software)
		Information Security	Computer Engineering
		- information security	
			Computer Engineering and

- Cyber Warfare
- Pervasive Sensing
- Cloud Computing & Security Cyber Threat Intelligence Social Media Analytics Biometric Security
- Selfie Biometrics
- Latent Fingerprint & Image Processing
- Digital Forensics

- Application
- Artificial Intelligence (AI) and Data Science
- Artificial Intelligence and Machine Learning
- Information technology
- Cyber Security
- Information Security
- Computer Networking
- Data Science
- Computer Science and (Applied Mathematics/Business Systems/Design)
- Computer Science and Engineering with specialization in any of the related fields such as: Artificial Intelligence, Machine Learning, Cyber Security, Data Science, Internet of Things, Block Chain Technology, Networks, Software Engineering
- Computer Science and information Technology
- Computer Science and Medical Engineering
- Computer Science and Social Sciences
- Electronics and (Control Systems/ Electrical Engineering/Instrumentation Engineering/Power Engineering/Telecommunication /Telecommunication Engineering/Telematics Engineering/ Communication Technology/ Computer Engineering/ Communication Engineering/ Communication
- Electronics Communication and Instrumentation Engineering
- Electronics Design Technology
- Electronics Engineering (VLSI Design and Technology)
- Electronics Instrument and Control
- Electronics Engineering
- Instrumentation Engineering

M.Tech/M. E in:

- Cyber Forensics
- Cyber Forensics and information Security

• Cyber Security Cyber Security Systems and Networks • Data Sciences • Digital Communication with specialization in related areas like Networking, Communication, Digital Image Processing, Digital Instrumentation, Distributed and Mobile Computing, Tele Communication, Real Time Systems, Embedded Control Systems) • Communication and Networking • Communication and Signal **Process Communication** Control and Networking **Communication Engineering** • Computational Analysis in Mechanical Science • Computational Engineering and Networking (Data Science) • Computer Engineering (Software Engineering) • Computer Engineering and (Application/Networking) • Computer Hardware and Networking • Computer Network Engineering • Computer Science and (Information Technology/ Information Security/ Systems Engineering • Computer Vision and Image Processing • Advanced Communication and information System • Artificial Intelligence • Computer Science and Engineering with specialization in related areas like Artificial Intelligence and Machine Learning, Cyber Security, Networks, Operations Research, Big Data Analytics

TABLE-2: Important Dates Admission Schedule for PhD Admissions 2024-25 (January, 2025 Intake)

Online Registration	28.10.2024-22.11.2024 (Monday-Friday) (till 05.00 PM)
Last date for depositing hard copy of Registration Form along with supporting documents and proof of payment of registration fee	26.11.2024 (Tuesday) till 05:00 PM
Dispatch of Registration Form to various Departments	27.11.2024 (Wednesday)
Publishing of final list of eligible candidates	04.12.2024 (Wednesday)
Entrance Test for non-GATE/ non-UGC-NET (JRF) candidates (details will be uploaded on institute website)*	11.12.2024 (Wednesday) (Venue:- Drawing Hall)
Selection of tentative topics, Interaction with perspective supervisors by the candidates along with filling of Annexure-III . Candidate has to submit filled Annexure-III in the department before interview.	11.12.2024 - 12.12.2024 (Wednesday-Thursday)
Interview in respective departments along with verification of documents (details will be uploaded on institute website) *	12.12.2024 (Thursday)
Result intimation with waiting list	23.12.2024 (Monday)
Payment of fees (Online)	23.12.2024 to 27.12.2024 (Monday-Friday)
Intimation to waitlisted candidates on institute website	30.12.2024 (Monday)
Payment of fees (Online) by waitlisted candidates	30.12.2024-01.01.2025 (Monday-Wednesday)
Reporting of PhD students in the respective departments	As per Academic Calendar

^{*}The admission schedule may change according to the situation prevailing at that time, the candidates are advised to visit the institute website regularly.

Punjab Engineering College (Deemed to be University), Chandigarh

I. OBJECTIVE OF THE PhD PROGRAMME

Punjab Engineering College (Deemed to be University) has a mission to develop high quality science and engineering specialists having strong base in principles of science and the scientific methods, deep understanding of their chosen areas of specialization, motivation to learn continually, ability to interact with multi-disciplinary groups and to handle new challenges offered by the front-end technologies.

The PhD programme is designed to impart knowledge, consolidate concepts and intellectual skills through courses, seminars, projects, and thesis work. Above all, it helps the scholars to develop the capacity for free and objective enquiry, courage and integrity, awareness and sensitivity to the needs and aspirations of the society.

The programme provides the candidates an enabling research experience during their presence in the institute thus helping them to enter their professional life with right perspective and knowledge related to their respective fields of specialization.

II. Departments and Centres

The PhD Programme can be pursued in the following departments and Centres: -

- 1. Aerospace Engineering
- 2. Civil Engineering
- 3. Computer Science & Engineering
- 4. Chemistry
- 5. Electrical Engineering
- 6. Electronics and Communication Engineering
- 7. Mathematics
- 8. Mechanical Engineering
- 9. Metallurgical & Materials Engineering
- 10. Physics
- 11. Production and Industrial Engineering
- 12. Centre of Excellence in Industrial & Product Design
- 13. Centre of Management and Humanities
- 14. Cyber Security Research Centre

The institute encourages inter-disciplinary research across various departments.

III. Admission to PhD Programme

Admission to the PhD programmes is made on the basis of interview for candidates having valid GATE/ UGC NET (JRF) and on the basis of written test and interview for all other candidates by PhD Admission Committee of the respective Departments provided the candidate fulfils all the requirements at the Institute level and the selected candidate deposits the requisite fees for the PhD Programme. The applications received will be processed in the various departments for interview.

The PhD admission committee of the department will consist of Head of the Department, Members of Departmental Research Committee (DRC) and potential supervisors in various areas.

IV. Categories of PhD Programme Admissions

The applicant for admission to the PhD programme shall be classified under any one of the following categories which will be decided and recommended by the PhD admission committee of the department.

The research scholars shall be classified in the following manner

(A) On the basis of the time devoted to the PhD programme

i) Full-time (ii) Part-time

(B) On the basis of the occupation

- i) **Teacher**, a person serving as the faculty of a department of a teaching institute.
- **ii**) **Non-Teacher**, a person serving as non-teaching employee including officer cadre of any Institute/Department, Organization.
- **iii**) **Project staff,** a person working on a project undertaken by the Institute (PEC). The PhD programme of such a person should be related to the project work.

(C) On the basis of the country

- i) Indian, a person holding valid Indian citizenship
- **ii**) **Foreigner,** foreign nationals admitted through the Embassy of the respective Governments, after getting approval from the Ministry of External Affairs and 'No Objection Certificate' from the Ministry of Education, Government of India or admitted under an MoU. A foreign national can be admitted by the Institute directly, if eligible, following the admission process as specified under R-5.

(D) On the basis of the financial assistance

i) Sponsored

- a. Research student/ Candidate working as a regular employee in the Institute
- b. Research student/Candidate working as a regular employee in research organization like DRDO/ CSIR etc. and scientist/faculty working in the CRIKC

- institutes will be eligible for admission to PhD Programme as a Part-Time Scholar provided he/she is in continuous service for the last 2 years in the same organization and can provide a No objection certificate from the employer. The DRC has to ensure the fulfilment of these conditions at the time of interview.
- c. Research student / candidate working regularly full-time in an R&D project in the institute can join as a part time student if his PhD topic is related to the project as certified by the SRC immediately after joining the project However, part time research student/candidate may be given full time status when the project tenure is completed. To be accepted as a PhD student, a research student working in a project will have to undergo the same admission procedure as applicable in general.

ii) Fellowship / Scholarship

- 1. PhD Full-Time (Under Institute Fellowship)
- 2. PhD (Full Time) with External Fellowships Like JRF/DST Inspire, Visvesvaraya etc.
- 3. Krishna D Mahajan Doctoral Scholars Fund for Excellence in Research (Metallurgical & Materials Engineering)
- 4. PhD (Full Time) for candidates/staff working under the Research projects sponsored by MHRD/DST/UGC or some other government agencies at PEC.
- 5. Eligible candidates who did M.E./ M.Tech. with GATE and was getting institute assistantship are required to qualify the entrance examination test and the qualified candidates will be eligible for awards of institute scholarship. Such candidates are required to provide the proof of admission to M.E/ M.Tech. with GATE and was getting institute assistantship at the time of document verification/interview.

Fellowship/ Scholarships are available to only Full Time research scholars.

V. Eligibility Criteria for Admission to PhD Programme

Educational Qualifications:

(a) The candidate possessing the prescribed qualifications shall be eligible for admission to the PhD programme of the Institute. The Degrees obtained through distance education programmes shall not be considered.

The academic programme as well as the University of qualifying degree must be recognized by AICTE /UGC. The academic programme of the autonomous Institutes established by the Parliament will not be required to have recognition of the UGC/AICTE. The degrees and academic programme of the Institute/University will be verified by the Departmental Admission Committee before registration of the candidate in PhD Programme.

(b) Minimum Qualification for Eligibility:

A Master's Degree in Engineering/Technology/Sciences/Humanities and Social Sciences/ Management or equivalent recognized by the Institute with a minimum

Cumulative Grade Point Average (CGPA) of 6.5 on a 10-point scale or equivalent as determined by the Institute wherever letter grades are awarded in the qualifying degree, or 60% marks in aggregate where marks are awarded.

The candidate having Master's Degree must possess full time Bachelor's Degree or equivalent with a minimum CGPA of 6.5 on a 10-point scale or equivalent as determined by the Institute wherever letter grades are awarded in the qualifying degree, or 60% marks in aggregate where marks are awarded.

OR

Direct Admission of B.E./B.Tech. candidates to PhD programme

- a) To be eligible for the admission under this category, a candidate is required to have minimum CGPA of:
 - i. 8.0 or above with GATE or 8.5 or above without GATE for students graduated from PEC, CFTIs and other premium institutions at the end of the seventh semester (if applying during final year) under General category.
 - ii. 8.0 or above with GATE or 8.5 or above without GATE for students graduated from PEC, CFTIs and other premium institutions at the end of the eighth semester (if applying after the completion of B.E./ B.Tech) under General category.
 - iii. For SC/ST/PwD category students, the minimum CGPA requirement will be reduced by 0.5.
 - b) Successful candidates in final year of undergraduate programme may be given provisional admission to the PhD programme. This admission shall be confirmed provided the student completes his/her undergraduate programme with required CGPA.
 - c) Candidates from industry/research organisations are eligible for direct entry to PhD programme after BE/ B.Tech. with minimum CGPA 8.0 or above and with 5 years relevant experience. Candidates applying under this category is required to submit a "No Objection Certificate" (Annexure-II) on a proper letterhead from the appropriate authority of the organization.
 - d) Candidates getting direct entry to PhD programme after BE/ B.Tech will need to fulfill credit requirements through course work on pattern of courses offered to PG students and additional course requirements as per UGC.

Additional Eligibility Conditions for Part-Time PhD Programme

- (i) **Permanent/Regular Employees** working in R&D Organisations, National Laboratories, Government Organizations, Industries, PSUs, State Undertakings having sufficient facilities to carry out research at their Organisation.
- (ii) **Regular faculty** of reputed Institute/University having sufficient facilities to carry out research at their place in the related research area.
- (iii) **Regular Employees** of PEC working in any Department/Centre, Centre and Section

of the Institute.

All such candidates should have a minimum experience of two years which will be counted from the date of joining in the sponsoring organizations to the last date of application in the PhD programme. The candidate is required to produce the experience certificate at the time of interview before Departmental Admission Committee. Minimum qualification for these candidates is the same as for full-time candidates.

Part-time candidates are required to submit a "**No Objection Certificate**" (Annexure-II) on a proper letterhead from the appropriate authority of the organization clearly stating the following:

- That the candidate is permitted to pursue the PhD research work on a part-time basis.
- That the candidate's official duties permit the candidate to devote sufficient time for research work.
- That the facilities for the research work in the candidate's field of research work are available at the candidate's place of work.
- That the candidate will be sanctioned leave for sufficient duration for conduct of research work in case the research facilities are not available in the Institute/ Industry/Organization.

VI. RESERVATION/ RELAXATION

Reservation Norms

Reservation in full time/regular PhD seats in various categories will be made as per the norms of the Government of India amended from time to time. Such reservations in various categories will be implemented in all Departments/Centers on a rotational basis.

Relaxation of Eligibility for SC, ST, and PwD

For the SC/ST/PwD candidates, the eligibility requirement of marks/CGPA will be relaxed by 5%, or by a CGPA of 0.5 (on a 10-point scale) at both the Bachelor's and Master's level.

Exemption from written (entrance) Test

(a) Part-Time PhD programme:

Regular employees PEC and other R&D Organization, National Laboratories, Public/Private Industry/ PSUs/ State Undertakings having an MoU with PEC and with adequate research facilities possessing First Division or 6.5 CGPA on 10-point scale or equivalent at M.Tech./PG level with minimum 2 years of relevant experience will be exempted from the written test.

(b) Full-Time PhD Programme:

Valid GATE or Valid NET-JRF from UGC, CSIR etc. qualified candidates will be exempted from the written test. However, they shall be required to appear before the Departmental PhD Admission Committee of respective department for interview/interaction and qualify as per the prescribed norms in terms of the eligibility conditions.

VII. ENTRANCE TEST

Applications for PhD Programme are to be invited from Indian and foreign nationals in the prescribed format. Applications as received will be scrutinized by the concerned Department/ Centre. After scrutiny, the list of all eligible candidates will be uploaded on the Institute website by the Admission Office.

- (a) All eligible Non-GATE/ Non-NET-JRF candidates are required to appear in an objective type (MCQ) written test of PG level comprising two parts as mentioned below:
 - Paper-I*: Research Methodology: 30 marks; Duration: 30 minutes
 - Paper-II: Area of Research/ Specialization: 60 marks; Duration: 60 minutes Qualifying marks**: 50 % of total marks.

Syllabus of discipline paper-II will be standard GATE syllabus of application domain. The discipline for which GATE is not conducted the standard syllabus of UGC-NET exam in the application domain will be followed.

The written test is only for Non-GATE/ Non-NET-JRF candidates. The written test will be conducted by the Admission Office. Detailed guidelines for conducting the entrance test along with timeline will be provided by Chairman Admissions.

*Common to all Depts./Centres

** Relaxation as per the Govt. of India norms

- (b) List of the qualified candidates will be uploaded on the Institute website by the Admission Office.
- (c) All qualified candidates will be required to appear before the respective DRC for an interview/interaction comprising a brief presentation on the related research area. Qualified candidates may contact prospective supervisors in the Department/Centre.
- (d) DRC will evaluate the candidates and award the marks out of 30 (10 marks each for presentation, interview, and academic achievements).

Qualifying marks: 50% (15 out of 30 marks) **

- ** Relaxation as per the Govt. of India norms
- (e) Based upon their performance in both written test and interaction/interview with DRC, Admission Committee of respective Department/ Centre will recommend the merit list of candidates prepared on the basis of total score out of 100 for Non-GATE/ Non-NET-JRF and 30 for GATE/NET-JRF verified candidates.

The merit list will be prepared as per the preference below: -

- a. Candidates with valid GATE/UGC NET-JRF
- b. Candidates appeared for written test

Qualified scholars working in Govt./R&D Org./Industry sponsored project/fellowship are to be supervised by the coordinating faculty/ Principal Investigator (PI), provided the faculty/PI is eligible to become supervisor.

In case of tie, merit list will be prepared on the basis of following criteria in order of preference:

- a. Performance of the candidate in written test
- b. Percentage of marks in qualifying degree
- c. Percentage of marks in 10+2
- d. Percentage of marks in 10th

VIII. Submission of Application form

Application for admission must be filled online (procedure for online registration is mentioned in para VII) and a copy of the filled registration form along with self-attested photocopies of the following documents must be sent to Chairman Admissions, Punjab Engineering College (Deemed to be University), Sector – 12, Chandigarh – 160012 on or before the closing date as mentioned in Table-2:

- I. Date of Birth Certificate
- II. SC/ST Certificate (if applicable)
- III. Valid GATE Score Card (if applicable)
- IV. Copies of Bachelor's & Master's Degrees along with marks sheets
- V. Valid UGC-NET (JRF) Certificate (if applicable)
- VI. Migration Certificate [For candidates not having their Master's degree from Punjab Engineering College (Deemed to be University)]
- VII. Persons with Disabilities certificate (if applicable)
- VIII. Undertaking for candidates whose result is not declared (Annexure-I)
 - IX. Sponsorship/NOC Certificate from current employer (Annexure-II)

NOTE:

- 1. Reservation of seats for SC/ST/PwD candidates shall be provided as per Govt. of India norms applicable from time to time.
- 2. Full-time candidates with assistantship joining on study leave must show proof of at least 3 years' study leave before being allowed to register.
- 3. The attendance of full-time PhD candidates will be governed by the attendance requirements of the Institute.
- 4. Only the predetermined number of students may be admitted to a PhD programme.
- 5. As per the provisions 1(5) of the UGC Regulations 2009, PhD program will not be conducted through distance education mode.

IX. Procedure for online Registration

Online Submission of application for Registration on https://pec.ac.in/admissions/phd. Please read the general instructions carefully before starting the registration process. The candidates are required to pay payment of non-refundable registration fee of Rs. 1500/- or 750/- (as applicable) online and a sum of Rs. 500/- (non-refundable) for General Category candidates and Rs. 250/- (non-refundable) for SC/ ST candidates is to be paid as registration fee for the additional discipline applied. The details of online payment are to be filled during online registration.

The process of online registration consists of three steps.

Step 1:

- 1.1 Enter a valid email address and other personal details.
- 1.2 On submission, a system generated username & password will be displayed on the screen. Note down this username and password for future reference.

Step 2:

- 2.1. Enter the academic qualifications.
- 2.2. The candidate then has to upload the scanned images of Photograph and Signature.
- 2.3. All Scanned images should be jpg/jpeg format only.
- 2.4. Size of the photograph image must be greater than 4kb and less than 200kb. The photograph should preferably have the frontal face with a light background.
- 2.5. Size of the signature image must be greater than 4kb and less than 100 kb.
- 2.6. Dimension of photograph image should be 200x150(height x width) pixels only.
- 2.7. Dimension of signature image should be 100 x 200 (height x width) pixels only.
- 2.8. The candidates are required to pay the registration fee as applicable through online mode and enter the transaction ID/UTR number of online payment.
- 2.9. The candidates have to select their choices of area of specialization in order of their preference.
- 2.10. Mention number of papers published and awards and scholarship, if any.
- 2.11. Mention any other relevant information.
- 2.12. After successful completion the registration form and choice filling, a confirmation page will be generated.

Step 3:

3.1 The candidates are advised to take 2 printouts of the confirmation page and send one copy of print-out along with documents to following address by hand/speed post/registered post so as to reach by the prescribed date.

Chairman Admissions, Punjab Engineering College (Deemed to be University) Sector-12, Chandigarh - 160012

- 3.2 The institute will not be responsible for any delay in the receipt of hard copy of the Registration Form.
- 3.3 The candidates are advised to keep one copy of the confirmation page with them for future reference.

IX. GENERAL INSTRUCTIONS

- 1. Separate Registration form along with all enclosures should be sent for each department if applying for more than one department.
- 2. The Registration Fee is to be deposited through online payment in the following account: -

Bank Details

Name Of Account Holder	Punjab Engineering College-		
	Admissions		
Institute Name with Complete Address	State Bank of India		
Branch Name With Complete Address	PEC Branch, Sector 12, Chandigarh		
IFSC Code of The Branch	SBIN0002452		
MICR Code	160002008		
Bank Account Number (Saving	37646936859		
Account)			

- 3. Self-attested copies of relevant certificates are to be enclosed.
- 4. Candidates should bring original certificates along with the Master's Thesis at the time of interview.
- 5. Duly filled Registration form must reach the Chairman Admissions, Punjab Engineering College (Deemed to be University), Sector 12, Chandigarh 160012 on or before the due date.
- 6. Name of the department in which the admission is sought should be superscribed on the envelope.
- 7. In case result of qualifying degree is awaited, provisional admission is permitted to the candidate subject to meeting the above qualifying degree requirement latest by **January 31, 2025**. A certificate from the head of current institute to that effect should be submitted during document verification.

8. Cancellation due to non-fulfilment of essential requirements:

If a candidate fails to satisfy the prescribed minimum educational qualifications, her/his allotted seat shall automatically stand cancelled. Candidate, for whom the result of qualifying degree is awaited, can take part in counselling process. However, they have to produce a course completion certificate duly signed by Head of the Institute at the time of the reporting. If any admitted candidate, whose result was awaited at the time of reporting, is not able to submit her/his qualifying degree certificate and marks sheet by

January 31, 2025, her/his admission shall automatically stand cancelled and refund of any fee will be done as per the institute norms.

X. DOCUMENTS TO BE PRODUCED DURING PHYSICAL REPORTING ALONG WITH TWO SETS OF SELF ATTESTED PHOTOCOPIES:

- i. Printout of the Registration form
- ii. Valid GATE score card/ UGC-NET (JRF) Certificate
- iii. Photo ID proof as per Govt. of India norms (Aadhaar Card)
- iv. Original Birth certificate issued by competent authority/Class X (High School) Board Certificate as proof of date of birth
- v. Original Marks sheet of class XII
- vi. Original Grade/Marks sheets of qualifying examination for all semesters
- vii. Original Degree/ Provisional certificate, if degree is completed
- viii. Original Certificate of category (SC/ST), if applicable, as per Government of India, issued by the competent authority.
 - ix. Original Migration certificate of last Institute/ University attended
- x. Three colour passport size photographs
- xi. Original Conduct/ Character Certificate from the Head of the institution last attended
- xii. Original Course completion certificate from the Head of the University/Institute in case result is awaited
- xiii. Persons with Disabilities certificate (if applicable)
- xiv. Undertaking if applicable
- xv. Sponsorship/ NOC Certificate (wherever applicable)
- xvi. Master's Thesis/ Project Report

Note: If the original certificates are not in English/Hindi, English/Hindi version/translation of such certificates, duly certified by the Principal/Director of the graduating Institute, will be required during the verification of documents.

FEE STRUCTURE FOR PhD STUDENTS

One-time (at the time of Admission only)	
Admission Fee	Rs. 5,000/-
One- time Student service fee	Rs. 6,000/-
Security deposit (Refundable)	Rs. 8,000/-
Semester Fees	
Academic (Full Time Regular students)	Rs. 11,500/-
Academic (Part Time Students)	Rs. 22,500/-
Other facilities and services	Rs. 3,000/-

- Total Payable at the time of admission (for full time regular students) is Rs. 33,500/-
- Total payable at the time of admission (for part time students) Rs. 44,500/-

Every component of fees is subject to revision by Punjab Engineering College (Deemed to be University), Chandigarh from time to time without any prior notice. Tuition fees will be raised by at most 10% every year.

Annexure-I

UNDERTAKING FOR CANDIDATES WHOSE RESULT IS NOT DECLARED

	I	hereby	certify	in	connection	with	the	application	of
Mr./Ms.							that h	ne/she is a bona	afide
student	of	our institu	tion and is	appl	ying for admiss	ion to P	hD prog	ramme(s) at Pu	njab
Enginee	ring	g College (1	Deemed to	be U	niversity), Chan	digarh.	He/She	has completed/	will
complet	e tl	he require	ments of o	qualify	ring examination	n includ	ing theo	ry papers, prac	tical
and pro	ject	/dissertatio	on examin	ation 1	for M.E/M.Tech.	/M.Sc./M	I.A by Ja	nuary 31, 2025	5.
		(CL	الم عدد دائد		li-abla		المادات الماد	a blank anaa ii	C 41
		(50)	rike out th	ie non	-applicable one	s and wr	ite in th	e blank space ii	r tne
degree	is n	ot mention	ed). The p	ercent	tage of aggregat	e marks	/CGPA o	btained by him	/her
upto pi	e-fi	nal Semes	ter/year (examii	nation (Strike o	out the	non-app	olicable) is His	/her
conduct	and	d character	during hi	s/her	stay at the Instit	ute/Univ	ersity ha	as been "GOOD".	
Place:					Signature of P	rincipal,	/Dean/R	egistrar/	
Date:					Dy.Registrar/	•		strative Officer of ed with seal	f the

FORMAT FOR CERTIFICATE OF SPONSORSHIP FOR NOMINEES

Certified that			son/da	aughter	of		
Shri	has	s b	een	wo	orking		
as (e.g. Engineer/ Teache	r) on	regular	full	time	basis		
in	(Departn	nent/C	rganiz	ation)		
since (date). His/ Her pro	vident	fund	accou	int n	o. is		
The officer/ official is permitted	l to pur	sue high	ner stu	idies o	n full-		
time/ part-time basis. The officer/ official will be gra	nted lea	ave as p	er req	uireme	nt for		
the period of study.							
He/She is hereby sponsored for admission	n to	PhD	Progr	amme	in*		
at Punjab Engine	eering (College	(Dee	med t	o be		
University), Chandigarh for the session		In case	he/sh	e is se	lected		
for admission, he/she will be relieved from his/her du	ity and	allowed	to joi	n the c	lasses		
for full duration of the said programme.							
If he/she leaves this Department/Organization during	g his/h	er perio	d of s	tudy, P	unjab		
Engineering College (Deemed to be University) will be informed accordingly to cancel							
his/her admission.							
Further certified that he/she shall continue	to be	an ei	mploye	ee of	this		
Department/Organization and shall join back his/	her du	ties afte	er cor	npletin	g the		
programme. Certified that this institute is approved	by AIC	ΓΕ (only	for a	n educa	ıtional		
Institute).							
Date:	(Signa	ture 8	& Se	al of	the		

^{*} Both the branch and the department should be mentioned.



PUNJAB ENGINEERING COLLEGE, CHANDIGARH (DEEMED TO BE UNIVERSITY)

Name of the Research Scholar:						
Status: Full-Time/Part-Time						
Scholarship/ Assistantship:						
Proposed Supervisor(s)						
Name of Faculty	Topic Discussed	Preference for superviso				
ated:	ed: Signature of Candidate					
Mb. No						
Recommendation of DRC Members						
he following faculty is reco	mmended as Supervisor(s)/ Co-supervior of the abo	ve Ph.D.				
cholar						
ame	Recommended as					
Name Recommended as						
	Status: Full-Time/Part-Ti Scholarship/ Assistantsh Proposed Supervisor(s) Name of Faculty ated: Rehe following faculty is recorded and a second cholar ame	Status: Full-Time/Part-Time				

Signature of DRC Members

Note: Filled Proforma duly signed by DRC members may be sent to the Dean Academic Affairs for approval.