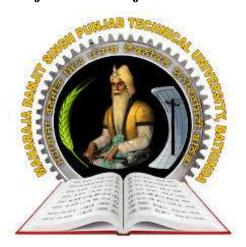
MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

(Established by Govt. of Punjab under Punjab Act 5 of 2015 and UGC Act 2 (f))



AGENDA 4th ACADEMIC COUNCIL MEETING

VENUE: MRSPTU, BATHINDA

DATE: 10-06-2021

TIME: 11:00 A.M.



Maharaja Ranjit Singh Punjab Technical University

Dabwali Road, Bathinda -151001

(Estb. by Govt. of Punjab vide Act No. 5 [2015] and u/s 2(f) and 12 B of UGC Act, 1956)

Ref. No. 1441

13. Director,

Email

Dated. 04-06-2021

Member

Sub:- 4TH Meeting of Academic Council to be held on 10-06-2021 at 11:00 AM

To,

1.	Prof. Buta Singh Sidhu,	Chairman
	Vice-Chancellor, MRSPTU, Bathinda,	
2.	Dr. O.P. Panday,	Member
	Dean Faculty (Sciences),	
	Sr. Professor & Head, School of Physics and Material Science,	
	Thapar Institute of Engineering & Technology, Patiala	
3.	Dr. Sunder Singh,	Member
	Dean Faculty (Engineering & Technology),	
	Former Professor, Civil,	
	Thapar Institute of Engineering & Technology, Patiala.	
4.	Dr. Inder Pal Singh,	Member
	Dean Faculty (Pharmacy),	
den	Professor, Natural Products Chemistry, NIPER, Mohali.	
5.	Dr. Gaurav Raheja,	Member
	Dean Faculty (Architecture),	
	Associate Professor, Deptt. of Architecture & Planning,	
	IIT, Rookree	
6.	Dr. Rajnit Kohli,	Member
	Dean Faculty (Hospitality and Tourism Management)	
	Principal, Institute of Engineering & Technology, Bathinda.	
7.	Dr. Gurwinder Singh,	Member
	Dean Faculty (Commerce & Management),	
	Thapar Institute of Engineering & Technology, Patiala	
8.	Sh. Rajinder Gupta,	Member
	Chairman,	
	Trident Group, Barnala.	
9.	Sh. Rajinder Mittal,	Member
	Managing Director,	
	BCL Industries Limited, Bathinda.	
10.	Dr. Shyam Sunder Pattnaik,	Member
	Director,	100210
	National Institute of Technical Teachers Training, Chandigarh.	
11.	Dr. Sehijpal Singh,	Member
	Director,	
	Guru Nanak Dev Engineering College, Ludhiana.	
12.	Campus Director,	Member
	Giani Zail Singh Campus College of Engineering & Technology, Bat	hinda
Civilana.	HENRY NEW YORK NEW Y	

Punjab Institute of Technology, Nandgarh, District Bathinda

14. Director,	Member
Punjab Institute of Technology, GTB Garh, District Moga	Member
15. Director,	Niember
Punjab Institute of Technology, Rajpura	Member
16. Director, Desire State Agrangutical Enga College Patiala	1110111001
Punjab State Aeronautical Engg. College, Patiala	Member
17. Director, Punjab Institute of Technology, Arniwala	
18. Dean Academic Affairs,	Member
MRSPTU, Bathinda	
19. Dean Students Welfare,	Member
MRSPTU, Bathinda	
20. Dean Planning & Development,	Member
MRSPTU, Bathinda,	
21. Dean Consultancy & Industry Linkage,	Member
MRSPTU, Bathinda,	2011 (195)
22. Dean Distance Education Program,	Member
MRSPTU, Bathinda,	
23. Dean R & D,	Member
MRSPTU, Bathinda	Manakan
24. Dean College Development Council,	Member
MRSPTU, Bathinda	Member
25. Controller of Examinations,	Wiember
MRSPTU, Bathinda	Member
26. Head,	
Department of Mechanical Engineering, GZSCCET, MRSPTU, Bathinda	
	Member
27. Head, Department of Civil Engineering,	
GZSCCET, MRSPTU, Bathinda	
28. Head,	Member
Department of Electrical Engineering,	
GZSCCET, MRSPTU, Bathinda	
29. Head,	Member
Department of Electronics & Comm. Engineering,	
GZSCCET, MRSPTU, Bathinda	
30. Head,	Member
Department of Textile Engineering,	Buddan Alman
GZSCCET, MRSPTU, Bathinda	Au*(2000)
31. Head,	Member
Department of Computer Sc. & Engineering,	
GZSCCET, MRSPTU, Bathinda	Member
32. Heau,	
GZS School of Planning & Architecture, MRSPTU, Bathinda	Member
55. Heau,	retarriti di
Department of Physics, MRSPTU, Bathinda	

34	. Head,	Member
	Department of Chemistry, MRSPTU, Bathinda	
35	. Head,	Member
	Department of Mathematics, MRSPTU, Bathinda	
36	. Head,	Member
	Department of Business School, MRSPTU, Bathinda	
37	. Head,	
	Department of Computational Sciences, MRSPTU, Bathinda	
38	. Head,	Member
	Department of Pharmaceutical Sc. & Technology, MRSPTU, Bathinda	
39.	. Head,	Member
2 4	Department of Food Sc. & Technology, MRSPTU, Bathinda	
40.	. Principal,	Member
	Aklia Educational & Research Society Group of Institute,	
	Village Aklia Kalan, Goniana-Jaitu Road, Giniana Mandi, Distt. Bathinda	
41.	Principal,	Member
	Arayabhatta Group of Institutes,	
	NH-71, Village Cheema-Jodhpur, Distt. Barnala	
42.	Principal,	Member
	Bahra Group of Institutes,	
	Patiala-Sangrur NH-7, Village Bhedpura, Distt. Patiala.	
43.	Principal,	Member
	Bharat Institutes of Management Studies,	
	Village Khera Khurad, Delhi Road, Teshsil Sardulgarh, Distt. Mansa	
44.	Principal,	Member
	Ferozepur College of Engineering & Technology,	
	Ferozepur-Moga G.T. Road, Village Ferozeshah, Distt. Ferozepur	
45.	Principal,	Member
	Guru Ram Dass Institute of Engineering & Technology,	
	19 Km Mile Stone, Bathinda-Barnala Highway Village Lehra Bega,	
	Tehsil Nathana, Distt. Bathinda.	
46.	Principal,	Member
	Sainik Institute of Management and Technology,	
	C/O District Defence Services Welfare Office, Civil Lines,	
	Opposite City Centre Mall, Distt. Bathinda.	
	Principal,	Member
	Cordia Institute of Hotel Management,	
	VPO Sanghol, Tehsil Khamano, Distt. Fatehgarh Sahib.	
	Principal,	Member
	Gurukul Institute of Pharmaceutical Sciences,	
	Village Badesh Kalan, Khamano, Distt. Fatehgarh Sahib.	
	Principal,	Member
	Radiant Institute of Engineering & Technology	
	Opposite B.S.F. Camp, HAnumangarh Road, Abhoar.	

Sub:- Agenda of 4th meeting of Academic Council of Maharaja Ranjit Singh Punjab Technical University, Bathinda to be held on 10-06-2021

Greetings from the Univesity

Please find enclosed herewith the agenda of 4th Meeting of Academic Council of the University, which is scheduled to be held on 10-06-2021 at 11:00 A.M via video conference in Maharaja Ranjit Singh Punjab Technical University, Dabwali Road, Bathinda. You are requested to make it convenient to attend this meeting.

Further, you are requested to confirm your availability to attend this meeting. The link of google meet for the online meeting is given below

meet.google.com/vqr-denq-wfb

woln fal Sigl Registrar-cum-

Secretary, Academic Council

Copy to

1. Hon'ble Vice Chancellor-cum-Chairman, Academic Council, MRSPTU, Bathinda.

2. Office of Dean Academic Affairs, MRSPTU, Bathinda: For keeping the record of this meeting.

Viller's region I have a frament a party Program Schiller

3. Prof. Incharge (Finance & Purchase), MRSPTU, Bathinda.

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ITEM NO. 04.01. CONFIRMATION OF THE MINUTES OF 3rdMEETING OF ACADEMIC COUNCIL HELD ON 16.11.2018

The proceedings of 3rdMeeting of Academic Council held on 16.11.2018 were put for approval in 9th meeting of BoG held on 10.12.2019 and the same was approved vide item no. 9.6 is placed at **ANNEXURE-I**

The Item is placed before the Academic Council for confirmation please.

ITEM NO. 04.02. ACTION TAKEN REPORT OF 3RD MEETING OF THE ACADEMIC COUNCIL HELD ON 16.11.2018.

The decisions taken as per the Minutes of 3rd meeting of Academic Council of the University held on 16.11.2018 had already been implemented.

The Item is placed before the Academic Council for information please.

ITEM NO. 04.03. INFORMATION ABOUT THE MINUTES OF 3RD MEETING OF STANDING COMMITTEE FOR ACADEMIC COUNCIL HELD ON 24.05.2019

The Standing Committee of Academic Council was constituted in 1st meeting of Academic Council vide agenda item 1.35 and subsequently, the proceeding of the same was approved in 4th meeting of BoG of the University vide agenda item 4.3.

The minutes of 3rdMeeting of Standing Committee for Academic Council held on 24.05.2019 was put in 9th meeting of the BoG and the same was approved vide item no. 9.10 is placed at **ANNEXURE-II** and decisions of this meeting had already been implemented.

The Item is placed before the Academic Council for information please.

ITEM NO. 04.04. RATIFICATION THE NOTIFICATION FOR COMPLETE REGULAR Ph.D COURSE WORK ALONG WITH REGULAR JOB BY MAIN CAMPUS / GZSCCET, MRSPTU EMPLOYEES.

As per the agenda item no. 01.08 of 1st Standing Committee for Academic Council of MRSPTU held on 20.12.2016 it was decided that a Candidate serving as a Part Time Faculty Member (Lecture Basis) in MRSPTU, Bathinda Main University Campus and GZSCCET, Bathinda is allowed to register for Pre-Ph.D. courses and same was ratified vide item no. 02.21 point no. 5 of 2nd Academic Council Meeting held on 31.05.2017. The proceedings of this meeting was further approved vide item no. 6.7 in 6th BoG meeting held on 25.07.2017 (ANNEXURE-III)

A notification has been issued by the University vide no. Notification/Reg/132/625 dated 23.02.2021 to allow the Ph.D students/candidates, who are employee of this University to complete their pre-Ph.D registration course work on regular basis by adjusting their time table in their respective department along with their job in the University and fulfilment of applicable MRSPTU, Ph.D. Regulations (ANNEXURE-IV)

The Item is placed before the Academic Council for ratification.

ITEM NO. 04.05. APPROVAL TO START PROVISIONAL ADMISSION PROCESS FOR SESSION 2021-22 IN MAIN CAMPUS AND CONSTITUENT COLLEGES OF MRSPTU, BATHINDA.

A proposal has been received from Chairman Admission Cell, MRSPTU, Bathinda to start provisional admission process for session 2021-22 in Main Campus and Constituent colleges of MRSPTU, Bathinda vide no. VC/248 dt. 27.05.2021 (ANNEXURE-V).

The Item is placed before the Academic Council for deliberation and approval please.

ITEM NO. 04.06. APPROVAL REGARDING MOU SIGNED WITH WAYNE STATE UNIVERSITY, DETROIT, MICHIGAN, USA ON 27-05-21

The University has signed MoU with Wayne State University, Detroit, Michigan, United States (WSU) on 27th May 2021, 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 (ANNEXURE-VI).

Under 3+1 agreement, the selected students of Bachelor Degree program in Engineering or Computer Science will study for the first 3 years at MRSPTU and they will be accepted by WSU in accordance with their policies. Each successful candidate will receive their Bachelor degree from MRSPTU and Bachelor Degree from WSU.

Under 3+2 agreement, the selected student in the assigned Bachelor's Degree Program to complete its first 3 years at MRSPTU and they will be accepted by WSU in accordance with their policies to study for 2 years at WSU. After the successful completion of 1st Year at WSU, the students will be awarded Bachelor Degree by WSU. Further, after successful completion of 2nd year at WSU, the students will be awarded with Master's Degree by WSU.

Proposed recommendations to implement MoU signed received from the committee comprising of the following members to implement MoU signed between MRSPTU and WSU is attached at (ANNEXURE-VII);

- 1. Dr. Rajesh Gupta, PI (Corporate Resource Centre) MRSPTU, Bathinda
- 2. Dr. S.K. Bath, Head Deptt. of EE, GZSCCET, MRSPTU, Bathinda
- 3. Dr. Dinesh Kumar, Head Deptt. of CSE, GZSCCET, MRSPTU, Bti.
- 4. Prof. Sanjay Bhatnagar, Head Deptt. of Computational Sci., MRSPTU, Bti
- 5. Prof. J.S. Tiwana, Head Deptt. of ME, GZSCCET, MRSPTU, Bti.

Under this MoUs University has decided to admit 20 students in each branch of CSE, Electrical Engg, Mech Engg w.e.f. this year to onwards. The admissions will be made to 1st, 2nd, and 3rd years during that Academic Session.

The Item is placed before the Academic Council for consideration and approval please.

ITEM NO. 04.07. RATIFICATION OF THE COURSES NOTIFIED FOR THE UNIVERSITY MAIN CAMPUS AND CONSTITUENT FOR ACADEMIC SESSION 2021-22

Consequent upon the approval from the Higher Authority of the University vide no. VC/259 dt. 31.05.2021 (ANNEXURE-VIII), Maharaja Ranjit Singh Punjab Technical University, Bathinda has notified list of courses to be offered in the University Main Campus and its Constituent Colleges for the Academic Session 2021-22 vide notification no. Reg./137 dated 01-06-2021 (ANNEXURE-IX)

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.08.TO APPROVE THE MINUTES OF 3rd MEETINGS OF UNIVERSITY RESEARCH BOARD HELD ON 31.05.2021

The approved minutes of 3rdMeeting of University Research Board held on 31.05.2021 are attached herewith **ANNEXURE-X**.

The Item is placed before the Academic Council for approval please.

ITEM NO. 04.09. TO APPROVE THE MINUTES OF 3rd/4th/5thMEETINGS OF BOARD OF STUDIES IN AERONAUTICAL & AEROSPACE ENGG. HELD ON 05.05.2020, 17.12.2020, 26.03.2021

The minutes of meeting of 3rd/ 4th / 5th meetings of Board of Studies in Aeronautical & Aerospace Engg. held on 05.05.2020, 17.12.2020, 26.03.2021 are attached herewith **ANNEXURE-XI**.

The Item is placed before the Academic Council for approval please.

ITEM NO. 04.10.TO RATIFY THE NOTIFICATION REGARDING EQUIVALENCE OF B.COM. (PROFESSIONAL) WITH B.COM. (HONS.)

A request received from BIS College, Moga regarding equivalency of B.Com. (Professional) and B.Com. (Hons.) courses offered by MRSPTU, Bathinda. A committee was constituted, and recommendations received were approved vide no. VC/713 dated 08.08.2019 and the same was notified vide no. DAA/Notifications/2019/68 dated 08.08.2019 placed at **ANNEXURE-XII**.

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.11.TO RATIFY THE MINUTES OF MEETING OF BOARD OF STUDIES IN AGRICULTURE SCIENCES HELD ON 20.08.2019.

The minutes of meeting of Agriculture Sciences held on 20.08.2019 and the same was approved vide no. VC/770 dated 22.08.2019 placed at **ANNEXURE-XIII**. The major decision taken in the meeting are given below:

- a) The ongoing students (admitted upto 2018) should be awarded with the degree as B.Sc. Agriculture (Hons.)
- b) The students admitted in 2019 and onwards should be awarded with B.Sc. (Hons.) Agriculture

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.12.TO RATIFY ACADEMIC CALENDARS— 2020 NOTIFIED FROM TIME TO TIME.

In the light of COVID-19 Pandemic, Academic Calendars of MRSPTU were revised from time to time as per the directions of UGC/AICTE and were put in force after taking approval from Hon'ble Vice Chancellor (ANNEXUREXIV).

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.13.RATIFICATION OF ADDITION / REDUCTION IN SANCTIONED INTAKE AND CLOSURE OF COURSES W.E.F. SESSION 2020-21.

Proposal to increase/reduce sanctioned intake and closure of courses as received from various departments and was approved by the Hon'ble Vice Chancellor vide no. 779 dated 04.03.2020 (**ANNEXURE-XV**).

Summarized details are as follows:

S.	Name of	Name of Course	Intake	Proposed	Remarks
N.	College			Intake	
	_			2020-21	
1.	University	• M.Sc. (Mathematics	18	0	Closure
	Main	& Computing			
	Campus	• M. Tech. (Computer	18	0	Closure
		Application)			Closure
		• Bachelor's in	30	0	
		interior design			
		• B. Tech.	30	0	Closure
		Mechatronics			
2.	GZSCCET,	B. Tech. (Mech.	120	90	Decrease in
	Bathinda	Engg.)			intake
3.	PIT,	 Skill Certificate 	30 seats	0	Closure
	Nandgarh	course in Welding	each		
		 Skill certificate 			
		course in Computer			
		hardware and			
		networking			
		• PGDCA			

5.	PIT, GTB	B. Tech. (Civil	60 seats	0	Closure
	Garh, Moga	Engg.)	each		
	_	• B. Tech. (Mech.			
		Engg)			
6.	PIT, GTB	• B. Tech. (Electrical	60 seats	30 seats	Decrease in
	Garh, Moga	Engg.)	each	each	intake
		• B. Tech. (CSE)			
7.	PIT,	BCA	90	120	Increase in
	Rajpura				intake
8.	PSAEC,	B. Tech. (Aerospace	60	30	Decrease in
	Patiala	Engg.)			intake
9.	PIT,	Skill certificate	30	0	Closure
	Arniwala	in food			
		processing			

The Item is placed before the Academic Council for ratification.

ITEM NO. 04.14. TO RATIFY NEW PROGRAMME IN DIFFERENT DEPARTMENTS/ CONSTITUENT COLLEGES/ UNIVERSITY MAIN CAMPUS W.E.F. ACADMIC SESSION 2020-21 ONWARDS.

Proposal regarding start of new courses along with sanctioned intake as received from various departments and was approved by Hon'ble Vice Chancellor vide no. 779 dated 04.03.2020 (ANNEXURE-XVI).

Summarized details are as follows:

S.	College	Course Name	Duration	Proposed
N.	Name/		of	Intake
	Deptt.		Program	
			me	
1.	University	BBA-MBA Integrated	3 Yrs.	30 seats
	Main			
	Campus			
2.	University	MBA (Business Analytics)	2 Yrs.	New
	Main			specialization
	Campus			(in existing
				MBA course)
3.	PIT	B.Sc. (Non-Medical)	3 Yrs.	30 Seats
	Nandgarh			
4.	PSAEC,	BBA (Aviation Mgt.)	3 Yrs.	60 Seats
	Patiala			

The Item is placed before the Academic Council for ratification.

ITEM NO. 04.15. RATIFICATION OF THE START OF NEW PROGRAMME IN AFFILIATED COLLEGES W.E.F. ACADMIC SESSION 2020-21 ONWARDS.

The proposal regarding start of new courses along with sanctioned intake was received from Director (CDC) vide no. 1328 dt. 23.06.2020 & no. 1735 dt. 14.08.2020 in new affiliated college for session 2020-21 onwards (ANNEXURE-XVII).

S.	College	Course Name	Duration of	Proposed
N.	Name/		Programme	Intake
	Deptt.			
1.	Dolphin	1. B. Sc. (Operation	3 Yrs.	60
	PG	Theater Technology)		
	College	2. B. Sc. (Radio Medical	3 Yrs.	60
		Imaging Technology)		
		3. B. Sc. (Optometry)	4 Yrs.	30

The Item is placed before the Academic Council for ratification.

ITEM NO. 04.16. TO START BCA-MCA DUAL DEGREE LEET IN UNIVERSITY MAIN CAMPUS W.E.F. ACADEMIC SESSION 2019-20 ONWARDS.

The proposal regarding start of BCA-MCA DUAL DEGREE LEET in University Main Campus w.e.f. Academic Session 2019-20 onwards was received from Chairperson BoS/Head, Department of Computational Sciences and was approved by the competent authority vide no. VC/597 dated 11.07.2019 (ANNEXURE-XVIII). The intake shall be as per university norms.

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.17. TO RATIFY THE AMENDMENT IN THE CHOICE BASED CREDIT SYSTEM - 2016.

The modifications in the Choice Based Credit System–2016 were made as under:

'The university started the Choice based credit system (CBCS) in 2016 and followed the relative grading system for the 2016 to 2018 batch students. The University will follow the CBCS with absolute grading system for 2019 batch onwards. The previous batches shall continue to be governed by the rules & regulation of CBCS with relative grading system. The same was approved vide VC/1026 dated 05.11.2019 and notified vide CoE/MRSPTU/9891 dated 14.11.2019 (ANNEXURE-XIX).

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.18. TO INFORM REGARDING SHIFTING OF B.TECH. (EEE) STUDENTS FROM KINGS GROUPS OF INSTITUTES TO GZSCCET, BATHINDA.

Due to closure of Kings Group of Institutions, Near Bus Stand, Barnala, PIN-148101 (Pb.), all the students of B. Tech.—Electrical & Electronics Engineering/ Electronics & Electrical Engineering of the above said institution were shifted to MRSPTU, as the above said course is not offered by any of the affiliated/constituent colleges of the University. It was done in the larger interest of students and academics and in the larger public interest.

As per Director (CDC) letter no. 2529 dated 12.07.2019, Department of Electronics & Communication Engg., GZSCCET, Dabwali Road, Bathinda was authorized to conduct the classes of the above said students in coordination with Department of Electrical Engg., GZSCCET, Dabwali Road, Bathinda after the approval of Competent authority dt. 09.07.2019 (ANNEXURE-XX).

The Item is placed before the Academic Council for information please.

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ITEM NO. 04.19. TO RATIFY ADDITION OF SUPERNUMERARY SEATS IN B.PHARMACY LATERAL ENTRY AND TUITION FEE WAIVER AS PER PCI NOTIFICATION Ref. No. 14-48/2012-PCI/4473 dt. 30.09,2020.

As per PCI Notification ref. No. 14-48/2012-pci/4473 dt. 30.09.2020 and approval granted vide no. VC/2063 dated 09.10.2020 and VC/2177 dated 06.11.2020, supernumerary seats in B. Pharmacy TFW and B. Pharmacy lateral entry were added for admission in session 2020-21 (ANNEXURE-XXI).

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.20.TO RATIFY UNDER-GRADUATE& POST-GRADUATE SCHEME AND SYLLABI

a) Scheme and syllabi of following courses were proposed by respective Board of Studies and the same were got approved by concerned Deans of Faculties (Minutes of Meetings placed at ANNEXURE-XLVI, XLVII, XLVIII).

Minutes of	f Meetings placed at ANNEXURE-XLVI, XLVII, XLVIII).
S.No.	ITEM
1.	Syllabus of B. Tech. (Aeronautical Engg.) 5 th –6 th Sem. for Batch 2K18 onwards
2.	Scheme &Syllabus of B. Tech. (Civil Engg.) 5 th Semester for Batch 2K18 onwards
3.	Scheme of B. Tech. (Civil Engg.) 6 th – 8 th Sem. for Batch 2K18 onwards
4.	Scheme & Syllabus of B. Tech. (Civil Engg.) 3 rd Sem. 2K19 Batch onwards
5.	Scheme of B. Tech. (Civil Engg.) 4 th – 8 th Sem. Batch 2K19 onwards
6.	Scheme & Syllabus of B. Tech. (Computer Science & Engg.) 5 th – 8 th Sem. for Batch 2K18 onwards
7.	Scheme & Syllabus of B. Tech. (Electrical Engg.) 5 th –8 th Sem. for Batch 2K18 onwards
8.	Scheme & Syllabus of B. Tech. (Electronics & Communication Engg.) 5 th &6 th Sem. for 2K18 Batch onwards
9.	Scheme of B. Tech. (Electronics & Communication Engg.) 7 th – 8 th Sem. for Batch 2K18 onwards
10.	Scheme & Syllabus of B. Tech. (Information Technology) 5 th –8 th Sem. for Batch 2K18 onwards
11.	Scheme & Syllabus of B. Tech. (Mechanical Engg.) 5 th Sem. for Batch 2K18 onwards
12.	Scheme & Syllabus of B. Tech. (Textile Engg.) 5 th –8 th Sem. for Batch 2K18 onwards
13.	Scheme &Syllabus of B. Tech. with Minor Degree in (Civil Engg.) for Batch 2K19 onwards
14.	Scheme &Syllabus of B. Tech. with Minor Degree in (Computer Science & Engg.) for Batch 2K19 onwards
15.	Scheme &Syllabus B. Tech. with Minor Degree in (Electrical Engg.) for Batch 2K19 onwards

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16.	Scheme & Syllabus BTech with Minor Degree in (Electronics & Communication Engg.) for Batch 2K19 onwards
17	
17.	Scheme &Syllabus of B. Tech. with Minor Degree in (Mechanical Engg.) for Batch 2K19 onwards
18.	Scheme &Syllabus of B. Tech. with Minor Degree in (Textile
16.	•
10	Engg.) for Batch 2K19 onwards
19.	Scheme of B. Tech with Honors Degree in (Civil Engg.) for Batch
	2K19 onwards
20.	Scheme & Syllabus of B. Tech. with Honors Degree in (Computer
	Science& Engg.) for Batch 2K18 onwards
21.	Scheme & Syllabus of B. Tech. with Honors Degree in
	(Electronics & Communication Engg.) for Batch 2K18 onwards
22.	Scheme & Syllabus of B. Tech. with Honors Degree in
	(Mechanical Engg.) for Batch 2K18 onwards
23.	Scheme & Syllabus of B. Tech. with Honors Degree in (Textile
	Engg.) for Batch 2K18 onwards
24.	Revised Scheme and Syllabus of B. Sc. (Hons.) Physics 1 st –
	6 th Sem. 2019 Batch onwards
25.	Revised Scheme and Syllabus of B. Sc. (Hons.) Chemistry 1 st –
	6 th Sem. 2019 Batch onwards
26.	Scheme and Syllabus of M. Sc. Chemistry 1 st – 4 th Sem. 2020
27	Batch onwards Sollabora of B. So. (Horse) Mathematics 5th. (ths. or 2018 Batch
27.	Syllabus of B. Sc. (Hons.) Mathematics 5 th – 6 th Sem. 2018 Batch onwards
28.	Scheme of B. Sc. (Hons.) Mathematics 1 st – 6 th Sem. 2019 Batch
	onwards
29.	Syllabus of B. Sc. (Hons.) Mathematics 1 st – 4 th Sem. 2019 Batch
	onwards
30.	Scheme and Syllabus of M. Sc. Mathematics 1 st – 4 th Sem. 2019
	Batch onwards
31.	Scheme and Syllabus of B. Sc. (Food Technology)/ B.F.S.T.
22	(Hons.) 3 rd – 4 th Sem. 2019 Batch onwards
32.	Scheme and Syllabus of MCA 1 st – 4 th Sem. 2020 Batch onwards
33.	Scheme and Syllabus of B. Sc. (Hons.) Aircraft Maintenance Engg. 1 st – 6 th Sem. 2020 Batch onwards
34.	Scheme and Syllabus of B. Sc. (Hons.) Agriculture $1^{st} - 2^{nd}$ Sem.
31.	2019 Batch onwards
35.	Scheme and Syllabus of MBA 1 st – 2 nd Sem. 2020 Batch onwards
36.	Scheme and Syllabus of BBA (Aviation Mgt.) 1 st – 2 nd Sem. 2020
	Batch onwards
37.	Scheme and Syllabus of BBA-MBA Integrated 1st - 2nd Sem.
	2020 Batch onwards
38.	Scheme and Syllabus of MBA 3 rd Sem. 2019 Batch
39.	Scheme and Syllabus of PhD Course Work 2020 Batch onwards
40.	Syllabi of Humanities, Social Science and Management subjects

b) Scheme & syllabi of following courses were proposed by respective Board of Studies are put up for approval at **ANNEXURE-XXII.**

TABLE-I		
S.N.	ITEM	PAGE
		NO. 1-4
1.	Syllabus of Bachelor of Management Studies (Airline,	1-4
	Tourism & Hospitality) 5 th Sem. 2017 Batch onwards.	
2.	Scheme and syllabus of M. Planning 1 st – 4 th Sem. 2019 Batch	5-56
	onwards.	
3.	Scheme and syllabus of B.Sc. Optometry $1^{st} - 2^{nd}$ Sem. 2020	57-77
	Batch onwards.	
4.	Scheme and syllabus of B.Sc. Radio Medical Imaging	78-99
	Technology 1 st – 2 nd Sem. 2020 Batch onwards.	
5.	Scheme and syllabus of B.Sc. Operation Theatre Technology	100-
	1 st – 2 nd Sem. 2020 Batch onwards.	121
6.	Scheme and syllabus of B.Tech. Mechanical Engg. 6 th Sem.	122-
	2018 Batch onwards.	143
7.	Syllabus of B.Tech. Civil Engg. 4 th Sem. 2019 Batch onwards.	144-
		158
8.	Syllabus of B. Tech. Civil Engg. 6 th Sem. 2018 Batch onwards.	159-
		179
9.	Scheme and syllabus of Pre-Ph.D. Chemistry course	180-
		187
10.	Modified List of UG Open Electives offered by Deptt. of CSE.	188-
	(ref. Item No. 3.04 Minutes of Meeting of 3 rd Faculty of Engg.	194
	& Tech. held on 29.09.2020)	
11.	Revised Scheme and Syllabus of B.Tech. with Hons. Degree in	195-
	CSE.	213
	(ref. Item No. 3.03 Minutes of Meeting of 3 rd Faculty of Engg.	
	& Tech. held on 29.09.2020)	
12.	MRSPTU UG Open Elective Syllabus offered by Deptt. of	214-
	Civil Engg. w.e.f. January 2021 onwards	219

The item is placed before the Academic Council for ratification.

ITEM NO. 04.21.TO INFORM MRSPTU REGULATIONS FOR MINOR ENGINEERING WITH UG DEGREE IN ENGINEERING – 2020

As per AICTE Model Curriculum 2018 adopted by MRSPTU, Bathinda, Guidelines for starting B.Tech. Minor Engg. concurrently with UG degree in Engg. programme were prepared and notified vide notification no. DAA/MRSPTU/2020/Notification/71/408 dated 29.01.2020 after the approval of Board of Governors in its 9th meeting held on 10.12.2019 vide item No 9.10 (point 12) placed at **ANNEXURE-XXIII.**

The Item is placed before the Academic Council for information please.

ITEM NO. 04.22 TO INFORM MRSPTU REGULATIONS FOR B.TECH. HONORS-2020

As per AICTE Model Curriculum 2018 adopted by MRSPTU, Bathinda, Guidelines for starting B. Tech. with Honors–2020 concurrently with UG degree in Engg. programme were prepared and notified vide notification no. DAA/Notifications/2020/72/778 dated 04.03.2020 after the approval of Board of Governors in its 9th meeting held on 10.12.2019 vide item No 9.10 (point 12) placed at **ANNEXURE-XXIV.**

The Item is placed before the Academic Council for information please.

ITEM NO. 04.23 TO RATIFY OF THE COURSE CODES OF THE VARIOUS COURSES OFFERED BY MRSPTU

Programme codes are assigned to various programmes/ courses offered at MRSPTU from time to time as per the approved MoM of 1st Academic Council held on 11.03.20216 vide Item No. 01.20 under course codes **ANNEXURE-XXV**. List of all such courses is placed at **ANNEXURE-XXVI**.

The Item is placed before the Academic Council for ratification

ITEM NO. 04.24 TO INFORM ABOUT ADMISSIONS 2019-20 SESSION.

MRSPTU Admissions for the session 2019-20 were carried out as per the procedure notified by University and after verification of the admissions, University roll numbers were issued to 4072 students against sanctioned intake 12585. Details of approved admissions vide no. VC/1158 dated 17.12.2019are placed at **ANNEXURE-XXVII.**

The Item is placed before the Academic Council to note please.

ITEM NO. 04.25 TO INFORM ABOUT ADMISSIONS 2020-21 SESSION.

MRSPTU Admissions for the session 2020-21 were carried out as per the procedure notified by University and after verification of the admissions, University roll numbers were issued to 3570 students against sanctioned intake 11143. Details of approved admissions vide no. VC/202 dated 31.03.2021 are placed at **ANNEXURE-XXVIII.**

The Item is placed before the Academic Council to note please.

ITEM NO. 04.26 TO DISCUSS REGARDING CONVERSION OF BMS(HMCT) 3-YRS NON-AICTE COURSE TO BMS(HMCT) 4-YRS COURSE AS REQUESTED BY SVCMT, NEAR BANUR

A request has been received from the Swami Vivekanand College of Management & Technology regarding conversion of 3 Year BMS (HMCT) Non-AICTE course into 4Year BMS (HMCT) Non-AICTE.

The matter was sent to the HOD UBS, MRSPTU for comments. As per comments sought from the HOD UBS, 4 Year BHMCT course is AICTE Programme whereas 3 Year BMS (HMCT) is Non-AICTE course.

So, it is recommended to continue with the same till the matter is decided in the Academic Council to convert 3 Years Non-AICTE course to 4-Yrs course vide dt. 12.03.2020. The same was approved by Hon'ble Vice Chancellor. (ANNEXURE-XXIX).

The Item is placed before the Academic Council for discussion.

ITEM NO. 04.27 TO RATIFY ABOUT PG THESIS AND ATTENDANCE RELATED GUIDELINES DURING COVID-19

In line with UGC directions vide D.O.No.F.1-1/2020(secy) dt 29.4.2020 on the subject UGC Guidelines on "Examination and Academic calendar for the Universities in view of COVID-19 Pandemic and subsequent lockdown", guidelines regarding attendance requirement of registered students during Jan-July 2020 session and guidelines for submission of PG Thesis were notified vide no. DAA/MRSPTU/Notifications/96 dt. 13.07.2020 and DAA/MRSPTU/Notifications/109 dt. 03.02.2021 after the approval vide no. VC/1689 dt. 13.07.2020 & VC/84 dt. 03.02.2021 respectively (ANNEXURE-XXX).

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.28 TO RATIFY THE GUIDELINES REGARDING GRADING OF STUDENTS OF INTERMEDIATE SEMESTERS IN THEORY SUBJECTS IN VIEW OF COVID-19 PANDEMICS

In line with UGC directions vide D.O.No.F.1-1/2020(secy) dt 29.4.2020 and 06.07.2020 & subsequently Govt. of Punjab Technical Education & Industrial Training memo no.10/20/2020-4TE2/1047 dated 18.08.2020, guidelines/modalities regarding grading of students of intermediate semester in theory subject for the semester Jan-June 2020 only in the view of COVID-19 Pandemic were framed & notified vide no. MRSPTU/CoE/10999 dt. 11.08.2020 by the O/o CoE, MRSPTU (ANNEXURE-XXXI).

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.29 TO APPROVE THE ESTABLISHMENT OF IELTS CENTRE (PREPARE FOR SUCCESS) FOR THE SUCCESS OF GRADUATE STUDENTS OF BCA & B-TECH.

The proposal as received from O/o Hon'ble Vice Chancellor vide no. VC/1737 dt. 23.07.2020 regarding establishment of IELTS center at the MRSPTU to enhance the language proficiency of the students enrolled with MRSPTU is attached (ANNEXURE-XXXII).

The Item is placed before the Academic Council for approval please.

ITEM NO. 04.30 TO RATIFY THE ELIGIBILITY FOR ADMISSION IN VARIOUS COURSES

Eligibility criteria for admission in various courses as recommended by the committee constituted for the purpose approved vide VC/1605 dated 24.06.2020 is placed herewith **ANNEXURE-XXXIII**.

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.31 DECISION ON A REQUEST TO RESTORE SIX MONTH INDUSTRIAL TRAINING FOR B. TECH 2017 BATCH

Six month Industrial Training practices was discontinued w.e.f. 2K16 Batch B.Tech. scheme. Further it is also not recommended in AICTE Model Curriculum 2018 (copy attached as **ANNEXURE-XXXIV**). However, request has been received to restore the practice in AICTE Model Curriculum (**ANNEXURE-XXXV**).

The Item is placed before the Academic Council for deliberation and decision please.

ITEM NO. 04.32 TO RATIFY LATERAL ENTRY ADMISSIONS FOR NON-AICTE/UGC COURSES

As per previous practices, the seats for Lateral Entry admissions were allowed to be filled as 20% of approved/sanctioned intake + vacant seats of the 1st year on the pattern of Lateral Entry admissions to AICTE courses. However, from session 2019-20 AICTE has permitted 10% of approved/sanctioned intake + vacant seats of the 1st year for lateral entry admissions. The same was implemented by the University for the Non-AICTE courses also since session 2019-20 onwards after taking approval vide no. VC/458 dated 04.06.2019 for the following courses (ANNEXURE-XXXVI)

- 1. BCA (Lateral Entry)
- 2. B. Sc. Fashion Technology (Lateral Entry)
- 3. B. Sc. MLS (Lateral Entry)
- 4. B. Sc. Information Technology (Lateral Entry)
- 5. B. Sc. (Hons.) Agriculture (Lateral Entry)

The Item is placed before the Academic Council for ratification please.

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ITEM NO. 04.33 APPROVAL TO START LATERAL ENTRY ADMISSIONS TO NEWLY STARTED COURSES IN DOLPHIN PG COLLEGE FOR 2021-22 SESSION.

A request has been received from Dolphin PG College, Chunni Kalan, Fatehgarh Sahib vide no. DPGC-21-09 B dated 01.03.2021 to make Lateral Entry admissions to following courses in 2021-22 session. The same was approved vide no. VC/1605 dated 24.06.2020 (ANNEXURE-XXXIII)

- (i) B.Sc. Operation Theatre Technology
- (ii) B.Sc. Optometry
- (iii) B.Sc. Radio Medical Imaging Technology

Chairperson BoS (Pharmacy) in consultation with Dean Faculty of Pharmacy has recommended to start the same (ANNEXURE-XXXVII).

The Item is placed before the Academic Council for deliberation and approval please.

ITEM NO. 04.34 TO ALLOW CREDIT TRANSFER TO STUDENTS TO THE EXTENT OF 20% IN EVERY SEMESTER FOR ONLINE COURSES PROVIDED THROUGH SWAYAM MOOCS PLATFORM-REGARDING

In line with UGC directions vide D.O.No.F.1-8/2017 (SWAYAM Board) dt 27.2.2020 regarding to allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM / MOOCS platform (ANNEXURE-XXXVIII).

The Item is placed before the Academic Council for deliberation and approval please.

ITEM NO. 04.35 TO RATIFY THE CHANGE IN NOMENCLATURE FROMB.TECH. AEROSPACE ENGINEERING (AVIONICS) TO B.TECH. AEROSPACE ENGINEERING.

The request to start a course in B.Tech. Aerospace Engineering (Avionics) was received from PSAEC, Patiala vide email 03.06.2019 (ANNEXURE-XXXIX) and approved vide item no. 3.30 of MoM of 3rd Standing Committee for Academic Council.

Now, request to re-change the nomenclature from B.Tech. Aerospace Engineering (Avionics) to B.Tech. Aerospace Engineering has been received from PSAEC, Patiala through email on 18.12.2020 with ref. to 4th MoM of BoS Aeronautical Engineering and the same was approved by the competent authority vide no. VC/153 dt. 09.03.2021 subjected to the ratification in Academic Council (**ANNEXURE-XL**).

The Item is placed before the Academic Council for ratification please.

ITEM NO. 04.36 INCORPORATION OF "UNIVERSAL HUMAN VALUES 2: UNDERSTANDING HARMONY" AS A MANDATORY COURSE FOR ALL UNDERGRADUATE STUDENTS FROM ACADEMIC YEAR 2020-21.

AICTE has introduced Mandatory course "Universal Human Values 2: Understanding Harmony" with subject Code "HSMC (H-102) which needs to be offered to all the undergraduate students from the category of Humanities & Social Science Course of 3 credits. This is to be offered in 3rd/4th Semester replacing Non-Credit course "Human Values & Professional Ethics" with code BHUM0-103 which is currently running in First year. As per the addendum released by AICTE (ANNEXURE-XLI), these 3 credits may be over and above framework of nearly 160 credits. This course has to be taken as augmentation of the exposure given to students as part of Universal Human Values 1 (UHV 1) which is delivered during Mandatory 21-days Student Induction Programme. The details syllabus of UHV-2 is attached. Accordingly, it is proposed that 3 credit course on "Universal Human Values 2: Understanding Harmony" with subject Code "HSMC (H-102) be taught to all B. Tech. level students from 2020-21 onwards (ANNEXURE-XLII).

The Item is placed before the Academic Council for deliberation and decision please.

ITEM NO. 04.37 TO RATIFY THE MINUTES OF MEETING REGADING EXAMINATION RELATED ISSUES DUE TO COVID 19.

Due to directions of Punjab Govt. regarding COVID-19, a meeting held regarding issues related to Examinations of 2k20 Batch (UG & PG) were discussed and MoM of the same were approved by the competent authority vide no. VC/183 dt. 20.03.2021(ANNEXURE-XLIII).

The Item is placed before the Academic Council for ratification

ITEM NO. 04.38 TO APPROVE THE NOTICES/ CIRCULARS / OFFICE ORDERS ISSUED REGARDING THE VARIOUS ISSUES OF ACADEMIC / EXAMINATION / ADMISSION ARISING OUT DUE TO COVID-19 SITUATION FROM TIME TO TIME FOR THE MAIN CAMPUS/ CONSTITUENT/ PITS/ AFFILIATED COLLEGES OF MRSPTU, & DEAN (ACADEMIC) MRSPTU AS NODAL OFFICER, COVID ACADEMIC MANAGEMENT OF THE UNIVERSITY

To handle and address various academic/examination/admission related issues arising out of the COVID-19 pandemic situation, Notices/ Circulars/ Office Orders were issued by Dean (Academic affairs) (ANNEXURE-XLIV) after due approval from Hon'ble Vice Chancellor from time to time (ANNEXURE-XLV)

The Item is placed before the Academic Council for approval please.

ITEM NO. 04.39 TO APPROVE THE MINUTES OF 3rdMEETING OF FACULTY OF ENGG. & TECHNOLOGY HELD ON 29.09.2020

The approved minutes of 3rdMeeting of Faculty of Engg. & Technology held on 29.09.2020 are attached herewith **ANNEXURE-XLVI**.

The Item is placed before the Academic Council for approval please.

ITEM NO. 04.40 TO APPROVE THE MINUTES OF 3rdMEETING OF FACULTY OF SCIENCES HELD ON 09.10.20

The approved minutes of 3rdMeeting of Faculty of Sciences held on 09.10.2020 are attached herewith **ANNEXURE-XLVII**.

The Item is placed before the Academic Council for approval please.

ITEM NO. 04.41 TO APPROVE THE MINUTES OF 2ndMEETING OF FACULTY OF COMMERCE & MANAGEMENT HELD ON 11.09.20

The approved minutes of 2ndMeeting of Faculty of Commerce & Management held on 11.09.2020 are attached herewith **ANNEXURE-XLVIII**.

The Item is placed before the Academic Council for approval please.

ITEM NO. 04.42 OTHER ITEMS

- i. A proposal has been received from Director CDC dated 07.01.2021 through Registrar MRSPTU, regarding a certificate may be awarded upon exit after the completion of the 1st year in a specific course. Likewise, a student may be awarded a diploma upon exit after 2nd year and after the 3rd year degree is awarded (ANNEXURE-XLIX).
- ii. A request has been received from PSAEC, Patiala vide no. PSAEC/942 dated 01.03.2021 regarding option of conducting of BBA (Aviation Management) and BMS (Airlines, Tourism & Hospitality) semester examination in Punjabi along with English (ANNEXURE-L).
- iii. As per the request received from Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib vide no. BBSBEC/Admn/1190 dated 13.01.2021, regarding change in nomenclature of B.Tech. (Agriculture Engineering) to B.Tech. (Agricultural Engineering) that is being followed by Punjab Agricultural University (PAU), Ludhiana and Indian Council of Agricultural Research (ICAR), New Delhi (ANNEXURE-LI).
- iv. To deliberate admitting a candidate in B.Tech. LEET who has already completed his/her B.Tech. degree of other stream as per the requests received from the Affiliated Colleges of MRSPTU (ANNEXURE-LII).
- v. In reference to AICTE circular vide no. AICTE/P&AP/NCC-GE/Circular/2021/ dt. 26.04.2021 and request received from incharge NCC Wing to deliberate Incorporation of "NCC as one of the 'Open Elective Credit Course' for various programmes running under MRSPTU Bathinda (ANNEXURE-LIII).