

Sub: Minutes of the meeting regarding finalization of modalities to establish Punjab State Aeronautical Engineering College, Patiala as a constituent College of MRSPTU, Bathinda.

A meeting to discuss the arrangement for Punjab State Aeronautical Engineering College, Patiala as a constituent college of Maharaja Ranjit Singh Punjab Technical University, Bathinda was held on **09.01.2018 at 3:00pm** in the office of Hon'ble Vice Chancellor of the University. The following were present:

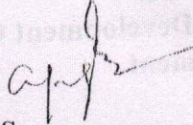
1. **Sh. APS Virk IAS CEO, Punjab State Civil Aviation Council, Patiala**
2. **Prof (Dr.) J.S.Hundal, Registrar**
3. **Prof (Dr.) Gursharan Singh, Dean Academic Affairs**
4. **Prof (Dr.) Ashok Kumar Goel, Director, College Development Council**
5. **Dr. Buta Singh Sidhu, Dean Planning & Development**
6. **Sh. Subhas Chander Bansal, Finance Officer**
7. **Sh. Rajeev Bagga, Admin Officer, PSCAC, Patiala.**

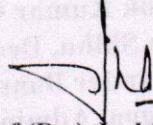
The following points were discussed and decisions taken:

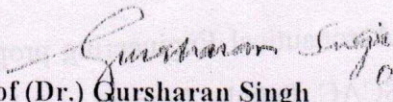
1. The curriculum for Degree Level Programme in Aeronautical Engineering proposed to be run in PSAEC, Patiala was submitted by CEO, PSCAC, Patiala. In view of it being NSQF compliant, the same would be put up before the Standing Committee of Academic Council for approval to start the course from the academic session 2018-19.
2. The draft arrangement for running PSAEC as a constituent college of the University was put up by Sh. A.P.S.Virk, CEO of Punjab State Civil Aviation Council which was agreed to in principle. A committee was constituted comprising the following to look into the proposed arrangement and submit a detailed proposal of arrangement to run PSAEC taking into consideration the interest of all stakeholders.
 - (i) Registrar, MRSPTU, Bathinda.
 - (ii) Dean, Academic Affairs, MRSPTU, Bathinda.
 - (iii) Dean, Planning & Development, MRSPTU, Bathinda
 - (iv) Director, College Development Council, MRSPTU, Bathinda
 - (v) Sh. Subhash Chander Bansal, Finance Officer, Bathinda
4. It was agreed that a local Board of Management shall be constituted for PSAEC which may have adequate representation of the University for managing the institution. The major issues taken by the Board of Management of PSAEC shall be put up to the Board of Governors of the University for ratification.
5. The Board of Management of PSAEC shall be suitably represented in the Finance Committee and the Board of Governors of the University as special invitees. The exact

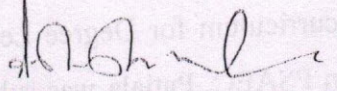
linkage shall be worked out by the Committee proposed at Sr. No. 2 in coordination with PSCAC, Patiala. CEO of PSCAC, Patiala shall be the special invitee of the Board of Governors of the University. There shall be representatives of Civil Aviation Industry in Board of Studies for discussion on the detailed curriculum of the courses in PSAEC, Patiala.

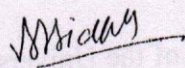
6. A detailed proposal regarding finalization of modalities to establish Punjab State Aeronautical Engineering College, Patiala as a constituent College of MRSPTU, Bathinda drafted by the committee comprised at Sr. No. 2 shall be discussed and finalized with the CEO, PSCAC in the meeting to be held on 16.01.2018.

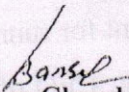

APS Virk, IAS
CEO, PSCAC

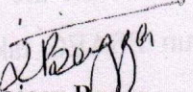

09/01/2018
Prof (Dr.) Jasbir S. Hundal
Registrar, MRSPTU



09/01/18
Prof (Dr.) Gursharan Singh
Dean Academic Affairs, MRSPTU


Prof (Dr.) Ashok Kumar Goel
Director,
College Development Council, MRSPTU


Dr. Buta Singh Sidhu
Dean Planning & Development, MRSPTU


Subhas Chander Bansal
Finance Officer, MRSPTU


Rajeev Bagga
Admin Officer, PSCAC


(MRSPTU)
Vice Chancellor
Maharaja Ranjit Singh
Punjab Technical University
Bathinda (Pb.)

FIRST SEMESTER		Contact Hrs			Marks			Credits
Subject Code	Subject Name	L	T	P	Int	Ext	Total	
C2	Aerodynamics	4	0	0	40	60	100	4
CP2	Aerodynamics Lab.	0	0	4	60	40	100	2
DSE5	Aviation Legislation	5	1	0	40	60	100	6
AE1	English Communication	4	0	0	40	60	100	4
GE1	Mathematics	5	1	0	40	60	100	6
GE4	Corrosion and NDI Techniques	4	0	0	40	60	100	4
GEP4	Corrosion and NDI Techniques Lab.	0	0	4	60	40	100	2
		22	2	8	320	380	700	28

SECOND SEMESTER		Contact Hrs			Marks			Credits
Subject Code	Subject Name	L	T	P	Int	Ext	Total	
C3	Electrical Fundamentals-I	4	0	0	40	60	100	4
CP3	Electrical Fundamentals-I Lab.	0	0	4	60	40	100	2
DSE3	Human Factors	5	1	0	40	60	100	6
AE2	Environmental Science	4	0	0	40	60	100	4
GE2	Physics	4	0	0	40	60	100	4
GEP2	Physics Lab.	0	0	4	60	40	100	2
GE6	Quality Management System	5	1	0	40	60	100	6
		22	2	8	320	380	700	28

THIRD SEMESTER		Contact Hrs			Marks			Credits
Subject Code	Subject Name	L	T	P	Int	Ext	Total	
C6	Electrical Fundamentals II	4	0	0	40	60	100	4
CP6	Electrical Fundamentals II Lab	0	0	4	60	40	100	2

C7	Gas Turbine Engine	4	0	0	40	60	100	4
CP7	Gas Turbine Engine Lab	0	0	4	60	40	100	2
C10	Aircraft Systems 1	4	0	0	40	60	100	4
CP10	Aircraft Systems 1 Lab	0	0	4	60	40	100	2
DSE1	Piston Engines and Propellers	4	0	0	40	60	100	4
DSEP1	Piston Engines and Propellers LAB	0	0	4	60	40	100	2
		16	0	16	400	400	800	24

FORTH SEMESTER		Contact Hrs			Marks			Credits
Subject Code	Subject Name	L	T	P	Int	Ext	Total	
C4	Electronic Fundamentals And Digital Techniques I	4	0	0	40	60	100	4
CP4	Electronic Fundamentals And Digital Techniques I Lab	0	0	4	60	40	100	2
C5	Aircraft Materials And Hardware	4	0	0	40	60	100	4
CP5	Aircraft Materials And Hardware LAB	0	0	4	60	40	100	2
C9	Aircraft Maintenance Practices	4	0	0	40	60	100	4
CP9	Aircraft Maintenance Practices Lab	0	0	4	60	40	100	2
C13	Avionics	4	0	0	40	60	100	4
CP13	Avionics Lab	0	0	4	60	40	100	2
		16	0	16	400	400	800	24

FIFTH SEMESTER		Contact Hrs			Marks			Credits
Subject Code	Subject Name	L	T	P	Int	Ext	Total	
C1	Aircraft Structure And Associated Systems	4	0	0	40	60	100	4
CP1	Aircraft Structure And Associated Systems Lab	0	0	4	60	40	100	2
C8	Electronic Fundamentals and Digital Techniques II	4	0	0	40	60	100	4
CP8	Electronic Fundamentals and Digital Techniques II Lab	0	0	4	60	40	100	2
C11	Workshop Practices	4	0	0	40	60	100	4
CP11	Workshop Practices Lab.	0	0	4	60	40	100	2
C12	Aircraft System-II	4	0	0	40	60	100	4
CP12	Aircraft System-II Lab.	0	0	4	60	40	100	2
		16	0	16	400	400	800	24

SIXTH SEMESTER		Contact Hrs			Marks			Credits
Subject Code	Subject Name	L	T	P	Int	Ext	Total	
C14	Ground Handling, Safety And Support System	4	0	0	40	60	100	4
CP14	Ground Handling, Safety And Support System Lab.	0	0	4	60	40	100	2
DSED7.1	Approval of Maintenance Organization	4	0	0	40	60	100	4
DSEDP7.1	Approval of Maintenance Organization LAB	0	0	4	60	40	100	2
AEEC1	Typical Aircraft Maintenance - Fixed Wing Heavy / Complex Aircraft	4	0	0	40	60	100	4
AEECP1	Typical Aircraft Maintenance - Fixed Wing Heavy / Complex Aircraft LAB	0	0	4	60	40	100	2
AEEC2	Typical Aircraft Maintenance - Fixed Wing Light / Composite Aircraft	4	0	0	40	60	100	4
AEECP2	Typical Aircraft Maintenance - Fixed Wing Light / Composite Aircraft LAB	0	0	4	60	40	100	2
		16	0	16	400	400	800	24

Overall

SEMESTER	MARKS	CREDITS
FIRST	700	28
SECOND	700	28
THIRD	800	24
FORTH	800	24
FIFTH	800	24
SIXTH	800	24
TOTAL	4600	152



Maharaja Ranjit Singh Punjab Technical University

BADAL ROAD, BATHINDA-151001

[Established by Govt. of Punjab vide Act No. 5 of 2015, UGC Act 2(f)]

DEAN ACADEMIC AFFAIRS

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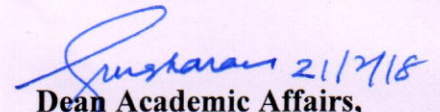
Date: 21-02-2018

Ref. No.: DAA/MRSPTU/2018/1437

MHRD has launched 32 Direct to Home (DTH) educational TV channels called 'Swayam Prabha' broadcasting educational content 24x7 basis and the content developed under Swayam Prabha would be used for transmission in Swayam Prabha DTH channels.

The following departments have installed the above said dish.

1. Architecture Engineering
2. Pharmacy
3. Civil Engineering
4. Electrical Engineering
5. Textile Engineering
6. ECE
7. Applied Physics
8. Humanities & Management
9. Computer Science & Engineering
10. Mechanical Engineering
11. Applied Chemistry


Dean Academic Affairs,
MRSPTU, Bathinda



MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY

DABWALI ROAD, BATHINDA-151001

[Established by Govt. of Punjab vide Act No. 5 of 2015, UGC Act 2(f)]

DEAN ACADEMIC AFFAIRS

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Date:

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Ref. No.: DAA/MRSPTU/

AFFILIATED COLLEGES

The following programmes are offered to all Affiliated Colleges for 2018 batch admissions.

S.No.	Programme Name	Programme Code	Session	Duration (yrs)	Minimum Eligibility
1. *	M.Sc. Clinical Research	MPHA-8	2018-19	2	Bachelor's Degree or equivalent
2. *	M.Sc. Food Tech.	MFOT-1	2018-19	2	Bachelor's Degree or equivalent
3. *	B.Sc. (Food Technology)	BFOT-2	2018-19	4	10+2
4. *#	B.Sc. (Agriculture) (Hons.)	BAGE-1	2018-19	4	10+2
5. *	B.Sc. Home Sc.	BFOT-3	2018-19	4	10+2
6. *	B.Sc. (Non-Medical)	BNME-1	2018-19	3	10+2
7. *	Bachelor of Management Studies (Rural Development)	BBAD-2	2018-19	3	10+2
8. *	B.Sc. (Animation and Multimedia Tech.)	BANM-1	2018-19	3	10+2
9. *	B.Com. (E-Commerce)	BCOM-2	2018-19	3	10+2
10. *	B.Sc. (Garment Design)	BTEX-2	2018-19	4	10+2
11. *	M.Sc. (Animation and Multimedia Tech.)	MANM-1	2018-19	2	Bachelor's Degree or equivalent
12. *	Skill Certificate Course in Computer Proficiency-I	CCSE-2	2018-19	0.5	10 th
13.	Skill Certificate Course in Computer Proficiency-II	CCSE-3	2018-19	0.5	10 th
14. *	Skill Certificate Course in Functional English	CHUM-1	2018-19	0.5	10 th
15. *	Skill Certificate Course in Lathe Operator	CMEE-4	2018-19	0.5	10 th
16. *	Skill Certificate Course in CAD/CAM	CMEE-5	2018-19	0.5	10 th
17. *	Skill Certificate Course in Sewing Operator	CTEX-1	2018-19	0.5	10 th
18. *	Skill Certificate Course in Computer Maintenance & Programming Assistant	CCSE-5	2018-19	1	10 th
19. *	Skill Certificate course in Medical Lab Technology	CMLT-1	2018-19	1	10 th
20. *	B.Sc. (Agronomy)	BAGE-3	2018-19	4	10+2
21. *	B.Sc. (Agricultural Economics)	BAGE-4	2018-19	3	10+2
22. *	Skill Certificate in Computer Hardware & Networking	CCSE-1	2018-19	1	10 th

23.	B.Sc. Biotechnology	BBOT-1	2018-19	3	10+2
24.	M.Sc. Biotechnology	MBOT-1	2018-19	2	Bachelor Degree in Science (medical/non-medical)
25. #	B.Sc. Medical Lab Science	BMLT-1	2018-19	3	10+2
26.	M.Sc. Medical Lab Science (Clinical Biochemistry)	MMLT-1	2018-19	2	Bachelor Degree in Medical Lab Technology recognized by UGC
27.	M.Sc. Chemistry	MCHM-1	2018-19	2	B.Sc. with Chemistry/Physics as one of the subjects in which admission in M.Sc. is sought
28.	M.Sc. Physics	MPHY-1	2018-19	2	
29.	M.Sc. Mathematics	MMAT-1	2018-19	2	B.Sc. (Non-medical)/B.A. with Mathematics as one of the subjects
30.	B.Com. (Hons)	BCOM-1	2018-19	3	10+2
31.	M.Com.	MCOM-1	2018-19	2	Bachelor Degree in Commerce/ Management/Business Administration
32. #	BCA	BCAP-1	2018-19	3	10+2
33.	Post Graduate Diploma in Computer Applications	PCAP-1	2018-19	1	Bachelor Degree
34.	B.Sc. Fashion Design	BFTE-1	2018-19	3	10+2
35. #	B.Sc. Fashion Technology	BFTE-2	2018-19	3	10+2
36.	M.Sc. Fashion Technology	MFTE-1	2018-19	2	B.Sc. (Fashion Technology) Degree recognized by UGC
37.	Bachelor of Management Studies (Airlines, Tourism & Hospitality)	BHOM-1	2018-19	3	10+2
38.	Bachelor of Management Studies (Hotel Management & Catering Technology)	BHOM-3	2018-19	3	10+2
39.	B. Pharm. (Practice)	BPHA-2	2018-19	2	10+2
40. #	B.Sc. Information Technology	BITE-1	2018-19	3	10+2
41.	M.Sc. Information Technology	MITE-1	2018-19	2	Bachelor Degree with Mathematics/Statistics /Business Mathematics/ Business Statistics/ Quantitative Techniques
42.	BBA	BBAD-1	2018-19	3	10+2
43.	PG Skill Certification in Pharmaceutical Analysis & Quality Control	CPHA-2	2018-19	0.5	B. Pharm./B.Sc. (with preference to B. Pharm.)
44.	M.Sc. (Mathematics & Computing)	MMAC-1	2018-19	2	Bachelor Degree with minimum

					50% marks in aggregate and must have studied mathematics as a subject at Graduation level.
45.	Skill Certification in Pharmaceutical Analysis & Quality Control	CPHA-2	2018-19	0.5	B. Pharm./B.Sc. (with preference to B. Pharm.)
46.	B.Sc. (Computer Science)	BCSE-1	2018-19	3	10+2 in Non-Medical or its equivalent examination
47.	Skill Certification in Hospital Administration	CPHA-1	2018-19	0.5	B. Pharm./BBA/B.Sc./B.Com. (with preference to B. Pharm.)
48.	Skill Certification in Pharmaceutical Marketing & Entrepreneurship	CPHA-3	2018-19	0.5	B. Pharm./BBA/B.Sc./ B.Com. (with preference to B. Pharm.)
49.	Skill Certification in Pharmacovigilance & Clinical Trials	CPHA-4	2018-19	0.5	B. Pharm./B.Sc. (with preference to B. Pharm.)
50.	M.Sc. (Environmental Science)	MESE-2	2018-19	2	B.Sc. Degree (medical/non-medical) recognized by UGC having at least 50% marks
51.	M.Sc. (Computer Science)	MCSE-1	2018-19	2	All those candidates who have passed Graduation in any stream

* New Programmes offered.

Lateral Entry is allowed.

**Dean Academic Affairs,
MRSPTU, BTI**

NAD

The Hon. Finance Minister in his budget speech for the year 2016-2017, inter alia, mentioned that “to help Students, Higher Education Institutions and Employers to access degree certificates of candidates, it is proposed to establish a **Digital Depository** for School Leaving Certificates, College Degrees, Academic Awards and Mark sheets, **on the pattern of a Securities Depository**. This will help validate their authenticity, safe storage and easy retrieval.”

On October 27, 2016, the Union Cabinet under the Chairmanship of Prime Minister Shri Narendra Modi has accorded its approval for establishment and operationalization of a National Academic Depository (NAD).

The Government of India is committed towards bringing administrative and academic reforms through the use of technology for delivery of efficient services to all stakeholders. Towards this end, Government intends to establish a Digital Depository of Academic Awards to be known as National Academic Depository (NAD) on the pattern of Securities Depository. The NAD would help in validating the authenticity of these awards and ensuring their safe storage and easy retrieval. Maintaining academic awards in a digital depository would provide benefit to educational institutions, students and employers by enabling online access and retrieval; eliminate fraudulent practices such as faking/forging of certificates and mark-sheets and facilitate validation. NAD would be available online 24x7 access to the stakeholders.

NAD BENEFITS

- a) One Stop Academic Depository for Academic Institutions, Students & Verifiers
 - a. Life time record keeping destination for Academic Institutions
 - b) Green Initiative
 - c) Eliminates fake/forged certificates – Reduces reputational risk
 - d) Arms the Government with better MIS and Analytics – Improved policy outcomes
 - e) Eliminates requirement of attestation by Gazetted Officer on true copies
 - f) Ease of Process
 - (i) Verification
 - (ii) Duplicate copy issuance
 - (iii) Reduces service delivery times
 - (iv) Enhances transparency



Financial Assistance to Attend International Conferences/Symposia Abroad

(For University Main Campus/Constituent Colleges)

The committee has gone through the decisions taken GZSPTU Campus, Bathinda Finance Committee Meetings held on 28.7.2006 vide agenda item no. 25.13 (annexure-1) and on 19.3.2015 vide agenda item no. 38.12 (annexure-II). The Committee recommends as follow,

Mandatory Conditions to Qualify the Application

The applicant must

1. Be Regular and confirmed faculty member.
2. Have Published at least one research paper in the last two years in UGC approved journals as per point 4 of the table.
3. Have not availed financial assistance to go abroad during the last three years from MRSPTU/GZSCCET, Bathinda.
4. Have secured at least 60% points in the evaluation.
5. Have submitted the Application at least two months before the date of start of the conference/symposium.
6. Have affiliation and acknowledgement of the Constituent College/MRSPTU, Bathinda in the research paper.
7. Adhere to the MRSPTU, Bathinda non-plagiarism policy. In case of any violation of the same, will lead to the cancellation of the financial support by the MRSPTU, Bathinda. The applicant will be required to refund the entire financial support along with penalty imposed, if any.
8. Submit a copy of the conference/symposium proceedings to the Constituent College/MRSPTU, Bathinda library.
9. Deliver open paper presentation in the Constituent College/MRSPTU, Bathinda on return.
10. Submission of application merely will not be a guarantee for approval of the proposal.
11. The applicant must not have availed the financial assistance from GZSCCET/MRSPTU for attending seminar/conference/symposium etc. in the last 3 years prior to the date of the present conference?
12. Evaluation of the research paper/abstract before approval will be done by one Expert approved by Vice Chancellor out of the panel submitted by the applicant in the concerned area of research.
13. Airfare will be given as per the guidelines issued by UGC from time to time.
14. Application must be accompanied by the proofs for having applied by him/her to other central funding agencies for financial support for the event under reference.

NOTE:

1. UGC reimbursement rules will be followed subject to the Maximum Financial support admissible per applicant for financial year _____ (Rs. _____).
2. In case financial assistance is received from organizing body/any other funding agency, then only deficient financial support will be given to the applicant.
3. Preference will be given to those applicants who have not availed earlier benefit of this travel grant from GZSCCET/MRSPTU, Bathinda.
4. In case of any ambiguity/conflict, UGC guidelines will be applicable. Decision of the Vice Chancellor will be final.

The above proposal may be approved.

Dean Academic Affairs



EVALUATION PERFORMA FOR APPLICATIONS TO TRAVEL ABROAD

Name of Applicant:

Designation:

Institute:

Conference/Symposium:

S. N.	Item	Points secured
1	Applicant is invited a) For Delivering Key Note Address/Plenary Lecture (5) b) For Oral paper presentation (4) c) For Chairing a session (3) d) Under International Collaboration Exchange Programme (2) e) Symposia Talk/Invited Lecture (1)	
2	Conference is a) Specific to applicant's area of research (5) b) In Applicant's Allied area of research (4) c) In other area of research (2)	
3	Outcome of the presentation will be beneficial to a) Applicants research project (5) b) Applicant's Departmental research work (4) c) Applicant for training/learning latest techniques although not related to his/her research project (3) d) Institutional Training/Development (2)	
4	Status of Presenter a) Single Author (5), b) Research Supervisor (4) c) Other than the above Authors (3)	
5	Number of Research Papers published in the last two years in UGC approved journals as per point 4 of the table a) More than two (5) b) Two (4) c) One (3)	
6	Organizing Body a) International organizing Body other than University (5) b) University (4) c) Industry/International Regulatory Body (3)	

a) Points Secured by the applicant: %

b) Comments of the Expert in the concerned Research Area: Recommended/Not Recommended

c) Mandatory conditions are fulfilled/not fulfilled:

Recommended/not recommended for approval by the Evaluation Committee:

1. 2. 3. 4. 5.

Dean Academic Affairs

Vice Chancellor



APPLICATION FORM FOR GRANT TO TRAVEL ABROAD

(For University Main Campus/Constituent Colleges)

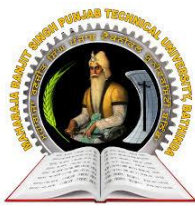
DETAILS ABOUT THE APPLICANT		
1	Name	
2	Date of Birth (Age)	
3	Sex (Male/Female)	
4	Designation	
5	Grade Pay (Pay Band)	
6	Nature of Appointment (Regular/Temporary)	
7	If Regular, then whether on probation or not?	
8	Official address with pin code	
9	Landline Telephone (O) _____ (R) _____ Mobile _____ Email _____	
10	Main Subject and Field of Specialization	
11	List of publications in the specific field (attach separate sheets)	
12	Whether a member of national/international professional bodies. If YES specify the name of the body(s)	
13	Name of the Constituent College/University Main campus where working	
14	Date of superannuation	
15	Teaching/Research duties adjusted or not (Attach Proof)	
DETAILS ABOUT THE CONFERENCE/SYMPOSIUM		
16	Name/title of the conference/ symposium to be attended	



17	Name of the organizers with complete address/website	
18	Name of the country and town where the conference/symposium will be held	
19	Duration of the conference/symposium	
20	The role of the applicant in the conference/symposium a) Presiding/Session Chair/Tutorial Session (if yes, attach documentary evidence) b) Delivering a plenary lecture/invited talk (attach documentary evidence along with a copy of the full text of the lecture/talk.) c) Presenting an oral paper (please attach abstract and full paper)	
21	Whether the paper has been accepted? (attach documentary evidence and a copy of the full paper to be presented in the conference)	
22	Indicate whether the paper has been co-authored. In case it is co-authored give names of the authors along with their addresses	
23	Whether 'No-Objection Certificate (s)' from the co-author (s) have been enclosed? (attach photocopy of the certificate (s))	
24	Indicate the complete travel plan from the proposed date and time of departure from the place of working to the Conference/symposium and back	



25	Do the conference/symposium authorities send the paper for review before accepting it?									
26	Assistance required from the MRSPTU, Bathinda a) Travel within India to reach the nearest airport up to 2 nd AC by train b) Registration fee c) Airfare for international flight (both ways) d) Registration fee e) Per-diem required (indicate the number of days and the rate) f) Total (in Rs. _____)									
27	Has the applicant approached the organizers/any other agency to a) Waive registration fee? b) Support air travel? c) Get the maintenance allowance? d) Support boarding and lodging? e) Any other? (specify)									
28	If 'YES' to any one of the above items, indicate the latest position and the amount likely to be made available (attach documentary evidence)									
29	Has the applicant availed the financial assistance from GZSCCET/MRSPTU/any other funding agency for attending seminar/conference/symposium etc. in the last 3 years prior to the date of the present conference? (a) If 'YES' give the details in the following table									
	<table border="1"> <thead> <tr> <th>Name of the Conference</th> <th>Place and dates</th> <th>Financial Assistance availed</th> <th>sanction letter no. with date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Name of the Conference	Place and dates	Financial Assistance availed	sanction letter no. with date					
Name of the Conference	Place and dates	Financial Assistance availed	sanction letter no. with date							



**MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY
DABWALI ROAD, BATHINDA-151001**

[Established by Govt. of Punjab vide Act No. 5 of 2015, UGC Act 2(f)]

Ref. No.:

Date:

	attended	of the conference	(in Rs.)	
30	Proposed date of joining the duty in the institution after the conference is over			
31	Project Impact (Not exceeding 100 words)			
32	Expected outcome (Not exceeding 100 words)			
33	Any other information the applicant would like to give in support of the case			

I certify that

- The details given above are correct.
- If the information supplied is found to be incorrect at a later date, I shall reimburse the entire amount to MRSPTU, Bathinda.
- The amount received will be used for the purpose for which it is requested.

Place/Date:

(Signature of the Applicant)
Designation:

Recommended/not recommended

Place/Date:

(Head of Department)

Funds available/not available

Place/Date:

Finance Officer, MRSPTU, Bathinda

Recommended/not recommended

Place/Date:

(Evaluation Committee)

Recommended/not recommended

Place/Date:

(Director of the Constituent College/
DAA MRSPTU for University Main Campus)

Approved/Not approved

Vice Chancellor

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BHUM0-101	Communicative English	3	1	0	40	60	100	4
BFOT2-101	Introduction to Computers & Statistics	3	1	0	40	60	100	4
BFOT2-102	Mathematics/Life Sciences	3	1	0	40	60	100	4
EVSE0-101	Environmental Studies	3	0	0	40	60	100	3
BFOT2-103	Introduction to Food Technology-I	3	1	0	40	60	100	4
BFOT2-104	Computer Applications Lab.	0	0	4	60	40	100	2
BFOT2-105	Introduction to Food Technology Lab.	0	0	4	60	40	100	2
Open Elective-I (select any one)**		3	0	0	40	60	100	3
Total		18	04	08	360	440	800	26

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
BFOT2-206	Introduction to Food Technology-II	3	1	0	40	60	100	4
BFOT2-207	Principles of Food Preservation	3	1	0	40	60	100	4
BFOT2-208	General Microbiology	3	1	0	40	60	100	4
BFOT2-209	Food Chemistry	3	1	0	40	60	100	4
BFOT2-210	Principles of Food Preservation Lab.	0	0	4	60	40	100	2
BFOT2-211	General Microbiology Lab.	0	0	4	60	40	100	2
Open Elective-II (select any one)**		3	0	0	40	60	100	3
Total		15	04	08	320	380	700	23

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
BFOT2-312	Technology of Cereals and Legumes	3	1	0	40	60	100	4
BFOT2-313	Technology of Fruits and Vegetables	3	1	0	40	60	100	4
BFOT2-314	Food Engineering-I	3	1	0	40	60	100	4
BFOT2-315	Food Microbiology	3	1	0	40	60	100	4
BFOT2-316	Technology of Cereal and Legumes Lab.	0	0	4	60	40	100	2
BFOT2-317	Technology of Fruits and Vegetables Lab.	0	0	4	60	40	100	2
BFOT2-318	Food Microbiology Lab.	0	0	4	60	40	100	2
Department Elective-I*		3	1	0	40	60	100	4
BFOT2-356	Bakery Technology							
BFOT2-357	Malting and Brewing Technology							
Total		15	05	12	380	420	800	26

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BFOT2-419	Technology of Egg, Poultry, Meat and Fish	3	1	0	40	60	100	4
BFOT2-420	Technology of Milk and Milk Products	3	1	0	40	60	100	4
BFOT2-421	Food Engineering-II	3	1	0	40	60	100	4
BFOT2-422	Enzymes in Food Processing	3	1	0	40	60	100	4
BFOT2-423	Technology of Egg, Poultry, Meat and Fish Lab.	0	0	4	60	40	100	2
BFOT2-424	Technology of Milk and Milk Products Lab.	0	0	4	60	40	100	2
Departmental Elective-II*		3	1	0	40	60	100	4
BFOT2-458	Food Additives							
BFOT2-459	Technology of Beverages							
Total		15	05	08	320	380	700	24

After 4th semester the students will undertake an In-plant summer training of six weeks in industry/organization. The evaluation of training will be done in the fifth semester.

Semester 5 th		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
BFOT2-525	Industrial Microbiology	3	1	0	40	60	100	4
BFOT2-526	Food Biotechnology	3	1	0	40	60	100	4
BFOT2-527	Food Quality and Sensory Evaluation	3	1	0	40	60	100	4
BFOT2-528	In Plant Training Viva	0	0	4	60	40	100	2
BFOT2-529	Industrial Microbiology Lab.	0	0	4	60	40	100	2
BFOT2-530	Food Quality and Sensory Evaluation Lab.	0	0	4	60	40	100	2
Departmental Elective-III*		3	1	0	40	60	100	4
BFOT2-560	Oil and Fat Technology							
BFOT2-561	Spices and Flavor Technology							
Departmental Elective-IV*		3	1	0	40	60	100	4
BFOT2-562	Grain Storage							
BFOT2-563	Confectionary Technology							
Total		15	05	12	380	420	800	26

Semester 6 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BFOT2-631	Food safety and Food Laws	3	1	0	40	60	100	4
BFOT2-632	Food Packaging	3	1	0	40	60	100	4
BFOT2-633	Fundamental of Food and Nutrition	3	1	0	40	60	100	4
BFOT2-634	Food Plant Sanitation	3	1	0	40	60	100	4
BFOT2-635	Food plant Layout	3	1	0	40	60	100	4
BFOT2-636	Food Packaging	0	0	4	60	40	100	2
BFOT2-637	Food and Nutrition	0	0	4	60	40	100	2
Total		15	05	08	320	380	700	24

Overall

Semester	Marks	Credits
1 st	800	26
2 nd	700	23
3 rd	800	26
4 th	700	24
5 th	800	26
6 th	700	24
Total	4500	149

MRSPTU B.Sc. (GARMENT DESIGN) STUDY SCHEME 2018 BATCH ONWARDS

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BTEX2-101	Language-I	3	1	0	40	60	100	4
BHUM0-102	English-I	3	1	0	40	60	100	4
BTEX2-102	Basic Textile Studies	3	1	0	40	60	100	4
BTEX2-103	Fashion Studies	3	1	0	40	60	100	4
BTEX2-104	Fashion and Art Design Lab.	0	0	4	60	40	100	2
BTEX2-105	Computer Application Lab.	0	0	4	60	40	100	2
BTEX2-106	Environmental Studies	3	1	0	0	100	100	4
Total		15	5	8	280	420	700	24

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BTEX2-207	Language-II	3	1	0	40	60	100	4
BHUM0-202	English-II	3	1	0	40	60	100	4
BTEX2-208	Woven Fabric & Design	3	1	0	40	60	100	4
BTEX2-209	Garment Machines & Clothing Construction	3	1	0	40	60	100	4
BTEX2-210	Woven Fabric Analysis & Textile CAD Lab.	0	0	4	60	40	100	2
BTEX2-211	Basic Apparel Production	0	0	4	60	40	100	2
BHUM0-203	Human Values and Professional Ethics	3	0	0	0	100	100	3
Total		15	5	8	280	420	700	23

MRSPTU B.Sc. (GARMENT DESIGN) STUDY SCHEME 2018 BATCH ONWARDS

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BTEX2-312	Knit Fabric Studies	3	1	0	40	60	100	4
BTEX2-313	Textile Coloration Technology	3	1	0	40	60	100	4
BTEX2-314	Textile Coloration Lab.	0	0	4	60	40	100	2
BTEX2-315	Knit Fabric Analysis Lab.	0	0	4	60	40	100	2
BTEX2-316	Pattern Making and Garment Production of Kids Wear Lab.	0	0	4	60	40	100	2
BTEX2-317	Textile and Garment Finishing Technology	3	1	0	40	60	100	4
Total		12	4	12	300	400	700	22

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BTEX2-418	Apparel Production Management	3	1	0	40	60	100	4
BTEX2-419	Apparel Quality Assurance	3	1	0	40	60	100	4
BTEX2-420	Apparel Merchandising	3	1	0	40	60	100	4
BTEX2-421	Practical-VII-Apparel Testing & Quality Assurance	0	0	4	60	40	100	2
BTEX2-422	Pattern Making and Garment Production of Women's Wear	0	0	4	60	40	100	2
BTEX2-423	Computer Aided Designing Lab.	0	0	4	60	40	100	2
Total		9	3	12	300	300	600	18

MRSPTU B.Sc. (GARMENT DESIGN) STUDY SCHEME 2018 BATCH ONWARDS

Semester 5 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BTEX2-524	Apparel Costing	3	1	0	40	60	100	4
BTEX2-525	Apparel Industrial Engineering	3	1	0	40	60	100	4
BTEX2-526	Pattern making and Garment Production of Women's Wear Lab.	0	0	4	60	40	100	2
BTEX2-527	Total Quality Management	3	1	0	40	60	100	4
BTEX2-528	Textile & Garment Surface Embellishments Lab.	0	0	4	60	40	100	2
Departmental Elective-I		3	1	0	40	60	100	4
BTEX2-556	Fashion Accessories & Trims							
BTEX2-557	Technical Textiles							
BTEX2-558	Surface Ornamentation							
Total		12	4	8	280	320	600	20

Semester 6 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BTEX2-629	International Trade Documentation	3	1	0	40	60	100	4
BTEX2-630	Entrepreneurship of Small Business Development	3	1	0	40	60	100	4
BTEX2-631	ERP in Apparel Industry	3	1	0	40	60	100	4
BTEX2-632	Project Work and Viva Voce	0	0	10	60	40	100	8
Departmental Elective-II		3	1	0	60	40	100	4
BTEX2-659	Fashion Communication & Retailing							
BTEX2-660	Non-Woven & Specialty Textiles							
BTEX2-661	Visual Merchandising							
Departmental Elective-III		3	1	0	60	40	100	4
BTEX2-662	Clothing Science							
BTEX2-663	Clothing Care							
BTEX2-664	Home Textiles							
Total		18	6	10	300	400	700	32

*For Project Work 80% Marks and Viva Voce 20% Mark

MRSPTU B.Sc. (HOME SCIENCE) STUDY SCHEME 2018 BATCH ONWARDS

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BHUM0-101	Communicative English	3	1	0	40	60	100	4
BFOT3-102	Basics of Computers	3	1	0	40	60	100	4
EVSE-101	Environmental Studies	2	1	0	40	60	100	3
BFOT3-102	Introduction to Human Development	3	1	0	40	60	100	4
BFOT3-103	Basic Food and Nutrition	3	1	0	40	60	100	4
BFOT3-104	Punjabi*/Basic Punjabi*	2	1	0	40	60	100	3
BFOT3-105	Computer Applications Lab.	0	0	4	60	40	100	2
BFOT3-106	Food and Nutrition Lab.	0	0	4	60	40	100	2
Total		16	06	08	400	500	900	26

*Those students who had studied Punjabi at matriculation level they will study Punjabi, whereas other students who had not studied Punjabi at matriculation level has to study Basic Punjabi.

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BFOT3-207	Introduction to Human Development	3	1	0	40	60	100	4
BFOT3-208	Applied Art	3	1	0	40	60	100	4
BFOT3-209	Hygiene	3	1	0	40	60	100	4
BFOT3-210	Family and Social Welfare	3	1	0	40	60	100	4
BFOT3-211	Introduction to Family and Resource Management	3	1	0	40	60	100	4
BFOT3-212	Basic Physics	2	1	0	40	60	100	3
BFOT3-213	Applied Art Lab.	0	0	4	60	40	100	2
BFOT3-214	Introduction to Family and Resource Management Lab.	0	0	4	60	40	100	2
Total		17	6	8	400	500	900	27

**Open Elective: Student must choose open elective subject offered by other departments.

MRSPTU B.Sc. (HOME SCIENCE) STUDY SCHEME 2018 BATCH ONWARDS

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BFOT3-315	Advanced Food Nutrition	3	1	0	40	60	100	4
BFOT3-316	Development Stage Up to Childhood	3	1	0	40	60	100	4
BFOT3-317	Housing	3	1	0	40	60	100	4
BFOT3-318	Meal Management	3	1	0	40	60	100	4
BFOT3-319	Basic Chemistry	2	1	0	40	60	100	3
BFOT3-320	Housing Lab.	0	0	4	60	40	100	2
BFOT3-321	Meal Management	0	0	4	60	40	100	2
Departmental Elective-I*		3	1	0	40	60	100	4
BFOT3-356	Elementary Physiology							
BFOT3-357	Traditional Embroideries, Textile and Costumes of India							
Total		17	06	08	360	440	800	27

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BFOT3-422	Textile Science	3	1	0	40	60	100	4
BFOT3-423	Basic Concept of Economics	3	1	0	40	60	100	4
BFOT3-424	Development Stage Till Old Age	3	1	0	40	60	100	4
BFOT3-425	Kitchen Design and its Equipment	3	1	0	40	60	100	4
BFOT3-426	Applied Physics	3	1	0	40	60	100	4
BFOT3-427	Textile Science Lab.	0	0	4	60	40	100	2
BFOT3-428	Kitchen Design and its Equipment Lab.	0	0	4	60	40	100	2
Departmental Elective-II*		3	1	0	40	60	100	4
BFOT3-458	Consumer Economics							
BFOT3-459	Introduction to Extension Education and Community Development							
Total		18	06	08	360	440	800	28

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

MRSPTU B.Sc. (HOME SCIENCE) STUDY SCHEME 2018 BATCH ONWARDS

Semester 5 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BFOT3-529	Child Physiology	3	1	0	40	60	100	4
BFOT3-530	Interior Space Designing	3	1	0	40	60	100	4
BFOT3-531	Therapeutic Nutrition	3	1	0	40	60	100	4
BFOT3-532	Basic Concept of Sewing and Fashion	3	1	0	40	60	100	4
BFOT3-533	Applied Chemistry	3	1	0	40	60	100	4
BFOT3-534	Interior Space Designing Lab.	0	0	4	60	40	100	2
BFOT3-535	Basic Concept of Sewing and Fashion Lab.	0	0	4	60	40	100	2
Department Elective-III*		3	1	0	40	60	100	4
BFOT3-560	Community Nutrition							
BFOT3-561	Quality Food Production Service							
Departmental Elective-IV*		3	1	0	40	60	100	4
BFOT3-562	Applied Botany and Home Gardening							
BFOT3-563	Applied Zoology and Food Microbiology							
Total		21	07	08	400	500	900	32

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

Semester 6 th		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
BFOT3-636	Behavioral Psychology	3	1	0	40	60	100	4
BFOT3-637	Interior Decoration	3	1	0	40	60	100	4
BFOT3-638	Garment Designing and Construction	3	1	0	40	60	100	4
BFOT3-639	Communication and Audio-visual in Extension Work	3	1	0	40	60	100	4
BFOT3-640	Nutritional Biochemistry	3	1	0	40	60	100	4
BFOT3-641	Behavioural Psychology Lab.	0	0	4	60	40	100	2
BFOT3-642	Interior Decoration Lab.	0	0	4	60	40	100	2
BFOT3-643	Garment Designing and Construction Lab.	0	0	4	60	40	100	2
Total		15	05	12	380	420	800	26

Overall

Semester	Marks	Credits
1 st	800	26
2 nd	800	27
3 rd	800	27
4 th	800	28
5 th	900	32
6 th	800	26
Total	5100	162

MRSPTU

**MRSPTU BACHELOR OF MANAGEMENT STUDIES (RURAL DEVELOPMENT)
STUDY SCHEME 2018 BATCH ONWARDS**

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BBAD2-101	Human Values and Professional Ethics	3	0	0	40	60	100	3
BBAD2-102	Principals of Management	4	1	0	40	60	100	5
BBAD2-103	Microeconomics	4	1	0	40	60	100	5
BBAD2-104	Financial Accounting	4	1	0	40	60	100	5
BBAD2-105	Business Communication –I	4	1	0	40	60	100	5
BBAD2-106	Introduction to Computers	4	1	0	40	60	100	5
Total		23	5	0	240	360	600	28

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BBAD2-207	Organization Behavior	4	1	0	40	60	100	5
BBAD2-208	Macroeconomics	4	1	0	40	60	100	5
BBAD2-209	Business Mathematics	4	1	0	40	60	100	5
BBAD2-210	Corporate Accounting	4	1	0	40	60	100	5
BBAD2-211	Business Communication –II	4	1	0	60	40	100	5
BBAD2-212	Computer Applications	4	1	0	60	40	100	5
BBAD2-213	Viva Voce	0	0	0	0	100	100	1
Total		24	6	0	280	420	700	31

**MRSPTU BACHELOR OF MANAGEMENT STUDIES (RURAL DEVELOPMENT)
STUDY SCHEME 2018 BATCH ONWARDS**

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BBAD2-314	Human Resource Management	4	1	0	40	60	100	5
BBAD2-315	Marketing Management	4	1	0	40	60	100	5
BBAD2-316	Cost Accounting	4	1	0	40	60	100	5
BBAD2-317	Business Statistics	4	1	0	40	60	100	5
BBAD2-318	Agrarian Relations, Laws and Peasant Struggle	4	1	0	60	40	100	5
BBAD2-319	Seminar on Contemporary Issues in Rural development	0	0	4	0	100	100	4
Total		20	5	4	220	380	600	29

*The project viva voce will be conducted by the external examiner.

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BBAD2-420	Research Methodology	4	1	0	40	60	100	5
BBAD2-421	Rural society and Polity	4	1	0	40	60	100	5
BBAD2-422	Rural Economy and Development	4	1	0	40	60	100	5
BBAD2-423	Agriculture-I (Crop Production)	4	1	0	40	60	100	5
BBAD2-424	Management of Land and Water Resources	4	1	0	60	40	100	5
BBAD2-425	Ecology, Forestry and Wasteland development	4	1	0	0	100	100	5
* BBAD2-426	Viva Voce	0	0	0	0	100	100	1
Total		24	6	0	220	480	700	31

*The project viva voce will be conducted by the external examiner.

**MRSPTU BACHELOR OF MANAGEMENT STUDIES (RURAL DEVELOPMENT)
STUDY SCHEME 2018 BATCH ONWARDS**

Semester 5 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BBAD2-527	Business Environment	4	1	0	40	60	100	5
BBAD2-528	Rural Financing	4	1	0	40	60	100	5
BBAD2-529	Agriculture-2 (Animal Production and Management)	4	1	0	40	60	100	5
BBAD2-530	Managing Across Culture	4	1	0	40	60	100	5
BBAD2-531	Legal Framework Governing Human Relations	4	1	0	60	40	100	5
BBAD2-532	Seminar on Training Report	0	0	0	100	0	100	5
Total		20	5	0	320	280	600	30

Semester 6 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BBAD2-633	Corporate Strategies	4	1	0	40	60	100	5
BBAD2-634	Small Business and Entrepreneurship	4	1	0	40	60	100	5
BBAD2-635	Self Help Group and Women Empowerment	4	1	0	40	60	100	5
BBAD2-636	Rural Marketing	4	1	0	40	60	100	5
BBAD2-637	Agri-business Management	4	1	0	40	60	100	5
* BBAD2-638	Project Presentation	0	0	0	40	60	100	5
BBAD2-639	Environmental Science	2	0	0	40	60	100	2
Total		22	5	0	280	420	700	32

*The project viva voce will be conducted by the external examiner.

Overall

Semester	Marks	Credits
1 st	600	28
2 nd	700	31
3 rd	600	29
4 th	700	31
5 th	600	30
6 th	700	32
Total	3900	181

**MRSPTU M.Sc. (MATHEMATICS AND COMPUTING) STUDY SCHEME 2018 BATCH
ONWARDS**

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
MMAC1-101	Discrete Structure	3	1	0	40	60	100	4
MMAC1-102	Computer Network and Distributed Systems	3	1	0	40	60	100	4
MMAC1-103	Operating Systems	3	1	0	40	60	100	4
MMAC1-104	Lab.-I Operating Systems Laboratory	0	0	4	60	40	100	2
MMAC1-105	Lab.-II Computer Network Laboratory	0	0	4	60	40	100	2
Departmental Elective-I*		3	1	0	40	60	100	4
MMAC1-156	Computer Programming							
MMAC1-157	Modern Algebra							
Open Elective-I (select any one)**		3	0	0	40	60	100	3
Total		15	04	08	320	380	700	23

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
MMAC1-206	Differential Equations	3	1	0	40	60	100	4
MMAC1-207	Software Engineering	3	1	0	40	60	100	4
MMAC1-208	Computer Fundamentals and Statistics	3	1	0	40	60	100	4
MMAC1-209	Lab.-III Software Engineering Lab.	0	0	4	60	40		2
Departmental Elective-II*		3	1	0	40	60	100	4
MMAC1-258	Complex Analysis							
MMAC1-259	Probability Theory							
Department Elective-III*		3	1	0	40	60	100	4
MMAC1-260	Optimization Techniques							
MMAC1-261	Data Structures & Algorithms							
Total		15	05	04	260	340	600	22

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

After 2nd semester the students will undertake a Hardware and software summer training of six weeks in industry/organization. The evaluation of training will be done in the fourth semester.

**MRSPTU M.Sc. (MATHEMATICS AND COMPUTING) STUDY SCHEME 2018 BATCH
ONWARDS**

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
MMAC1-310	Functional Analysis	3	1	0	40	60	100	4
MMAC1-311	Numerical Analysis	3	1	0	40	60	100	4
MMAC1-312	Theory of Computation	3	1	0	40	60	100	4
MMAC1-313	Lab.-IV Multimedia and Graphics	0	0	4	60	40	100	2
Department Elective IV*		3	1	0	40	60	100	4
MMAC1-362	Numerical of Partial Differential Equations							
MMAC1-363	Linear Algebra							
Open Elective-II (select any one)**		3	1	0	40	60	100	4
Total		15	05	04	260	340	600	22

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
MMAC1-414	Mobile Computing	3	1	0	40	60	100	4
MMAC1-415	Numerical Analysis	3	1	0	40	60	100	4
MMAC1-416	Advanced DBMS	2	1	0	40	60	100	3
MMAC1-417	Lab.-V DBMS Lab.	0	0	4	60	40	100	2
MMAC1-418	Summer Training Viva	0	0	0	100	0	100	2
MMAC1-419	Project Report	0	0	0	Satisfactory/Unsatisfactory			8
Total		08	03	04	280	220	500	23

Overall

Semester	Marks	Credits
1 st	700	23
2 nd	600	22
3 rd	600	22
4 th	500	23
Total	2400	90

MRSPTU B.Sc. (AGRONOMY) STUDY SCHEME 2018 BATCH ONWARDS

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BHUM0-101	English Communication	2	0	0	40	60	100	2
BAGE3-101	Introduction to Agriculture	3	0	0	40	60	100	3
BAGE3-102	Elements of Agronomy and Agro Meteorology	3	0	0	40	60	100	3
BAGE3-103	Fundamentals of Agribusiness Management	3	0	0	40	60	100	3
BAGE3-104	Introduction to Food Technology	3	0	0	40	60	100	3
BBIO0-101	Botany	2	0	0	40	60	100	2
BMAT0-101	Mathematics	2	0	0	40	60	100	2
BAGE3-105	Introduction to Plant Science Lab.	0	0	2	20	30	50	1
BAGE3-106	Elements of Agronomy and Agro Meteorology Lab.	0	0	2	20	30	50	1
BAGE3-107	Agro Meteorology-I Lab.	0	0	2	20	30	50	1
BBIO0-102	Botany Lab.	0	0	2	20	30	50	1
Total		18	0	8	360	540	900	22

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
EVSE0-101	Environmental Science	2	0	0	40	60	100	2
BAGE3-208	Fundamentals of Soil Science	3	0	0	40	60	100	3
BAGE3-209	Introduction to Plant Pathology	3	0	0	40	60	100	3
BAGE3-210	Plant Physiology	3	0	0	40	60	100	3
BAGE3-211	Basic Biotechnology	3	0	0	40	60	100	3
BAGE3-212	Food Chemistry	3	0	0	40	60	100	3
BAGE3-213	Statistics	2	0	0	40	60	100	2
BHUM0-211/ BHUM0-212	Punjabi*/ Basic Punjabi**	1	0	0	40	60	100	0
BAGE3-214	Fundamentals of Soil Science Lab.	0	0	2	60	40	100	1
BAGE3-215	Introduction to Plant Pathology Lab.	0	0	2	60	40	100	1
BAGE3-216	Plant Physiology Lab	0	0	2	60	40	100	1
BAGE3-217	Basic Biotechnology Lab.	0	0	2	60	40	100	1
BAGE3-218	Food Chemistry Lab.	0	0	2	60	40	100	1
Total		20	0	10	400	600	1300	26

* For students who had studied Punjabi at matriculation level

** For students who had not studied Punjabi at matriculation level

MRSPTU B.Sc. (AGRONOMY) STUDY SCHEME 2018 BATCH ONWARDS

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BAGE3-319	Introduction to Genetics	2	0	0	40	60	100	2
BAGE3-320	Field Crop Production – I	2	0	0	40	60	100	2
BAGE3-321	Introduction to Entomology	2	0	0	40	60	100	2
BAGE3-322	Production Technology of Fruit Crops	2	0	0	40	60	100	2
BAGE3-323	Soil Chemistry, Fertility and Nutrient Management	2	0	0	40	60	100	2
BAGE3-324	Agro Forestry Systems	2	0	0	40	60	100	2
BAGE3-325	Basic Food Microbiology	2	0	0	40	60	100	2
BAGE3-326	Introduction to Genetics Lab.	0	0	2	60	40	100	1
BAGE3-327	Field Crop Production – I Lab.	0	0	2	60	40	100	1
BAGE3-328	Introduction to entomology Lab.	0	0	2	60	40	100	1
BAGE3-329	Production Technology of Fruit Crops Lab.	0	0	2	60	40	100	1
BAGE3-330	Soil Chemistry, Fertility and Nutrient Management Lab.	0	0	2	60	40	100	1
BAGE3-331	Basic Food Microbiology Lab.	0	0	2	60	40	100	1
Total		14	0	12	640	660	1300	20

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BAGE3-432	Farm Management & Finance	2	0	0	40	60	100	2
BAGE3-433	Intellectual Property Right	2	0	0	40	60	100	2
BAGE3-434	Diversified Agriculture and Farm Enterprises	2	0	0	40	60	100	2
BAGE3-435	Field Crop Production - II	2	0	0	40	60	100	2
BAGE3-436	Production Technology of Vegetables and Flowers	2	0	0	40	60	100	2
BAGE3-437	Rained Agriculture and Watershed Management	2	0	0	40	60	100	2
BAGE3-438	Organic Farming	1	0	0	40	60	100	1
BAGE3-439	Farm Power & Machinery	2	0	0	40	60	100	2
BAGE3-440	Field Crop Production – II Lab.	0	0	2	60	40	100	1
BAGE3-441	Production Technology of Vegetables and Flowers Lab.	0	0	2	60	40	100	1
BAGE3-442	Rained Agriculture and Watershed Management Lab.	0	0	2	60	40	100	1
BAGE3-443	Organic Farming Lab.	0	0	2	60	40	100	1
Total		15	0	8	560	640	1200	19

MRSPTU B.Sc. (AGRONOMY) STUDY SCHEME 2018 BATCH ONWARDS

Semester 5 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BAGE3-544	Crop Improvement Principles and Practices	2	0	0	40	60	100	2
BAGE3-545	Integrated Farming System and Sustainable Agriculture	2	0	0	40	60	100	2
BAGE3-546	Post-Harvest Technology and Value Addition	2	0	0	40	60	100	2
BAGE3-547	Production Economics and Farm Management	2	0	0	40	60	100	2
BAGE3-548	Chemistry of agrochemicals	2	0	0	40	60	100	2
BAGE3-549	Livestock Production and Management	2	0	0	40	60	100	2
BAGE3-550	Plant Tissue Culture	2	0	0	40	60	100	2
BAGE3-551	Crop Improvement Principles and Practices Lab.	0	0	2	60	40	100	1
BAGE3-552	Post-Harvest Technology and Value Addition Lab.	0	0	2	60	40	100	1
BAGE3-553	Production Economics and Farm Management Lab.	0	0	2	60	40	100	1
BAGE3-554	Livestock Production and Management Lab.	0	0	2	60	40	100	1
BAGE3-555	Plant Tissue Culture Lab.	0	0	2	60	40	100	1
BAGE3-556	Chemistry of Agrochemicals Lab.	0	0	2	60	40	100	1
Total		14	0	12	640	660	1300	20

Semester 6 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BAGE3-657	Manures, Fertilizers and Agrochemicals	2	0	0	40	60	100	2
BAGE3-658	Seed Production Technology	2	0	0	40	60	100	2
BAGE3-659	Rural Finance and Banking	2	0	0	40	60	100	2
BAGE3-660	Crop Modelling	2	0	0	40	60	100	2
BAGE3-661	Food Retail and Supply Chain Management	2	0	0	40	60	100	2
BAGE3-662	Crop Residue Management	2	0	0	40	60	100	2
BAGE3-663	Manures, Fertilizers and Agrochemicals Lab.	0	0	2	60	40	100	1
BAGE3-664	Seed Production Technology Lab.	0	0	2	60	40	100	1
BAGE3-665	Rural Finance and Banking Lab.	0	0	2	60	40	100	1
BAGE3-666	Crop Modelling	0	0	2	60	40	100	1
BAGE3-667	Food Retail and Supply Chain Management Lab.	0	0	2	60	40	100	1
BAGE3-668	Crop Residue Management Lab.	0	0	2	60	40	100	1
Total		12	0	12	600	600	1200	18

MRSPTU B.Sc. (AGRONOMY) STUDY SCHEME 2018 BATCH ONWARDS

Semester 7 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BAGE3-769	Integrated Nutrient Management	2	0	0	40	60	100	2
BAGE3-770	Integrated Pest Management	2	0	0	40	60	100	2
BAGE3-771	Mechanization of Small Farms	2	0	0	40	60	100	2
BAGE3-772	Warehousing Management	2	0	0	40	60	100	2
BAGE3-773	Weed Management	2	0	0	40	60	100	2
BAGE3-774	Diseases of Field Crops & their Management	2	0	0	40	60	100	2
BAGE3-775	Integrated Nutrient Management Lab.	0	0	2	60	40	100	1
BAGE3-776	Integrated Pest Management Lab.	0	0	2	60	40	100	1
BAGE3-777	Mechanization of Small Farms Lab.	0	0	2	60	40	100	1
BAGE3-778	Warehousing Management Lab.	0	0	2	60	40	100	1
BAGE3-779	Weed Management Lab.	0	0	2	60	40	100	1
BAGE3-780	Diseases of Field Crops & their Management Lab.	0	0	2	60	40	100	1
Total		12	0	12	600	600	1200	18

Semester 8 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BAGE3-881	Rural Agriculture Work Experience	0	0	12	100	0	100	6
BAGE3-882	Industrial Agriculture Work Experience	0	0	12	100	0	100	6
BAGE3-883	Reporting Writing and Presentation	0	0	6	60	40	100	3
Total		0	0	30	260	40	300	15

Total Credits: 22 + 26 + 20 + 19 + 20 + 18 + 18 + 15 = 158

MRSPTU B.COM. (E-COMMERCE) SYLLABUS 2018 BATCH ONWARDS

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BCOM2-101	Financial Accounting	3	1	0	40	60	100	4
BCOM2-102	Business Organization & Management	3	1	0	40	60	100	4
BCOM2-103	Micro Economics	3	1	0	40	60	100	4
BCOM2-104	Business Mathematics	3	1	0	40	60	100	4
BCOM2-105	Communicative English	3	1	0	40	60	100	4
BCOM2-106	Human Values and Professional Ethics	3	1	0	40	60	100	4
Total		18	6	0	240	360	600	24

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BCOM2-207	Advanced Accounting	3	1	0	40	60	100	4
BCOM2-208	Mercantile Law	3	1	0	40	60	100	4
BCOM2-209	Macro Economics	3	1	0	40	60	100	4
BCOM2-210	Business Statistics	3	1	0	40	60	100	4
BCOM2-211	Business Communication	3	1	0	40	60	100	4
BCOM2-212	Workshop on IT & E-Commerce Ethics	0	0	4	60	40	100	2
Total		15	5	4	260	340	600	22

**MRSPTU B.Sc. (ANIMATION & MULTIMEDIA TECHNOLOGY) STUDY SCHEME
2018 BATCH ONWARDS**

Semester 1 st		Generic/Skill Development	Contact Hrs.			Marks			Credits
Subject Code	Subject Name		L	T	P	Internal	External	Total	
*BANM1-101	Communication Skills	Generic	3	1	0	40	60	100	4
* BANM1-102	Fundamentals of Information Technology	Generic	3	1	0	40	60	100	4
BANM1-103	Understanding of Multimedia & Animation	Skill Development	3	1	0	40	60	100	4
BANM1-104	Corel Draw and Photoshop	Skill Development	3	1	0	40	60	100	4
BANM1-105	Practical based on AMT-103 & AMT-104	Skill Development	0	0	4	60	40	100	2
Total			12	4	4	220	280	500	18

*Refer to Generic Components Common to all B. Voc. Courses

Job Role: Web Designer, 2D Animator, 3d Modeler & Architectural Designer.

Semester 2 nd		Generic/Skill Development	Contact Hrs.			Marks			Credits
Subject Code	Subject Name		L	T	P	Internal	External	Total	
* BANM1-206	Soft Skills and Personality Development	Generic	3	1	0	40	60	100	4
BANM1-207	Programming in C	Generic	3	1	0	40	60	100	4
BANM1-208	Cinematography	Skill Development	3	1	0	40	60	100	4
BANM1-209	Video & Audio Editing	Skill Development	3	1	0	40	60	100	4
BANM1-210	Art Foundation Drawing	Skill Development	3	1	0	40	60	100	4
BANM1-211	Practical based on AMT-201	Skill Development	0	0	4	60	40	100	2
BANM1-212	Practical based on AMT-202	Skill Development	0	0	4	60	40	100	2
BANM1-213	Practical based on AMT-203	Skill Development	0	0	4	60	40	100	2
BANM1-213	Summer Training (OJT), After 2 nd Semester Examinations								0
Total			15	5	12	380	420	800	26

*Refer to Generic Components Common to all B. Voc. Courses

**Non Credit

Job Role: Web Designer, 2D Animator, 3d Modeler & Architectural Designer.

**MRSPTU B.Sc. (ANIMATION & MULTIMEDIA TECHNOLOGY) STUDY SCHEME
2018 BATCH ONWARDS**

Semester 3 rd		Generic/Skill Development	Contact Hrs.			Marks			Credits
Subject Code	Subject Name		L	T	P	Internal	External	Total	
* BANM1-314	Value Education & Human Rights	Generic	3	1	0	40	60	100	4
BANM1-315	Internet Technology & Web Designing	Generic	3	1	0	40	60	100	4
BANM1-316	Flash	Skill Development	3	1	0	40	60	100	4
BANM1-317	Dreamweaver	Skill Development	3	1	0	40	60	100	4
BANM1-318	Practical based on AMT-301 & AMT-302	Skill Development	0	0	4	60	40	100	2
Total			12	4	4	220	280	500	18

***Refer to Generic Components Common to all B. Voc. Courses**

Job Role: Java Developer, 3D Animator, VFX Editor.

Semester 4 th		Generic/Skill Development	Contact Hrs.			Marks			Credits
Subject Code	Subject Name		L	T	P	Internal	External	Total	
* BANM1-419	Environmental Studies	Generic	3	1	0	40	60	100	4
BANM1-420	Animation Theory	Generic	3	1	0	40	60	100	4
BANM1-421	3ds Max: Modeling	Skill Development	3	1	0	40	60	100	4
BANM1-422	3ds Max: Texturing, Lightning & Rendering	Skill Development	3	1	0	40	60	100	4
BANM1-423	Practical based on AMT-401	Skill Development	0	0	4	60	40	100	2
BANM1-424	Practical based on AMT-402	Skill Development	0	0	4	60	40	100	2
BANM1-425	Summer Training (OJT), After 4 th Semester Examinations								0
Total			12	4	8	280	320	600	20

***Refer to Generic Components Common to all B. Voc. Courses**

Job Role: Java Developer, 3D Animator, VFX Editor.

**MRSPTU B.Sc. (ANIMATION & MULTIMEDIA TECHNOLOGY) STUDY SCHEME
2018 BATCH ONWARDS**

Semester 5 th		Generic/Skill Development	Contact Hrs.			Marks			Credits
Subject Code	Subject Name		L	T	P	Internal	External	Total	
* BANM1-526	Critical Thinking & Elementary Statistics	Generic	3	1	0	40	60	100	4
BANM1-527	Internet Programming with Java	Generic	3	1	0	40	60	100	4
BANM1-528	3d Max Animation (Practical)	Skill Development	3	1	0	60	40	100	4
BANM1-529	Visual Effects (Practical)	Skill Development	3	1	0	60	40	100	4
BANM1-530	Pre-Production (Theory)	Skill Development	0	0	4	40	60	100	2
Total			12	4	4	240	260	500	18

***Refer to Generic Components Common to all B. Voc. Courses**

Job Role: Java Developer, 3D Animator, VFX Editor.

Semester 6 th		Generic/Skill Development	Contact Hrs.			Marks			Credits
Subject Code	Subject Name		L	T	P	Internal	External	Total	
* BANM1-631	Entrepreneurship Development Programme	Generic	3	1	0	40	60	100	4
BANM1-632	Project & Internship	Skill Development	3	1	0	40	60	100	4
Total			6	2	0	80	120	200	8

***Refer to Generic Components Common to all B. Voc. Courses**

Job Role: Java Developer, 3D Animator, VFX Editor.

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BHUM0-101	Communication-I	3	1	0	40	60	100	4
BCSE1-101	Programming in C	3	1	0	40	60	100	4
BCSE1-102	Human Value & Professional Ethics	2	1	0	40	60	100	3
BMAT0-101	Mathematics-I	3	1	0	40	60	100	4
BCSE1-103	Information Technology	3	1	0	40	60	100	4
BCSE1-104	Software Lab.-I (Programming in C)	0	0	4	60	40	100	2
BCSE1-105	Software Lab.-II (Information Technology)	0	0	2	60	40	100	1
Open Elective-I (select any one)**		3	0	0	40	60	100	3
Total		17	05	06	360	440	800	25

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
BHUM0-201	Communication-II	3	1	0	40	60	100	4
BMAT0-201	Basic Mathematics-II	3	1	0	40	60	100	4
BCSE1-206	OOPS using C++	3	1	0	40	60	100	4
BCSE1-207	Digital Circuits and Logic Designs	3	1	0	40	60	100	4
BCSE1-208	Environmental Science	3	1	0	40	60	100	4
BCSE1-209	Software Lab.-III (OOPS using C++)	0	0	4	60	40	100	2
BCSE1-210	Hardware Lab.-I (Digital Circuits and Logic Designs)	0	0	4	60	40	100	2
Open Elective-II (select any one)**		3	0	0	40	60	100	3
Total		18	05	08	360	440	800	27

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
BCSE1-311	Computer System Architecture	3	1	0	40	60	100	4
BCSE1-312	Data Structures	3	1	0	40	60	100	4
BCSE1-313	Operating Systems	3	1	0	40	60	100	4
BCSE1-314	Software Engineering	2	1	0	40	60	100	3
BCSE1-315	Software Lab.-IV (Operating Systems)	0	0	4	60	40	100	2
BCSE1-316	Software Lab.-V (Data Structures)	0	0	4	60	40	100	2
Departmental Elective-I*		3	1	0	40	60	100	4
BCSE1-356	Web Technologies							
BCSE1-357	Embedded System							
Total		14	05	08	320	380	700	23

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BCSE1-417	Programming in PHP	3	1	0	40	60	100	4
BCSE1-418	DBMS	3	1	0	40	60	100	4
BCSE1-419	System Analysis and Design	3	1	0	40	60	100	4
BCSE1-420	Computer Networks	3	1	0	40	60	100	4
BCSE1-421	Software Lab.-VII (Database Management Systems)	0	0	4	60	40	100	2
BCSE1-422	Software Lab.-VIII (Programming in PHP)	0	0	4	60	40	100	2
Department Elective II*		3	1	0	40	60	100	4
BCSE1-458	Basic Accounting							
BCSE1-459	Introduction to Microprocessors							
Total		15	05	08	320	380	700	24

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

Semester 5 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BCSE1-523	Information Security	3	1	0	40	60	100	4
BCSE1-524	Programming in Java	3	1	0	40	60	100	4
BCSE1-525	Scripting Languages	3	1	0	40	60	100	4
BCSE1-526	Software Lab.-IX (Programming in Java)	0	0	4	60	40	100	2
BCSE1-527	Software Lab.-X (Scripting Languages)	0	0	4	60	40	100	2
Departmental Elective-III*		3	1	0	40	60	100	4
BCSE1-560	Software Testing							
BCSE1-561	Data Warehousing and Mining							
Departmental Elective-IV*		3	1	0	40	60	100	4
BCSE1-562	Internet and Its Applications							
BCSE1-563	Big Data							
Total		15	05	08	320	380	700	24

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

Semester 6 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BCSE1-628	Mobile Application Development	3	1	0	40	60	100	4
BCSE1-629	Software Testing	3	1	0	40	60	100	4
BCSE1-630	Computer Graphics	3	1	0	40	60	100	4
BCSE1-631	Algorithm Design	3	1	0	40	60	100	4
BCSE1-632	Multimedia and Applications	3	1	0	40	60	100	4
BCSE1-633	Software Lab.-X (Mobile Application Development)	0	0	4	60	40	100	2
BCSE1-634	Software Lab.-XI (Computer Graphics)	0	0	4	60	40	100	2
Total		15	05	8	320	380	700	24

Overall

Semester	Marks	Credits
1 st	800	25
2 nd	800	27
3 rd	700	23
4 th	700	24
5 th	700	24
6 th	700	24
Total	4400	147

MRSPTU

**MRSPTU B.Sc. (NON-MEDICAL) STUDY SCHEME (SEM 1-6) 2018 BATCH
ONWARDS**

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BNME1-101	English Communication	2	0	0	40	60	100	2
BNME1-102	Mechanics	3	1	0	40	60	100	4
BNME1-103	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons	3	1	0	40	60	100	4
BNME1-104	Differential Calculus	4	2	0	40	60	100	6
BNME1-105	Mechanics Lab	0	0	4	60	40	100	2
BNME1-106	Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons Lab.	0	0	4	60	40	100	2
Total		12	4	8	280	320	600	20

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BNME1-207	Environmental Science	2	0	0	40	60	100	2
BNME1-208	Electricity, Magnetism and EMT	3	1	0	40	60	100	4
BNME1-209	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I	3	1	0	40	60	100	4
BNME1-210	Differential Equations	4	2	0	40	60	100	6
BNME1-211	Electricity, Magnetism and EMT Lab.	0	0	4	60	40	100	2
BNME1-212	Chemical Energetics, Equilibria & Functional Group Organic Chemistry-I Lab.	0	0	4	60	40	100	2
Total		12	4	8	280	320	600	20

**MRSPTU B.Sc. (NON-MEDICAL) STUDY SCHEME (SEM 1-6) 2018 BATCH
ONWARDS**

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BNME1-313	SEC-1	2	0	0	40	60	100	2
BNME1-314	Thermal Physics and Statistical Mechanics	3	1	0	40	60	100	4
BNME1-315	Solutions, Phase Equilibria, Conductance, Electrochemistry & Functional Group Organic Chemistry-II	3	1	0	40	60	100	4
BNME1-316	Real Analysis	4	2	0	40	60	100	6
BNME1-317	Thermal Physics and Statistical Mechanics Lab.	0	0	4	60	40	100	2
BNME1-318	Solutions, Phase Equilibria, Conductance, Electrochemistry & Functional Group Organic Chemistry-II Lab.	0	0	4	60	40	100	2
Total		12	4	8	280	340	600	20

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BNME1-419	SEC-2	2	0	0	40	60	100	2
BNME1-420	Wave and Optics	3	1	0	40	60	100	4
BNME1-421	Transition Metal & Coordination Chemistry, States of matter & Chemical kinetics	3	1	0	40	60	100	4
BNME1-422	Algebra	4	2	0	40	60	100	6
BNME1-423	Wave and Optics Lab.	0	0	4	60	40	100	2
BNME1-424	Transition Metal & Coordination Chemistry, States of matter & Chemical Kinetics Lab.	0	0	4	60	40	100	2
Total		12	4	8	280	320	600	20

**MRSPTU B.Sc. (NON-MEDICAL) STUDY SCHEME (SEM 1-6) 2018 BATCH
ONWARDS**

Semester 5 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BNME1-525	SEC-3	2	-	-	40	60	100	2
BNME1-526	DSE-1A	3	1	-	40	60	100	4
BNME1-527	DSE-2A	3	1	-	40	60	100	4
BNME1-528	DSE-3A	4	2	-	40	60	100	6
BNME1-529	DSE-1A Lab.	-	-	4	60	40	100	2
BNME1-530	DSE-2A Lab.	-	-	4	60	40	100	2
Total		12	4	8	280	320	600	20

Semester 6 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
BNME1-631	SEC-4	2	0	0	40	60	100	2
BNME1-632	DSE-1B	3	1	0	40	60	100	4
BNME1-633	DSE-2B	3	1	0	40	60	100	4
BNME1-634	DSE-3B	4	2	0	40	60	100	6
BNME1-635	DSE-1B Lab.	0	0	4	60	40	100	2
BNME1-636	DSE-2B Lab.	0	0	4	60	40	100	2
Total		12	4	8	280	320	600	20

Total Credits: 20 + 20 + 20 + 20 + 20 + 20 = 120

Skill Enhancement Course (02 Credit each): SEC-1 to SEC-4
(Choose any 4 subjects from Physics or Chemistry or Mathematics discipline)

Physics (Choose any four)

1. Physics Workshop Skills
2. Computational Physics Skills
3. Electrical circuit network Skills
4. Basic Instrumentation Skills
5. Renewable Energy and Energy harvesting
6. Mechanical Drawing
7. Radiology and Safety
8. Applied Optics
9. Weather Forecasting

Chemistry (Choose any four)

1. IT Skills for Chemists
2. Basic Analytical Chemistry
3. Chemical Technology & Society
4. Chemoinformatics
5. Business Skills for Chemists
6. Intellectual Property Rights
7. Analytical Clinical Biochemistry
8. Green Methods in Chemistry
9. Pharmaceutical Chemistry
10. Chemistry of Cosmetics & Perfumes
11. Pesticide Chemistry
12. Fuel Chemistry

Mathematics (Choose any four)

1. Logic and Sets
2. Analytical Geometry
3. Integral Calculus
4. Vector Calculus
5. Theory of Equations
6. Number Theory
7. Probability and Statistics
8. Mathematical Finance
9. Mathematical Modeling
10. Boolean Algebra
11. Transportation and Game Theory
12. Graph Theory

Discipline Specific Elective course (06 Credit each): DSE-1 to DES-3

Physics (Choose any two): DSE-1A & 1B

1. Digital, Analog and Instrumentation (4) + Lab (4)
2. Elements of Modern Physics (4) + Lab (4)
3. Mathematical Physics (4) + Lab (4)
4. Solid State Physics (4) + Lab (4)
5. Quantum Mechanics (4) + Lab (4)
6. Embedded System: Introduction to microcontroller (4) + Lab (4)
7. Nuclear and Particle Physics (5) + Tut (1)
8. Medical Physics (4) + Lab (4)
9. Dissertation (12)

Chemistry (Choose any two): DSE-2A & 1B

1. Applications of Computers in Chemistry (4) + Lab (4)
2. Analytical Methods in Chemistry (4) + Lab (4)
3. Molecular Modelling & Drug Design (4) + Lab (4)
4. Novel Inorganic Solids (4) + Lab (4)
5. Polymer Chemistry (4) + Lab (4)
6. Research Methodology for Chemistry (5) + Tutorials (1)
7. Green Chemistry (4) + Lab (4)
8. Industrial Chemicals & Environment (4) + Lab (4)
9. Inorganic Materials of Industrial Importance (4) + Lab (4)
10. Instrumental Methods of Analysis (4) + Lab (4)
11. Quantum Chemistry, Spectroscopy & Photochemistry (4) + Lab (4)
12. Organometallics, Bioinorganic chemistry, Polynuclear hydrocarbons and UV, IR Spectroscopy (4) + Lab (4)
13. Molecules of Life (4) + Lab (4)
14. Chemistry of Main Group Elements, Theories of Acids and Bases (4) + Lab (4)
15. Dissertation (12)

Mathematics (Choose any two): DSE-3A & 1B

1. Matrices (6)
2. Linear Algebra (6)
3. Numerical Methods (6)
4. Complex Analysis (6)
5. Linear Programming (6)
6. Dissertation (12)

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
MPHA8-101	Systemic Pharmacology- I	3	1	0	40	60	100	4
MPHA8-102	Clinical Research - I	3	1	0	40	60	100	4
MPHA8-103	Medicine – I	3	1	0	40	60	100	4
MPHA8-104	Seminar/Assignments	0	0	7	100	0	100	4
MPHA8-105	Information Technology & Communication and Management Lab.-I	0	0	8	60	40	100	4
Total		9	3	15	280	220	500	20

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
MPHA8-206	Systemic Pharmacology– II	3	1	0	40	60	100	4
MPHA8-207	Clinical Research - II	3	1	0	40	60	100	4
MPHA8-208	Medicine - II	2	2	0	40	60	100	4
MPHA8-209	Seminar/Assignments	0	0	7	100	0	100	4
MPHA8-210	Information Technology & Communication and Management Lab.-II	0	0	8	60	40	100	4
Total		8	4	15	280	220	500	20

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
MPHA8-311	Research Methodology & Biostatistics	3	1	0	40	60	100	4
MPHA8-312	Clinical Research - III	3	1	0	40	60	100	4
MPHA8-313	Research Work/Minor Project	0	0	14	100	0	100	7
MPHA8-314	Seminar/Assignments	0	0	7	100	0	100	4
MPHA8-315	Journal Club	0	0	2	100	0	100	1
Total		6	2	23	380	120	500	20

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Thesis Evaluation	Viva-Voce	Total	
MPHA8-416	Dissertation/Major Project	0	0	32	100	200	300	16
Total		0	0	32	100	200	300	16

The candidate can carry out Dissertation/Major Project work in-house/internally or outside/externally and shall submit a report which will be evaluated by external expert at the end of academic year.

Total Credits: 76

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
MCSE1-101	Information Management	3	1	0	40	60	100	4
MCSE1-102	Object Oriented Programming in C++	3	1	0	40	60	100	4
MCSE1-103	Computer Organization and Assembly Language	3	1	0	40	60	100	4
MCSE1-104	Operating System	3	1	0	40	60	100	4
MCSE1-105	Technical Communication	3	1	0	40	60	100	4
MCSE1-106	Software Lab. –I (Information Management)	0	0	4	60	40	100	2
MCSE1-107	Software Lab.–II (Object Oriented Programming in C++)	0	0	4	60	40	100	2
Open Elective-I (select any one)**		3	0	0	40	60	100	3
Total		18	05	08	360	440	800	27

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
MCSE1-208	Data Communication and Networks	3	1	0	40	60	100	4
MCSE1-209	Relational Database Management System	3	1	0	40	60	100	4
MCSE1-210	Data Structures	3	1	0	40	60	100	4
MCSE1-211	Web Technologies	3	1	0	40	60	100	4
MCSE1-212	Software Engineering	3	1	0	40	60	100	4
MCSE1-213	Software Lab.-III (Operating System)	0	0	4	60	40	100	2
MCSE1-214	Software Lab.-IV (Data Structures)	0	0	4	60	40	100	2
Open Elective-II (select any one)**		3	0	0	40	60	100	3
Total		18	05	08	360	440	800	27

**Open Elective: Student must choose open elective subject offered by other departments.

Semester 3 rd		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
MCSE1-315	Computer Graphics	3	1	0	40	60	100	4
MCSE1-316	Java Programming	3	1	0	40	60	100	4
MCSE1-317	Microprocessors & Microcontrollers	3	1	0	40	60	100	4
MCSE1-318	Data Warehousing & Mining	3	1	0	40	60	100	4
MCSE1-319	Software Lab.-V (Computer Graphics)	0	0	4	60	40	100	2
MCSE1-320	Software Lab.-VI (Java Programming)	0	0	4	60	40	100	2
Departmental Elective-I*		3	1	0	40	60	100	4
MCSE1-356	Information Security							
MCSE1-357	Big Data							
Total		15	05	08	320	380	700	24

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

Semester 4 th		Contact Hrs.			Marks			Credits
Subject Code	Subject	L	T	P	Internal	External	Total	
MCSE1-421	Advanced Java Programming	3	1	0	40	60	100	4
MCSE1-422	Theory of Computation	3	1	0	40	60	100	4
MCSE1-423	System Programming	3	1	0	40	60	100	4
MCSE1-424	Database Administration	3	1	0	40	60	100	4
MCSE1-425	Software Lab. -VII (Advanced Java Programming)	0	0	4	60	40	100	2
MCSE1-426	Software Lab. -VIII (Database Administration)	0	0	4	60	40	100	2
Departmental Elective-II*		3	1	0	40	60	100	4
MCSE1-458	Artificial Intelligence							
MCSE1-459	Multimedia Technologies							
Total		15	05	08	320	380	700	24

*Departmental Elective: Subject to the availability of teacher and minimum 10 students as per university guidelines.

Overall

Semester	Marks	Credits
1 st	800	27
2 nd	800	27
3 rd	700	24
4 th	700	24
Total	3000	102

MRSPTU

**MRSPTU SKILL CERTIFICATE COURSE IN COMPUTER HARDWARE AND
NETWORKING STUDY SCHEME 2018 BATCH ONWARDS**

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
CCSE1-101	Computer Applications & Hardware	3	1	0	40	60	100	4
CCSE1-102	Network TeCCSE1ologies	3	1	0	40	60	100	4
CCSE1-103	Analog Electronics	3	1	0	40	60	100	4
CCSE1-104	Digital Electronics & Microprocessor Logic Circuits and Design Principles Introduction	3	1	0	40	60	100	4
CCSE1-105	PC Hardware and Trouble Shooting of Electronics Devices	3	1	0	40	60	100	4
CCSE1-106	Practical-I	0	0	4	60	40	100	2
CCSE1-107	Practical-II	0	0	4	60	40	100	2
Total		15	05	08	320	380	700	24

MRSPTU

**MRSPTU SKILL CERTIFICATE COURSE IN COMPUTER PROFICIENCY-I STUDY
SCHEME 2018 BATCH ONWARDS**

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
CCSE2-101	Computer Fundamentals	3	1	0	40	60	100	4
CCSE2-102	Programing in C++	3	1	0	40	60	100	4
CCSE2-103	Computer Operating System	3	1	0	40	60	100	4
CCSE2-104	Relational Database Management System	3	1	0	40	60	100	4
CCSE2-105	Communication and Soft Skills	3	1	0	40	60	100	4
CCSE2-106	Computer Fundamental Lab	0	0	4	60	40	100	2
CCSE2-107	Programming in C++ Lab.	0	0	4	60	40	100	2
Total		15	05	08	320	380	700	24

MRSPTU

**MRSPTU SKILL CERTIFICATE COURSE IN COMPUTER PROFICIENCY-II STUDY
SCHEME 2018 BATCH ONWARDS**

**PRE-REQUISITE: MRSPTU SKILL CERTIFICATE COURSE IN COMPUTER
PROFICIENCY-II STUDY SCHEME 2018 BATCH ONWARDS**

Semester 1 st		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
CCSE3-101	Programming in JAVA	3	1	0	40	60	100	4
CCSE3-102	Web Technologies	3	1	0	40	60	100	4
CCSE3-103	Software Engineering	3	1	0	40	60	100	4
CCSE3-104	Data Communication and Networks	3	1	0	40	60	100	4
CCSE3-105	Computer Graphics	3	1	0	40	60	100	4
CCSE3-106	Java Lab.	0	0	4	60	40	100	2
CCSE3-107	Web Technology Lab.	0	0	4	60	40	100	2
Total		15	05	08	320	380	700	24

MRSPTU

**MRSPTU SKILL CERTIFICATE IN MEDICAL LABORATORY TECHNOLOGY
STUDY SCHEME 2018 BATCH ONWARDS**

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
CHUM0-101	English Communication	2	0	0	40	60	100	2
CMLT1-101	Basic Human Sciences	3	0	0	40	60	100	3
CMLT1-102	Pathology	3	0	0	40	60	100	3
CMLT1-103	Clinical Pathology	3	0	0	40	60	100	3
CMLT1-104	Healthcare Systems and Role of the Medical Laboratory Technician	3	0	0	40	60	100	3
CMLT1-105	Hygiene, Safety & First Aid	3	0	0	40	60	100	2
CMLT1-106	Basic Human Sciences Lab.	0	0	4	40	60	100	2
CMLT1-107	Pathology & Clinical Pathology Lab.	0	0	4	40	60	100	2
Total		17	0	8	320	480	800	20

Semester 2 nd		Contact Hrs.			Marks			Credits
Subject Code	Subject Name	L	T	P	Internal	External	Total	
CHUM0-202	Soft Skills and Communications	2	0	0	40	60	100	2
CMLT1-208	Clinical Biochemistry	3	0	0	40	60	100	3
CMLT1-209	Blood Banking	3	0	0	40	60	100	3
CMLT1-210	Analytical Testing Laboratory Processes	3	0	0	40	60	100	3
CMLT1-211	Documentation & Reporting	3	0	0	40	60	100	3
CMLT1-212	Advances and future trends in laboratory science	3	0	0	40	60	100	2
CMLT1-213	Clinical Biochemistry Lab	0	0	4	40	60	100	2
CMLT1-214	Analytical Testing Laboratory Processes Lab	0	0	4	40	60	100	2
Total		17	0	8	320	480	800	20

Total Credits: 20 + 20 = 40

ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਬਠਿੰਡਾ
MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

(Estb. under Act 5 (2015) of Punjab Govt. & under section 2(f) & 12(b) of the UGC Act at SNo 428)

Dabwali Road, Bathinda (Punjab) -151 001

DRD/MRSPTU.

Dated:.....

PROVISIONAL Ph.D. REGISTRATION ORDER

On successful completion of allocated Ph.D. course work and subsequent acceptance of presented Research Proposal and recommendations by DDRC, in its meeting held on 01.12.2017, **Mr Bharat Khurana**, enrolled w.e.f. 31.08.2016 vide DRD/MRSPTU/187 dt 12.09.2016, stands provisionally Registered to Part-Time Ph.D. program of MRSPTU, Bathinda under the **FACULTY OF PHARMACY** w.e.f. 25.01.2018. The Ph.D. registration number allocated to the candidate is **16201MPE02**. His research work shall be focused on **“Design and Development of Novel Drug Delivery Systems of Resveratrol for Treatment of Psoriasis”** under the supervision of Dr Raj Kumar Narang (S202M73005), Professor, ISF College of Pharmacy, Moga.

This order is issued with the approval of competent authority.

Dean (R&D)
(Dr Savina Bansal)

Endst No: DRD/MRSPTU/.525.(2)

Dated:..12-2-18...

Cc: For information, records and further necessary action, as applicable. (Discrepancy, if any, be intimated immediately for rectification)

1. PA to Vice-Chancellor for kind information of the VC
2. ✓ Dean Academic Affair, MRSPTU, Bathinda
3. Registrar, MRSPTU, Bathinda
4. CoE, MRSPTU Bathinda
5. Dean (Student Welfare), MRSPTU, Bathinda
6. Campus Director, GZSCCET, Bathinda
7. Librarian, GZSCCET, MRSPTU
8. HoD (Pharmacy), MRSPTU, Bathinda
9. Supervisor (Dr. Raj Kumar Narang)
10. Candidate (Mr. Bharat Khurana)
11. Candidate's Master File
12. AR(Accounts), MRSPTU

Dean (R&D)
MRSPTU, Bathinda
(Dr Savina Bansal)
R&D

ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ, ਬਠਿੰਡਾ
MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY, BATHINDA

(Estb. under Act 5 (2015) of Punjab Govt. & under section 2(f) & 12(b) of the UGC Act at SNo 428)

Dabwali Road, Bathinda (Punjab) -151 001

DRD/MRSPTU.

Dated:.....

PROVISIONAL Ph.D. REGISTRATION ORDER

On successful completion of allocated Ph.D. course work and subsequent acceptance of presented Research Proposal and recommendations by DDRC, in its meeting held on 01.12.2017, **Mr Rohit Bhatia**, enrolled w.e.f. 31.08.2016 vide DRD/MRSPTU/186 dt 12.09.2016, stands provisionally Registered to Part-Time Ph.D. program of MRSPTU, Bathinda under the **FACULTY OF PHARMACY** w.e.f. 25.01.2018. The Ph.D. registration number allocated to the candidate is **16201MPE01**. His research work shall be focused on **“Design Synthesis and Evaluation of Coumarin Fused/Tethered Nitrogen Containing Heterocycles as Anticancer Agents”** under the supervision of Dr Ravindra K. Rawal (S202M76004), Professor, ISF College of Pharmacy, Moga.

This order is issued with the approval of competent authority.

Dean (R&D)
(Dr Savina Bansal)

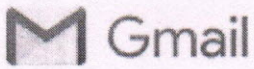
Endst No: DRD/MRSPTU/..524(2)..

Dated:..12-2-18.....

Cc: For information, records and further necessary action, as applicable. (Discrepancy, if any, be intimated immediately for rectification)

1. PA to Vice-Chancellor for kind information of the VC
2. ✓ Dean Academic Affair, MRSPTU, Bathinda
3. Registrar, MRSPTU, Bathinda
4. CoE, MRSPTU Bathinda
5. Dean (Student Welfare), MRSPTU, Bathinda
6. HoD (Pharmacy), MRSPTU, Bathinda
7. Campus Director, GZSCCET, Bathinda
8. Librarian, GZSCCET, MRSPTU
9. Supervisor (Dr. Ravindra K. Rawal)
10. Candidate (Mr. Rohit Bhatia)
11. Candidate's Master File
12. AR(Accounts), MRSPTU

Dean (R&D)
MRSPTU, Bathinda
(Dr Savina Bansal)
R&D



daa mrsstu <daa.mrsstu@gmail.com>

Request for Agenda item for Academic Council Meeting Regarding Ph D Eligibility Conditions.

1 message

s kansal <skansal2k1@yahoo.com>
Reply-To: s kansal <skansal2k1@yahoo.com>
To: Daa Mrsstu <daa.mrsstu@gmail.com>
Cc: Dean R&D <drd@mrsstu.ac.in>

Sun, Feb 18, 2018 at 7:58 PM

Respected sir/ Madam,

sub: Request for Agenda item for academic council meeting Regarding Ph D Eligibility Conditions.

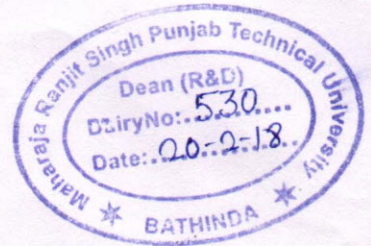
In order to encourage and improve admissions in Ph D programme of the university, It is submitted that the Eligibility Conditions for admission to Ph D course in university may be relaxed

- A i) by removing the negative marking
- B ii) by lowering the pass %age to 40% instead of existing 50% in the test conducted by MRSPTU bathinda for Ph D admissions.

Regards

Prof. (Dr.) SANDEEP KANSAL

Prof. & Head,
Deptt. of Applied Physics,
GZSCCET Bathinda
MRSPTU Bathinda
Mob: 8725-072490, 9872-000814
e mail: skansal@mrsptu.ac.in, skansal2k1@yahoo.com



Use Soft Copies to Save Paper, Every 3000 Sheets of A4 size Eats a TREE – Print, only if required

Pl. advise
Jushu
19/2/18

not necessary

'A' may be taken up in standing Academic council meeting
'B' not permissible as per UGC.
DAA, MRSPTU.
19/2/18

Dean (R&D) to call a meeting of NODs and convenor to discuss the issue. of stand basis per UGC guidelines



ਮਹਾਰਾਜਾ ਰਣਜੀਤ ਸਿੰਘ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਬਠਿੰਡਾ।

Subject: Clarification Regarding Norms for Land Requirement and Built Up Area Requirements for the Technical Institutions Starting other Educational Courses (Technical/Non-Technical)

AICTE, New Delhi has given clarification regarding starting of other educational courses/non-technical institutions in existing AICTE Technical Colleges in their Approval Process Handbook, clause no. 4.1 (copy attached). The clarification given is reproduced as under :-

"Starting other educational Course(s)/ Institutions (Technical/ Non-Technical) in the surplus Land arising out of prevailing/ reduced norms of Land requirement is permissible. Further such surplus Land can be used as per the Land use Certificate given to the Trust/ Society/ Company by the concerned authority subject to such Course(s)/ Institutions having their own facilities to conduct such Programmes without sharing the essential facilities, such as Classroom, Laboratory etc. with the already approved Technical Institution. However, Common Amenities such as Canteen, Auditorium, Playground, Parking, etc. may be shared provided it caters to all the students of all the Programmes."

Keeping the above in view, existing Technical Institutions Affiliated with the University willing to start new Non-AICTE Courses may be allowed to start the course in the same campus provided it fulfills all the norms/regulations regarding the infrastructure/faculty and other norms of the University/ Statutory Body, without sharing the essential facilities, such as Classroom, Laboratory etc. with the already approved Technical Institution. However, Common Amenities such as Canteen, Auditorium, Playground, Parking, etc. may be shared provided it caters to all the students of all the Programmes.

Submitted for your kind consideration and approval, please.

MD
19/2/2018
Director
College Development Council

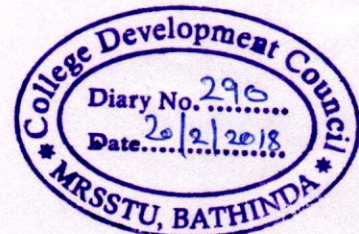


Singh
19/2/18
Registrar

[Signature]
Vice Chancellor

To be put up before
MD
20/2/18

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be utilized for sporting infrastructure/ Hostel/ Staff accommodation and related educational activities of the Institution.

Considering hilly nature of land in North Eastern States and the hilly regions of States like Himachal Pradesh, Uttarakhand and Jammu and Kashmir, land shall be made available in 3 pieces which are not away from each other by more than 2 Km

Note:

- a. Starting other educational Courses/ Institutions (Technical/ Non-Technical) in the surplus land arising out of prevailing/ reduced norms of land requirement is permissible. Further such surplus land can be used as per the land use Certificate given to the Trust/ Society/ Company by the concerned authority subject to such Courses/ institutions having their own facilities to conduct such Programmes without sharing the essential facilities, such as class room, laboratory etc. with the already approved Technical Institution. However, Common amenities such as Canteen, Auditorium, Playground, Parking, etc. may be shared provided it caters to all the students of all the Programmes.
- b. Diploma and Degree Pharmacy Programmes shall be permitted to run in the same Institution, provided the requirement of the land and built-up area of each Programmes are met.
- c. For an Institution established prior to 1994, the land requirement should be fulfilled as per the norms existed thereon for the Programmes/ Courses/ divisions applied. In case of any deviation from those norms, the institution has to adhere to the existing norms at the time of seeking Extension of Approval.
- d. For an Institution established after 1994, the land requirement should be fulfilled as per the AICTE norms existing at the time of establishment of the Institution for the Programmes/ Courses/ divisions applied thereon. In case of any deviation from those norms, the institution has to adhere to the existing norms at the time of seeking Extension of Approval.
- e. If the Institution (c or d) had been given approval for more Programmes/ Courses/ divisions later, the land requirements as per the corresponding AICTE norms should be fulfilled. Annexure 7 gives Land Requirements as per AICTE norms during the previous years.

4.2 Minimum Built-up Area Requirements

Although the Institution shall be applying for the first year, the proposal for the Building(s) and the plans are required to be submitted as under:

- a. Institution is required to submit the approved and sanctioned Building Plans from the Competent Authority considering the Total built-up area as required to run the Programme and the Divisions/ Departments for the entire duration of the Course.
- b. Institution is required to submit an Occupancy/ Completion Certificate (as applicable) from the Competent Authority clearly stating that the Building(s) is/ are fully developed and ready in all respects for the intended use considering the Total Area as required to run the Programme and the Divisions/ Departments for the First year of the Course. Partial Occupancy Certificate for conducting First year classes is mandatory.

Land area required in Urban shall be 2.5 Acre which can be in a maximum of TWO plots. The academic, Instructional, Administrative and Amenities area shall be in one plot not less than 1.5 Acre. The distance between the plots shall not exceed 2 km. The remaining Land shall only be utilized for sporting Infrastructure/ Hostel/ Staff accommodation and related educational activities of the Institution.

Considering hilly nature of Land in North Eastern States and the hilly regions of States such as Himachal Pradesh, Uttarakhand and Jammu and Kashmir, Land shall be made available in 3 pieces which are not away from each other by more than 2 Km.

Note:

- a. Starting other educational Course(s)/ Institutions (Technical/ Non-Technical) in the surplus Land arising out of prevailing/ reduced norms of Land requirement is permissible. Further such surplus Land can be used as per the land use Certificate given to the Trust/ Society/ Company by the concerned authority subject to such Course(s)/ Institutions having their own facilities to conduct such Programmes without sharing the essential facilities, such as Classroom, Laboratory etc. with the already approved Technical Institution. However, Common Amenities such as Canteen, Auditorium, Playground, Parking, etc. may be shared provided it caters to all the students of all the Programmes.
- b. Diploma and Degree Pharmacy Programme shall be permitted to run in the same Institution with the same Land area.
- c. For an Institution established prior to 1994, the Land requirement should be fulfilled as per the norms existed thereon for the Programme(s)/ Course(s)/ Divisions applied. In case of any deviation from those norms, the Institution has to adhere to the existing norms at the time of seeking Extension of Approval.
- d. For an Institution established after 1994, the Land requirement should be fulfilled as per the AICTE norms existing at the time of establishment of the Institution for the Programme(s)/ Course(s)/ Divisions applied thereon. In case of any deviation from those norms, the Institution has to adhere to the existing norms at the time of seeking Extension of Approval.
- e. If the Institution (c or d) had been given approval for more Programme(s)/ Course(s)/ Divisions later, the Land requirements as per the corresponding AICTE norms should be fulfilled. Annexure 9 of Approval Process Handbook 2018-19 gives Land Requirements as per AICTE norms during the previous years.

4.2 Minimum Built-up Area Requirements & Extent of

Although the Institution shall be applying for the First Year, the proposal for the Building(s) and the Plans are required to be submitted as under:

- a. Institution is required to submit the approved and sanctioned Building Plans from the Competent Authority considering the Total Built-up area as required to run the Programme(s) and the Division(s)/ Department(s) for the entire duration of the Course.
- b. Institution is required to submit an Occupancy/ Completion Certificate (as applicable) from the Competent Authority clearly stating that the Building(s) is/ are fully developed and ready in all respects for the intended use considering the Total Area as required to run the Programme and the Divisions/ Departments for the First year of the Course. Partial Occupancy Certificate for conducting First Year Classes is mandatory.
- c. The Institution area is divided in, Instructional area (INA, carpet area in m^2), Administrative area (ADA, carpet area in m^2), Amenities area (AMA, carpet area in m^2).
- d. Access and Circulation Area (ACA) is around 25% of Built-up Area.