

## **PART-I PREFACE**

### **ABOUT THE UNIVERSITY**

Maharaja Ranjit Singh Punjab Technical University, Bathinda (erstwhile Maharaja Ranjit Singh State Technical University, Bathinda) is an affiliating Technical University, established by Govt. of Punjab vide Punjab Act No. 5 of 2015 notified through Punjab Government Gazette-Extraordinary (Regd. No. CHD/0092/2015-2017) notification No. 5-Leg./2015 dated 12<sup>th</sup> February 2015. It is registered with UGC u/s 2(f) & 12B. It has been given membership of Association of Indian Universities w.e.f. 01.04.2016.

With spontaneous upswing in demand for quality Technical Education, burgeoning pressure on the Premier Technical University of Punjab, Punjab Technical University, Kapurthala, to mitigate regional imbalance in distribution of Temples of quality Technical Education in the State, for exponential socio-economic growth of the Malwa region, to bridge the gap between demand and supply of employable technical human resource, exigency for creation of a new State Technical University in Punjab was realized.

Consequent on the implementation of this Act, Technical Institutions of Eleven Districts of Punjab have been affiliated to MRSPTU w.e.f. 1<sup>st</sup> July, 2015: Barnala, Bathinda, Faridkot, Fatehgarh Sahib, Fazilka, Ferozepur, Mansa, Moga, Patiala, Sangrur and Sri Muktsar Sahib.

The major objectives of this new Technical University at Bathinda are to provide, upgrade and promote Quality Technical Education, Training and Research and to create entrepreneurship and a conducive environment for the pursuit of technical education in close cooperation with Industry. In its pursuit of creating excellence in Teaching, Research and Skill Development, the University intends to attain highest standards by following and conforming to norms and policies laid down by All India Council for Technical Education, University Grants Commission, COA and PCI, New Delhi. The University is expected to generate and maintain resources through Consultancy Services, Testing Services, Continuing Education Programmes, National and International Collaborations, MoUs and transfer of Intellectual Property Rights.

MRSPTU takes pride in adopting 5 villages of Punjab – Nandgarh, Bajak, Bambiha, Kotguru and Dhunike for accelerating their overall growth and as a part of social responsibility of the University towards upliftment of rural Punjab.

## **VISION**

To contribute towards the state, the nation and the world through advancement for attaining excellence in technical education and research, and to provide quality human resource having high professional and ethical conduct to serve the needs of the industry and society.

## **MISSION**

1. To provide a conducive and inspiring environment for promoting advancement in technology and research by fostering freedom, employment, commitment, creativity and innovation.
2. To provide competent and highly skilled professionals and entrepreneurs to meet the requirements of the industry and society for discovery and dissemination of knowledge.
3. To inculcate high moral, ethical and professional values and standards amongst the students.
4. To promote research and development in various fields of technical education and establishment of Centres of Excellence in collaboration with national and international institutions, industry and agencies.

## **MRSPTU ACADEMIC COUNCIL**

The Academic council is Academic Body of the University and is responsible for the maintenance of standard of instructions, education and examination within the university and advises the Board on Academic matters. The Academic council consists of the following members:

<b>S.No.</b>	<b>Nomenclature</b>	<b>Designation</b>
<b>1.</b>	Vice-Chancellor	Chairman
<b>2.</b>	The Dean of Faculties	Members
<b>3.</b>	The Heads of Departments/Schools of University	Members
<b>4.</b>	Principals of ten Colleges affiliated to the University by rotation (provided that no Principal shall be nominated again unless all others have been nominated at least once)	Members
<b>5.</b>	Two Eminent Industrialists to be nominated by Board	Members
<b>6.</b>	Two Eminent Technologists to be nominated by Board	Members
<b>7.</b>	Other Deans & Directors of University	Members (Co-opted)
<b>8.</b>	Registrar, MRSPTU Bathinda	Secretary (Ex-Officio)

**FROM THE DESK OF VICE-CHANCELLOR**



**MESSAGE**

**Prof. (Dr.) Buta Singh Sidhu**

**In Pursuit of Success through Excellence**

I have great pleasure in welcoming the aspiring students to Maharaja Ranjit Singh Punjab Technical University (MRSPTU), Bathinda, established by the Government of Punjab. The MRSPTU has become the epitome of professional education in a very short span. Our mission is success through academic excellence and advancement of technical and scientific education, pioneering research and innovation driven development for holistic development of students by fostering freedom, empowerment, commitment, unleashing creativity and innovation. The MRSPTU signed Memorandum of Understanding (MOU) for academic partnership with globally top ranked universities (including USA, Canada), renowned Industries/ Corporate and academic institutes. MRS-PTU, Bathinda is adding another feather in its cap by signing a MoU with leading Wayne State University of U.S.A regarding International students exchange programme. The unique project is named as, 'Enroll Here Study Abroad'. It will definitely open new vistas to students of Punjab to pursue education abroad as to cherish their aspirations.

The university offers a wide array of world class courses in Science and Technology, Management and Commerce, Architecture, Pharmaceutical Sciences, Food Science and Technology, Agriculture, newer teaching and research programmers through its affiliated constituent colleges and campuses. With modern infrastructure, vibrant campus and Centres of Excellence, we endeavour to produce technically skilled manpower better than the best professionals with an integrated and technology oriented education to serve the needs of the industry and society. We are producing not only students who are job ready, but who are also job creators and future leaders.

**MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA**

My sincere gratitude to our staff, students, alumni, well-wishers, academic and industry partners. I personally wish to assure students that they have made the right choice. MRSPTU is committed to enlighten your today for an empowered tomorrow to take your career to the skies with global distinction.

Wish you a bright future.

**Prof. (Dr.) Buta Singh Sidhu**

**Vice Chancellor**

MRSPTU

**MRSPTU PROGRAMMES 2022-23 BATCH**

Maharaja Ranjit Singh Punjab Technical University, Bathinda (MRSPTU) offers various Doctorate/Post-Graduate/Under-Graduate Programmes, Post Graduate Diploma and Certificate Courses through its Teaching Departments/Constituent & Affiliated Colleges. The Programmes include Ph.D., M.Tech. , B. Tech, M. Arch., M. Planning, B.Arch., M. Pharm., MBA, MCA, M.Sc., B.Sc. and many more Post-Graduate/Under Graduate/Skill Certificate courses. 10% seats of the “Approved Intake” which shall be over and above, supernumerary to the “Approved Intake”, plus the unfilled vacancies of the First Year available in B.Tech. , BCA, Integrated/Dual Degree BCA-MCA 3<sup>rd</sup> semester Programmes respectively, through Lateral Entry Scheme.

10% seats of the “Approved Intake” which shall be over and above, supernumerary to the “Approved Intake”, plus the unfilled vacancies of the First Year available in B.Sc. 3<sup>rd</sup>semester Programmes (wherever applicable), through Lateral Entry Scheme.

**Lateral Entry Scheme in B. Pharm. 3<sup>rd</sup> Sem.:** 10% of Approved Intake plus the unfilled vacancies of the First Year, as per PCI notification No. 14-48/2012- PCI/4473 dated 30 Sept. 2020

**PROGRAMMES OFFERED IN MRSPTU MAIN CAMPUS**

S.No.	PROGRAMMES	UG / PG	DURATION	CODE
1.	B.Pharm.	UG	4Yrs.	BPHA-1
2.	B.Pharm. Lateral Entry	UG	3Yrs.	BPHA-1
3.	M.Pharm. (Pharmaceutics)	PG	2Yrs.	MPHA-1
4.	M.Pharm. (Pharmacology)	PG	2Yrs.	MPHA-2
5.	M.Sc. (Food Sci. & Tech.)	PG	2Yrs.	MFOT-1
6.	M.Sc. (Physics)	PG	2Yrs.	MPHY-1
7.	M.Sc. (Chemistry)	PG	2Yrs.	MCHM-1
8.	M.Sc. (Mathematics)	PG	2Yrs.	MMAT-1
9.	M.Tech. (Electronics & Communication Engineering)	PG	2Yrs.	MECE-1
10.	M.Tech. Electrical Engineering (Power System)	PG	2Yrs.	MELE-3
11.	M.Tech. (Textile Engineering)	PG	2Yrs.	MTEX-1
12.	MBA	PG	2Yrs.	MBAD-1
13.	MCA	PG	2Yrs.	MCAP-1
14.	B.Sc. (Hons.) Mathematics	UG	3Yrs.	BMAT-1
15.	B.Sc. (Hons.) Physics	UG	3Yrs.	BPHY-1
16.	B.Sc. (Hons.) Chemistry	UG	3Yrs.	BCHM-1
17.	M.Planning	PG	2Yrs.	MARC-2
18.	Integrated UG Course B.Sc. (Food Science & Tech.) 3 years / Bachelor of Food Sciences & Tech. (Hons.) 4 years	UG	3Yrs./ 4Yrs.	BFOT-3 / BFOT-2
19.	Integrated/Dual degree BBA-MBA	UG/PG	5Yrs.	MBAD-2
20.	B.Arch.	UG	5Yrs.	BARC-1
21.	Integrated/Dual Degree BCA-MCA	UG/PG	5Yrs.	MCAP-2

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22.	Integrated/Dual Degree BCA-MCA Lateral Entry	UG/PG	4Yrs.	MCAP-2
23.	Integrated/Dual Degree BCA-MCA (Self-Financed)	UG/PG	5Yrs.	MCAP-2
24.	B.Sc. (Hons.) Agriculture	UG	4Yrs.	BAGE-1
25.	B.Sc. (Hons.) Agriculture Lateral Entry	UG	3Yrs.	BAGE-1
26.	Integrated/Dual degree B.Com.- M.Com.	UG/PG	5Yrs.	MCOM-2
27.	MBA (Agri Business)	PG	2Yrs.	MAGE-1
28.	MBA (Hospital Administration)	PG	2Yrs.	MPHA-11
29.	Executive MBA	PG	3 Yrs.	MBAD-3
30.	B.Sc. (Graphics & Web Designing)	UG	3Yrs.	BCAP-3
31.	PGDCA Part Time	PG	1.5Yrs.	PCAP-2
32.	Bachelor of Design (Interior Design)*	UG	4Yrs.	BARC-3
33.	Bachelor of Fine Arts (Applied Arts)**	UG	4Yrs.	BARC-4
34.	Skill Certificate Course in Graphics & Video Editing	Skill	1Yr.	CARC-1
35.	B.Sc. (Non-Medical)	UG	3Yrs.	BNME-1
36.	B.Tech. (Agricultural Engineering)	UG	4Yrs.	BAGE-2
37.	M.Tech. (Computer Science & Engineering) Part Time	PG	3Yrs.	MCSE-7
38.	M.Tech. (Mechanical Engineering) Part Time	PG	3Yrs.	MMEE-9
39.	M.Tech. (Textile Engineering) Part Time	PG	3Yrs.	MTEX-3
40.	M.Tech. Electrical Engineering (Power System) Part Time	PG	3Yrs.	MELE-4
41.	M.Tech. (Electronics & Communication Engineering) Part Time	PG	3Yrs.	MECE-7
42.	M.Tech. (Construction Technology & Management) Part Time	PG	3Yrs.	MCIE-10
43.	M.Tech. (Environmental Science and Engineering) Part Time	PG	3Yrs.	MESE-3
44.	M.Tech. (Structural and Foundation Engineering) <b>Part Time</b>	PG	3Yrs.	MCIE-9
45.	Skill Certificate Course in Refrigeration & Air-Conditioning Mechanic	Skill	1Yr.	CMEE-3
46.	Skill Certificate Course in Welder	Skill	1Yr.	CMEE-1
47.	Skill Certificate Course in Additive Manufacturing	Skill	6 Months	CMEE-7
48.	B.Sc. (Fashion Technology)	UG	3Yrs.	BFTE-2
49.	Skill Certificate Course in Electrician	Skill	1 Year	CELE-1
50.	B.Tech. Computer Science & Engineering (Artificial Intelligence & Machine Learning)	UG	4Yrs.	BCSE-6
51.	B.Tech. (Mechatronics)	UG	4Yrs.	BMEE-6
52.	B.Tech. (Biomedical Instrumentation)	UG	4Yrs.	BECE-5

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53.	B.Tech. (Biomedical Engineering)	UG	4Yrs.	BECE-6
54.	Postgraduate Diploma in Artificial Intelligence & Machine Learning	PG	1Yr.	PECE-1
55.	B.Tech. (Civil Engineering with Computer Application)	UG	4Yrs.	BCIE-5

**Note:** Lateral Entry seats equivalent to 10% of Sanctioned intake + vacant seats of 1<sup>st</sup> Year in **Integrated/Dual Degree BCA-MCA 3<sup>rd</sup> Semester** shall be offered.

\* **Exit policy** - B.Sc. (Interior Design) after 3 years & Certificate course in Interior Design after 1yr.

\*\* **Exit policy – Advance Diploma in applied arts** after 3 years, Diploma after 2 years and Certificate Course in Applied Arts after 1 year.

**Lateral Entry Scheme in B. Pharm. 3<sup>rd</sup> Sem.:** 10% of Approved Intake plus the unfilled vacancies of the First Year, as per PCI notification No. 14-48/2012- PCI/4473 dated 30 Sept. 2020

### PROGRAMMES OFFERED IN GZSCCET, BATHINDA

S.No.	PROGRAMMES	UG / PG	DURATION	CODE
1.	B.Tech. (Civil Engineering)	UG	4Yrs.	BCIE-1
2.	B.Tech. (Civil Engineering) Lateral Entry	UG	3Yrs.	BCIE-1
3.	B.Tech. (Electrical Engineering)	UG	4Yrs.	BELE-1
4.	B.Tech. (Electrical Engineering) Lateral Entry	UG	3Yrs.	BELE-1
5.	B.Tech. (Electronics & Communication Engineering)	UG	4Yrs.	BECE-1
6.	B.Tech. (Electronics & Communication Engineering) Lateral Entry	UG	3Yrs.	BECE-1
7.	B.Tech. (Mechanical Engineering)	UG	4Yrs.	BMEE-1
8.	B.Tech. (Mechanical Engineering) Lateral Entry	UG	3Yrs.	BMEE-1
9.	B.Tech. (Textile Engineering)	UG	4Yrs.	BTEX-1
10.	B.Tech. (Textile Engineering) Lateral Entry	UG	3Yrs.	BTEX-1
11.	B.Tech. (Computer Science & Engineering)	UG	4Yrs.	BCSE-2
12.	B.Tech. (Computer Science & Engineering) Lateral Entry	UG	3Yrs.	BCSE-2
13.	M.Tech. (Construction Technology & Management)	PG	2Yrs.	MCIE-6
14.	M.Tech. (Computer Science & Engineering)	PG	2Yrs.	MCSE-2
15.	M.Tech. (Mechanical Engineering)	PG	2Yrs.	MMEE-2

**Note:** Lateral Entry seats equivalent to 10% of Sanctioned intake + vacant seats of 1<sup>st</sup> Year in **B.Tech.** shall be offered.



<b>PROGRAMMES OFFERED IN PIT, NANDGARH</b>				
S.No.	PROGRAMMES	UG / PG	DURATION	CODE
1.	BBA	UG	3 Yrs	BBAD-1
2.	BCA	UG	3 Yrs	BCAP-1
3.	BCA Lateral Entry	UG	2 Yrs	BCAP-1
4.	B. Com. (Hons.)	PG	3 Yrs	BCOM-1
5.	MCA	PG	2 Yrs	MCAP-1
6.	M. Com.	PG	2 Yrs	MCOM-1
7.	Skill Certificate course in Computer Maintenance & Programming Assistant	Skill	1 Yr	CCSE-1
8.	Executive MBA	PG	3Yrs.	MBAD-3
9.	MBA	PG	2Yrs.	MBAD-1
10.	M.Tech. (Computer and Communication Engineering) Part Time	PG	3Yrs.	MCSE-9
11.	M.Tech. (Computer and Communication Engineering)	PG	2Yrs.	MCSE-8
12.	B.Tech. (Computer and Communication Engineering)	UG	4Yrs.	BCSE-7
13.	B.Sc. (Food Science & Technology)	UG	3Yrs.	BFOT-3
14.	Skill Certificate Course in Electrician	Skill	1Yr.	CELE-1

**Note:** Lateral Entry seats equivalent to 10% of Sanctioned intake + vacant seats of 1<sup>st</sup> Year in BCA 3<sup>rd</sup> Semester shall be offered.

<b>PROGRAMMES OFFERED IN PIT, GTB GARH, MOGA</b>				
S.No.	PROGRAMMES	UG / PG	DURATION	CODE
1.	B.Tech. (Electrical Engineering)	UG	4 Yrs	BELE-1
2.	B.Tech. (Electrical Engineering) Lateral Entry	UG	3 Yrs	BELE-1
3.	B.Tech. (Computer Science & Engineering)	UG	4 Yrs	BCSE-2
4.	B.Tech. (Computer Science & Engineering) Lateral Entry	UG	3 Yrs	BCSE-2
5.	BBA	UG	3 Yrs	BBAD-1
6.	BCA	PG	3 Yrs	BCAP-1
7.	BCA Lateral Entry	UG	2 Yrs	BCAP-1
8.	B.Com. (Hons.)	UG	3 Yrs	BCOM-1
9.	M.Tech. (Electrical Engineering)	PG	2 Yrs	MELE-1
10.	MCA	PG	2 Yrs	MCAP-1
11.	MBA	PG	2 Yrs	MBAD-1
12.	Skill Certificate Course in Electrician	Skill	1 Yr	CELE-1
13.	Skill Certificate Course in Computer Maintenance & Programming Assistant	Skill	1 Yr	CCSE-1
14.	Skill Certificate Course in Refrigeration & Air Conditioning Mechanic	Skill	1 Yr	CMEE-3
15.	M.Tech. (Electrical Engineering) Part Time	PG	3Yrs.	MELE-5
16.	M.Tech. (Computer Science & Engineering) Part Time	PG	3Yrs.	MCSE-7

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17.	Skill Certificate Course in Tally	Skill	6 Months	CBAD-1
18.	Skill Certificate Course in Quantity surveying & Quality Control	Skill	6 months	CCIE-2

**Note:** Lateral Entry seats equivalent to 10% of Sanctioned intake + vacant seats of 1<sup>st</sup> Year in **B.Tech.** 3<sup>rd</sup> Semester and **BCA** 3<sup>rd</sup> Semester shall be offered.

<b>PROGRAMMES OFFERED IN PIT, RAJPURA</b>				
<b>S.No.</b>	<b>PROGRAMMES</b>	<b>UG / PG</b>	<b>DURATION</b>	<b>CODE</b>
1.	B.Tech. (Computer Science & Engineering)	UG	4 Yrs.	BCSE-2
2.	B.Tech. (Computer Science & Engineering) Lateral Entry	UG	3 Yrs.	BCSE-2
3.	B.Tech. (Electrical Engineering)	UG	4 Yrs.	BELE-1
4.	M.Tech. (Computer Science & Engineering)	PG	2 Yrs.	MCSE-2
5.	MCA	PG	2 Yrs.	MCAP-1
6.	BCA Lateral Entry	UG	2 Yrs.	BCAP-1
7.	BCA	UG	3 Yrs.	BCAP-1
8.	BBA	UG	3 Yrs.	BBAD-1
9.	B.Com. (Hons.)	UG	3 Yrs.	BCOM-1
10.	MBA	PG	2 Yrs.	MBAD-1
11.	M.Com.	PG	2 Yrs.	MCOM-1
12.	B.Sc. (Non-Medical)	UG	3 Yrs.	BNME-1
13.	Integrated/Dual Degree BCA-MCA	UG/PG	5 Yrs.	MCAP-2
14.	Integrated/Dual Degree BCA-MCA Lateral Entry	UG/PG	4 Yrs.	MCAP-2
15.	Integrated/Dual Degree BBA-MBA	UG/PG	5 Yrs.	MBAD-2
16.	Skill Certificate Course in Computer Maintenance & Programming Assistant	Skill	1 Yr.	CCSE-1
17.	Skill Certificate Course in Welder	UG	1Yr	CMEE-1
18.	Skill Certificate Course in Refrigeration & Air Conditioning Mechanic	Skill	1Yr	CMEE-3
19.	B.Sc. (Food Science & Technology)	UG	3Yrs.	BFOT-3
20.	B.Sc. (Fashion Technology)	UG	3Yrs.	BFTE-2
21.	PGDCA	PG	1Yr.	PCAP-1
22.	Skill Certificate Course in Plumbing	Skill	1Yr.	CCIE-1

**Note:** Lateral Entry seats equivalent to 10% of Sanctioned intake + vacant seats of 1<sup>st</sup> Year in **B.Tech.** 3<sup>rd</sup> Semester, **BCA** 3<sup>rd</sup> Semester and Integrated/Dual Degree BCA-MCA shall be offered.

**PROGRAMMES OFFERED IN  
PUNJAB STATE AERONAUTICAL ENGINEERING COLLEGE,  
PATIALA**

S.No.	PROGRAMMES	UG / PG	DURATION	CODE
1.	B.Tech. (Aeronautical Engineering)	UG	4 Yrs.	BAEE-1
2.	B.Tech. (Aeronautical Engineering) Lateral Entry	UG	3 Yrs.	BAEE-1
3.	BBA (Aviation Management)	UG	3 Yrs.	BBAD-3
4.	Bachelor of Management Studies (Airlines, Tourism & Hospitality)	UG	3 Yrs.	BHOM-1
5.	B.Tech. (Aerospace Engineering)	UG	4 Yrs.	BAEE-4
6.	B.Tech. (Aerospace Engineering) Lateral Entry	UG	3 Yrs.	BAEE-4
7.	MBA	PG	2 Yrs.	MBAD-1
8.	BCA	UG	3 Yrs.	BCAP-1
9.	B. Com. (Aviation and Supply Chain Management)	UG	3 Yrs.	BCOM-3
10.	Skill Certificate Course in Bakery and Confectionary	Skill	6 Months	CFOT-2
11.	Skill Certificate Course in Airline Ticketing	Skill	(4 Month Teaching + 2 Month Training)	CAEE-1
12.	Skill Certificate Course in Ansys	Skill	6 Months	CAEE-2
13.	Skill Certificate Course in Catia	Skill	6 Months	CAEE-3
14.	Skill Certificate Course in Solid Works	Skill	6 Months	CAEE-4
15.	Skill Certificate Course in Nastran	Skill	6 Months	CAEE-5

**Note:** Lateral Entry seats equivalent to 10% of Sanctioned intake + vacant seats of 1<sup>st</sup> Year in **B.Tech.** 3<sup>rd</sup> Semester shall be offered.

**PROGRAMMES OFFERED IN  
MRSPTU AFFILIATED COLLEGES**

S.No.	NAME OF COURSE	UG/PG	DURATION	CODE
1.	B.Tech. (Mechanical Engineering)	UG	4 Yrs.	BMEE-1
2.	B.Tech. (Mechanical Engineering) Lateral Entry	UG	3 Yrs.	BMEE-1
3.	B.Tech. (Electrical Engineering)	UG	4 Yrs.	BELE-1
4.	B.Tech. (Electrical Engineering), Lateral Entry	UG	3 Yrs.	BELE-1
5.	B.Tech. (Electronics & Communications Engineering)	UG	4 Yrs.	BECE-1
6.	B.Tech. (Electronics & Communications Engineering) Lateral Entry	UG	3 Yrs.	BECE-1

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7.	B.Tech. (Civil Engineering)	UG	4 Yrs.	BCIE-1
8.	B.Tech. (Civil Engineering) Lateral Entry	UG	3 Yrs.	BCIE-1
9.	B.Tech. (Computer Science & Engineering)	UG	4 Yrs.	BCSE-2
10.	B.Tech. (Computer Science & Engineering) Lateral Entry	UG	3 Yrs.	BCSE-2
11.	B.Tech (Information Technology)	UG	4 Yrs.	BITE-2
12.	B.Tech. (Information Technology), Lateral Entry	UG	3 Yrs.	BITE-2
13.	B. Pharm.	UG	4 Yrs.	BPHA-1
14.	B. Pharm. Lateral Entry	UG	3 Yrs.	BPHA-1
15.	M.Tech. (Electronics & Communication Engineering)	PG	2 Yrs.	MECE-1
16.	M.Tech. (Computer Science & Engineering)	PG	2 Yrs.	MCSE-2
17.	M.Tech. (Mechanical Engineering)	PG	2 Yrs.	MMEE-2
18.	MBA	PG	2 Yrs.	MBAD-1
19.	MCA	PG	2 Yrs.	MCAP-1
20.	B.Com. (Hons.)	UG	3 Yrs.	BCOM-1
21.	B.Com. (E-Commerce)	UG	3 Yrs.	BCOM-2
22.	BBA	UG	3 Yrs.	BBAD-1
23.	BCA	UG	3 Yrs.	BCAP-1
24.	BCA Lateral Entry	UG	2 Yrs.	BCAP-1
25.	B.Sc. (Fashion Technology)	UG	3 Yrs.	BFTE-2
26.	B.Sc. (Fashion Technology), Lateral Entry	UG	2 Yrs.	BFTE-2
27.	B.Sc. (Fashion Design)	UG	3 Yrs.	BFTE-1
28.	B.Sc. (IT)	UG	3 Yrs.	BITE-1
29.	B.Sc. (IT) Lateral Entry	UG	2 Yrs.	BITE-1
30.	B.Sc. (Medical Lab Science)	UG	3 Yrs.	BMLT-1
31.	B.Sc. (Medical Lab Science) Lateral Entry	UG	2 Yrs.	BMLT-1
32.	B.Sc. (Hons.) Agriculture	UG	4 Yrs.	BAGE-1
33.	B.Sc. (Hons.) Agriculture Lateral Entry	UG	3 Yrs.	BAGE-1
34.	B.Sc. (Non-Medical)	UG	3 Yrs.	BNME-1
35.	Bachelor of Management Studies (Airlines, Tourism and Hospitality)	UG	3 Yrs.	BHOM-1
36.	Bachelor of Management Studies (Hotel Management and Catering Technology)	UG	3 Yrs.	BHOM-3
37.	B.Sc. (Hons.) Aircraft Maintenance Engineering	UG	3 Yrs.	BAEE-3
38.	B.Sc. (Operation Theater Technology)	UG	3 Yrs.	BOTT-1
39.	B.Sc. (Operation Theater Technology) Lateral Entry	UG	2 Yrs.	BOTT-1
40.	B.Sc.(Radio Medical Imaging Technology)	UG	3 Yrs.	BRMI-1

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41.	B.Sc. (Radio Medical Imaging Technology) Lateral Entry	UG	2 Yrs.	BRMI-1
42.	B.Sc. (Optometry)	UG	4 Yrs.	BOPT-1
43.	B.Sc. (Optometry) Lateral Entry	UG	3 Yrs.	BOPT-1
44.	M.Sc. (Chemistry)	PG	2 Yrs.	MCHM-1
45.	M.Sc. (Physics)	PG	2 Yrs.	MPHY-1
46.	M.Sc. (Mathematics)	PG	2 Yrs.	MMAT-1
47.	M.Com.	PG	2 Yrs.	MCOM-1
48.	M.Sc. (IT)	PG	2 Yrs.	MITE-1
49.	Post Graduate Diploma in Computer Applications (PGDCA)	PG	1 Yr.	PCAP-1
50.	M.Sc. (Fashion Technology)	PG	2 Yrs.	MFTE-1
51.	M.Sc. (Computer Science)	PG	2 Yrs.	MCAP-3
52.	M.Sc. Medical Lab Science (Clinical Biochemistry)	PG	2 Yrs.	MMLT-1
53.	M. Com (Hospital Administration)	PG	2 Yrs.	MCOM-3
54.	M.Sc. (Microbiology)	PG	2 Yrs.	MPHA-10
55.	B.A. (Journalism & Mass Communication)	UG	3 Yrs.	BART-1
56.	B.Sc. (Dialysis Technology)	UG	4 Yrs.	BPRM-1
57.	B.Sc. (Cardiac Care Technology)	UG	4 Yrs.	BPRM-2
58.	B.Sc. (Hons.) Forensic Science	UG	3 Yrs.	BPRM-3
59.	B.Sc. (Anesthesia Technology)	UG	4 Yrs.	BPRM-4
60.	B.Sc. (Respiratory Care Technology)	UG	4 Yrs.	BPRM-5
61.	M.Sc. Medical Lab Science (Clinical Microbiology)	PG	2 Yrs.	MMLT-2
62.	M.Sc. (Radio Medical Imaging Technology)	PG	2 Yrs.	MRMI-1
63.	M.Sc. (Anesthesia & Operation Theater Technology)	PG	2 Yrs.	MPRM-1
64.	B.Sc. (Graphics & Web Designing)	UG	3	BCAP-3
65.	Pharm. D	PG	6	MPHD-1
66.	B.Pharm. (Practice)	UG	2	BPHA-2
67.	Skill Certificate course in Computer Maintenance & Programming Assistant	Skill	1 Yr.	CCSE-1
68.	Skill Certificate course in Computer Hardware & Networking	Skill	1 Yr.	CECE-2
69.	Skill Certificate course in Computer Proficiency	Skill	6 months	CCAP-2
70.	Skill Certificate course for Sewing Operator	Skill	6 months	CTEX-1
71.	Skill Certificate course in Medical Lab Technology	Skill	1 Yr.	CMLT-1
72.	Skill Certificate course in Functional English	Skill	6 months	CHUM-1
73.	PG Skill Certificate Course in Hospital Administration	Skill	6 months	CPHA-1
74.	B.Sc. (Hons.) Agri Business Management	UG	4 Yrs	BAGE-5

## MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

75.	MBA (Agri Business)	PG	2 Yrs	MAGE-1
76.	M.Sc. (Agriculture) Agronomy	PG	2 Yrs	MAGE-2
77.	M.Sc. Horticulture (Vegetable Science)	PG	2 Yrs	MAGE-3
78.	M.Sc. Horticulture (Fruit Science)	PG	2 Yrs	MAGE-4
79.	Post Graduate Diploma in Medical Record Techniques	PG	1 Yr	PPHA-3
80.	Post Graduate Diploma in Nutrition and Dietetics	PG	1 Yr	PPHA-4
81.	Post Graduate Diploma in Public Health	PG	1 Yr	PPHA-5
82.	Post Graduate Diploma in Hospital Management	PG	1 Yr	PPHA-6

**Note:** Lateral Entry seats equivalent to 10% of Sanctioned intake + vacant seats of 1<sup>st</sup> Year in **B.Tech.** 3<sup>rd</sup> Semester, **BCA** 3<sup>rd</sup> Semester shall be offered.

10% seats of the “Approved Intake” which shall be over and above, supernumerary to the “Approved Intake”, plus the unfilled vacancies of the First Year available in B.Sc. 3<sup>rd</sup> semester Programmes (wherever applicable), through Lateral Entry Scheme.

**Lateral Entry Scheme in B. Pharm. 3<sup>rd</sup> Sem.:** 10% of Approved Intake plus the unfilled vacancies of the First Year, as per PCI notification No. 14-48/2012- PCI/4473 dated 30 Sept. 2020

### MRSPTU INTERNATIONAL DEGREE PROGRAMMES (Under MoUs)

#### 1. GENERAL PROTOCOL OF MOU SIGNED WITH WAYNE STATE UNIVERSITY, DETROIT, MICHIGAN, USA

The University has signed MoU with Wayne State University, Detroit, Michigan, United States (WSU) through which the eligible students can be accepted into the appropriate departments at WSU, after completing 3 years of their undergraduate Program at MRSPTU, under 3+1 or 3+2 Agreement. Under this MoUs University has decided to admit 20 students in each branch of **CSE, Electrical Engg, Mech Engg** w.e.f. 2021-22 to onwards. The admissions will be made to 1st, 2nd, and 3rd years during that Academic Session.

The detailed description of MoUs and Agreements signed by MRSPTU, Bathinda with universities of repute is given in PART-V of the brochure.

**ELIGIBILITY CRITERIA & MODE OF ADMISSION TO  
MRSPTU PROGRAMMES  
2022-23 BATCH**

For a candidate to be eligible to apply for admission in any of the Programmes offered by MRSPTU Teaching Departments/Constituent & Affiliated Colleges, he/she must,

1. Fulfill Minimum Eligibility Criteria for basic qualification (**Part-III, MRSPTU Information Brochure 2022-23**).
2. Fulfill all other conditions laid down in **Punjab Government Notifications** for Admissions in Academic Session 2022-23.
3. Fulfill all other general eligibility criteria as per **memo No. 35/44/95-1T(2)/978 Dated, Chandigarh, the 21<sup>st</sup> March, 2003 of the State Govt. of Punjab**.
4. Bears a good moral character.
5. Complete/fulfill all the applicable requirements of MRSPTU and the College in which admission is sought.

**RESERVATION POLICY**

1. For online centralized counselling by I.K. Gujral PTU and online direct counselling by MRSPTU, the reservation of seats shall be as per Punjab Govt., Department of Technical Education and Industrial Training Memo no. **13/2/05-1TE2/1987 dated 02/07/2013 Memo. No. 8/41/2019 - 4 TE2/53 dated 13.09.2019**. MRSPTU will comply with the exemptions allowed in these notifications.
2. Every candidate must mention in his/her application at the time of registration, the reserved category and sub reserved category (if applicable) for which he/she has applied. A Candidate seeking admission under a reserved category will be eligible to apply for only one reserved category.
3. A candidate shall be eligible to make a claim for reservation in any of the reserved categories. However, the procedure for counselling shall be as per Punjab Govt., Welfare Department (Reservation Cell) **Memo no. 7/21/2004-RS1/1674-1677 dated 20/12/2004**. He/she shall be required to bring original certificates when called upon to do so. A Candidate not claiming any reservation shall be treated and considered as a "General Candidate". Rules/instructions of Govt. of Punjab, regarding reserved categories as amended from time to time, will be applicable. The reservation policy of the Punjab Govt. is applicable.

**Important:**

As per the UGC **letter no. F.1-27/2009 (SCT)** all the eligible SC/ST, OBC, PwD students etc. should submit their scholarship form for the academic year by February for processing scholarship to SC/ST, OBC, PwD etc.

**MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA**

<b>CATEGORY CODES</b>				
Reserved Category		Main Cat.	Sub Cat.	Priority List
<b>Scheduled Castes/Scheduled Tribes</b>		<b>SC</b>	---	---
<b>Backward Classes</b>		<b>BC</b>	---	---
<b>Border Areas</b>		<b>BR</b>	---	---
<b>Backward Areas</b>		<b>BA</b>	---	---
<b>Sportspersons</b>		<b>SP</b>	---	---
1	Grade-A	SP	S1	---
2	Grade-B	SP	S2	---
3	Grade-C	SP	S3	---
4	Grade-D	SP	S4	---
<b>Children/Grand Children of Freedom Fighters</b>		<b>FF</b>	---	---
<b>Disabled Persons</b>		<b>DP</b>	---	---
1	Blind	DP	D1	---
2	Deaf & Dumb	DP	D2	---
3	Other Handicapped	DP	D3	---
<b>Children/Widows of Defence Personnel / Ex-servicemen etc.</b>		<b>DF</b>	---	---
1	Posthumous Awardees	DF	DF1	---
2	Other Awardees	DF	DF2	---
3	Children/ Wards of the Defence Personnel killed or disabled to the extent of 50% or more	DF	DF3	---
4	Serving Defence Personnel/Ex-servicemen	DF	DF4	---
	(a) ParamVir Chakra (PVC) winners	DF	DF4	F1
	(b) Ashok Chakra (AC) winners	DF	DF4	F2
	(c) SarvottamYudhSeva Medal (SYSM) winner	DF	DF4	F3
	(d) MahaVir Chakra (MVC) winner	DF	DF4	F4
	(e) Kirit Chakra (KC) winner	DF	DF4	F5
	(f) UttamYudhSeva Medal (UYSM) winner	DF	DF4	F6
	(g) Vir Chakra (VrC) winner	DF	DF4	F7
	(h) Shaurya Chakra (SC) winner	DF	DF4	F8
	(i) YudhSeva Medal (YSM)	DF	DF4	F9
	(j) Sena/NauSena/VayuSena Medal (gallantry only)	DF	DF4	F10
	(k) Mention-in Despatches	DF	DF4	F11
	(l) Defence Personnel killed or disabled to the extent of 50% or more <b>“in action”</b> including cases of Home Guards	DF	DF4	F12
	(m) PVSM awardees of Serving Defence personal/ex-servicemen	DF	DF4	F13
	(n) AVSM awardees of Serving Defence personal/ex-servicemen	DF	DF4	F14
	(o) VSM awardees of Serving Defence personal / ex-servicemen	DF	DF4	F15
	(p) Sena Medal / NauSena Medal and VayuSena Medal (Distinguished service) awardees of Serving Defence personal / ex-servicemen	DF	DF4	F16



**MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA**

<b>Children/Widows of Para-military forces/Punjab Police, PAP and Punjab Home Guards</b>		PM	---	---
1	Winners of President's Police Medal for Gallantry, including posthumous awardees.	PM	P1	---
2	Winners of the Police Medal for Gallantry, conferred by the President of India, including posthumous awardees	PM	P2	---
3	Killed or disabled to the extent of 50% or more "In action" including cases of Home Guards	PM	P3	---
4	Serving para-military personnel and ex-para-military personnel	PM	P4	---
5	Remaining Categories	PM	P5	---
<b>Riot affected/ Terrorist affected Families</b>		RT	---	---
1	Persons killed in 1984 riots / killed as a result of terrorist violence or killed by the security forces acting in aid of civil authority, including innocent civilians and Army Deserters as well as those of these categories who have been disabled physically to the extent of 100% in accordance with the policy already in place	RT	T1	---
2	Persons of the above categories who were disabled to an extent less than 100%	RT	T2	---
3	All other categories mentioned in the existing policy under this head.	RT	T3	---
<b>Single Girl Child</b>		SGC	---	---
<b>Tsunami victims OR Cancer/AIDS/Thalassemia</b>		TS	---	---

Children/Wards of the posthumous awardees would get preference over the children/wards of the normal awardees of the same category.

(i) **ESM priority in case of Sports persons**

<b>Priority (Sub-Sub-Category) for Sports Persons</b>	
<b>PriorityCode</b>	<b>Description</b>
01	Gold Medal-Senior
02	Gold Medal-Junior
03	Gold Medal-19 Years
04	Gold Medal-16 Years
05	Silver Medal-Senior
06	Silver Medal-Junior
07	Silver Medal-19 Years
08	Silver Medal-17 Years
09	Bronze Medal-Senior
10	Bronze Medal-Junior
11	Bronze Medal-19 Years
12	Bronze Medal-1 Year
13	Gradation, No Medal (Only participation)

<b>Priority for Sub Categories of Riot/Terrorist affected Families</b>	
<b>Priority Code</b>	<b>Description</b>
01	Persons killed in 1984 riots/killed as result of terrorist violence
02	Person who were disabled to an extent less than 100%
03	All other categories mentioned in the existing policy under this head

## **RESERVATION FOR T-SUNAMI VICTIMS/CANCER/AIDS/THALASSEMIA AFFECTED CANDIDATES**

There are one percent seats reserved for Tsunami affected persons, children/grandchildren of original ex-serviceman settlers of Campbell Bay Island **OR** Students suffering from **Cancer/AIDS/Thalassemia** as per Punjab Govt. **Memo. No.13/2/05-1TE2/1987, Dated: 02/07/2013.**

## **KASHMIRI MIGRANTS**

There is one seat reserved for Kashmiri Migrants as per Punjab Government **Notification no. TECH-TE-2013/2/2020-4TE2/1036 dated 11/10/2021.** The admissions and disciplines of seat under this category will be decided by Director, Technical Education & Industrial Training, Punjab, Chandigarh. Candidates desirous of seeking admission as Kashmiri Migrants may contact the office of Director, Technical Education & Industrial Training, Plot No. 1, Sector - 36-A, Chandigarh.

## **MANAGEMENT QUOTA SEATS**

- a) The Government of Punjab has approved 33-1/3 percent (one third) of total seats as management quota vide **Notification No. 13/129/2003-1TE2/1247 dated 25/04/2008, No. 13/129/2003-1TE2/1892 dated 20/04/2008, partial notification no. No. 13/129/2003-1TE2/171 dated 18/01/2011** in all the Private Unaided Colleges/Institutions.
- b) Each Institution shall publish an advertisement in two leading newspapers (one in English and one in Punjabi language), with a clear fifteen days of period before the last date for making application for admission under this category.
- c) The College/Institute Management shall fill these seats in accordance with the following order of preference:
  - (i) Merit in JEE - 2020
  - (ii) Marks secured in the qualifying examination.
- d) The fee of “**Management Quota**” seats shall be the same as the latest uniform rate of fee already notified **vide No.- 13/127/09-1TE2/767 dated 01/03/2011** until it is revised in accordance with procedure established by law, subject to the condition that there shall be no profiteering or charging or any capitation fee, directly or indirectly, Miscellaneous charges like Admission Fee, Security, Student Fund and Hostel Fee already fixed and conveyed vide **memos dated 4/3/99 and 15/3/99** will continue be charged.
- e) The admission under Management Quota will be initiated by the respective affiliated colleges after the completion of centralized online counselling conducted by IKG Punjab Technical University, Jalandhar.

**ADMISSION OF INTERNATIONAL/FOREIGN STUDENTS IN  
UNIVERSITY MAIN CAMPUS/CONSTITUENT & AFFILIATED  
COLLEGES**

**Norms/Guidelines for admissions to various Courses for International Students in  
MRSPTU, Bathinda**

**1. Introduction:**

These rules define the procedure for the admission of International students to various courses. These rules are based on General Guidelines issued by the University Grants Commission (UGC), Association of Indian Universities (AIU) and Statutory / Regulatory directives issued from time to time.

**2. The Cell:**

The International Students Cell will provide necessary guidance for admission. All letters related to international students should be addressed to the Office mentioned below. Admission of NRI/PIO/Foreign National candidates will be based on merit in qualifying examination or equivalent examination.

**Candidates seeking admission under this category should contact:**

*International Students Facilitation Cell*

*Maharaja Ranjit Singh Punjab Technical University,  
Bathinda,*

*Dabawali Road, Bathinda,*

*Bathinda (Punjab) -151001*

**or**

**The Principal/ Director of concerned college.**

**3. International Students:**

i. Foreign students: Students holding passports issued by foreign countries including people of Indian origin who have acquired the nationality of foreign countries.

ii. Non Resident Indians (NRI): Only those Non Resident Indian students who have studied and passed the qualifying examinations from schools or colleges in foreign countries will be included as international students. This will include the students studying in the schools or colleges situated in foreign countries even if affiliated to the Boards of Secondary, Higher Secondary Education or Universities located in India, but will not include students studying in those schools or colleges (situated in India) and affiliated to the Boards of Secondary Higher Secondary Education or Universities of foreign countries. Students passing the qualifying examinations from Boards or Universities located in foreign countries as external students and Dependants of NRI studying in India will not merit the status of international students.

**Entry level status of International students on entry to the country will be maintained.**

**4. Rules for Deposit of Counselling and Other Fees**

- i. Candidates will register online at [www.mrsptu.ac.in](http://www.mrsptu.ac.in) and deposit counselling fees of US\$ 100 (Non-Refundable) for affiliated colleges of MRSPTU and US\$ 30 (Non-Refundable) for Main Campus/ constituent colleges of MRSPTU. They will have to take the print out of the online fee slip.

- ii. Each candidate is required to deposit fee year wise, as per the fee structure of the University. This payment of fee must be deposited within date specified on the allotment letter.
- iii. If a student does not submit fee within stipulated time, his seat may be treated as cancelled.

**4. Documents required for admission of International Students:**

i. Visa: All the international students will require a student visa endorsed to this Institution for joining full time courses. No other endorsement is acceptable. Students wishing to join a research programme will require a research visa endorsed to this Institution. The visa should be valid for the prescribed duration of the course.

Visa is not required for NRI students.

ii. All international students wishing to undertake any research work or join a Ph.D programmes will have to obtain prior security clearance from the Ministry of Home Affairs and the approval of Department of Secondary & Higher Education, Ministry of Human Resource Development, Government of India.

**5. Eligibility Qualifications:**

Only students having qualification recognized as equivalent by the Association Of Indian Universities (AIU) are only eligible for admission.

- i. A candidate shall have completed 17 years of age on or before 31st December of the last calendar year.
- ii. Under this category only the students who have studied and passed the qualifying examination from a school located in foreign country shall be considered. This will include the student studying in school and / or college situated in foreign country, even if the concerned school / college is affiliated to any Board of secondary, Higher Secondary education or a University in India. However, wards of NRI / PIO / FN, who is studying for the qualifying examination in school / college located in India are excluded.
- iii. The candidate shall get equivalence certificate from the Association of Indian University (AIU), New Delhi.

**6. Equivalence Certificate**

For issue of Equivalence Certificate, US \$ 200 or equivalent Indian currency or fee as applicable payable through Demand Draft favouring "Association of Indian Universities, New Delhi" is required.

For prescribed application form to be submitted to the Association of Indian Universities, New Delhi" refer (**Annexure - I**).

Detailed Guidelines of Association of Indian Universities, New Delhi". For International Admission are available on <http://www.aiuweb.org/Evaluation/evaluation.asp>

For further details such as eligibility conditions, last date of application, procedure, counseling schedule etc. visit University website **www.mrsptu.ac.in**.

(a) The candidates against NRI / PIO / NRI seats will be admitted on merit determined on the basis of marks obtained in the qualifying examination. ***They shall not be required to take the Entrance Test.***

(b) First preferences shall be given to those NRI / PIO candidates who are having ancestral Punjab Resident background.

(c) Second preference shall be given to those NRI / PIO candidates who are having ancestral background relating to other States of India.

(d) Third preference shall be given to those resident Indian Candidates who are sponsored by an NRI / PIO and the sponsorship letter is attached with their application.

(e) Fourth preference shall be given to those resident Indian Candidates who are ready to pay fees in Indian Currency.

For details see Punjab Govt. Notification No. 13/129/2003-1TE2/1030 Dated: 05.04.2004 & 13/129/03/1TE2/1892 dated 20.06.2008.

**RULES FOR ADJUSTMENT/REFUND OF FEES ON SEAT  
SURRENDER**

**AICTE PROGRAMMES**

Fee will be refunded as per point no. 8.13 of AICTE Approval Process Handbook 2022-23 and as per revised AICTE Academic Calendar issued from time to time.

**NON-AICTE PROGRAMMES**

Fee will be refunded as per UGC Guidelines issued from time to time.

### **AICTE TUITION FEE WAIVER SCHEME**

Mandatory provision of supernumerary seats under Tuition Fee Waiver Scheme in all the Courses and Programmes shall be applicable to all Technical Institutions as per point no. 7.49 of Approval Process Handbook 2022-23 of AICTE, New Delhi.

### **CHIEF MINISTER SCHOLARSHIP SCHEME**

The benefits of Chief Minister Scholarship Scheme 2022-23 shall be extended to candidates from Punjab as well as other states as per the eligibility given in **Reg./Notification/175 dated 02/06/2022**. The details are available on MRSPTU website [www.mrsptu.ac.in](http://www.mrsptu.ac.in)

### **POST MATRIC SCHOLARSHIP SCHEME**

The details of Post Matric Scholarship Scheme are available on MRSPTU website [www.mrsptu.ac.in](http://www.mrsptu.ac.in).

### **ANTI-RAGGING**

Anti-ragging policy as per **AICTE F. No.37-3/Legal/AICTE/2009** Notification for prohibition of ragging in technical institutions, universities including deemed to be universities imparting technical education will be followed.

### **FEE STRUCTURE**

The detailed fee structure for various Programmes is available in **Part IV, Information Brochure, MRSPTU, 2022-23**.

**NOTE: The details of courses mentioned in this Information Brochure is as per the details available and may change time to time in recommendations of concerned authorities.**