



AGENDA

**45th Academic Council Meeting
(29th June, 2015)**



I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY
JALANDHAR-KAPURTHALA HIGHWAY

AGENDA POINTS FOR 45th MEETING OF ACADEMIC COUNCIL SCHEDULED TO BE HELD ON 29 JUNE 2015 AT 12:30 PM AT IKG-PTU CAMPUS MOHALI

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AGENDA POINTS FOR 45th MEETING OF ACADEMIC COUNCIL SCHEDULED TO BE HELD ON 29th JUNE 2015 AT 12:30 PM AT IKG-PTU CAMPUS MOHALI.

A. STATUTORY AGENDA

45.01 To confirm the minutes of 44th Academic Council meeting held on 09th June, 2014.

Minutes of 44th Academic Council meeting held on 09th June, 2014 were circulated to all members and are enclosed at **Annexure – I**. No comments were received.

The item is placed before the Academic Council for its confirmation.

45.02 Action Taken Report (ATR) of the 44th Academic Council Meeting.

The action taken report on the 44th meeting of the Academic council is enclosed as **Annexure – II**.

The item is placed before the Academic Council for information.

45.03 Award of Ph.D.

On the recommendations of the RDC the following candidates have completed the requirement for award of Ph.D. degree.

S. No	Registrati on No.	Date of Viva-voce	Name	F Name	Branch	Title of Thesis
1.	14.19.04	08-01-15	Harsimarjeet Khurana	A.P.S. Bedi	Computer Science & Engineering	DEVELOPMENT AND IMPLEMENTATION OF NEW PAIRING TECHNIQUE FOR STUDYING THE EFFECTIVENESS OF PAIRS ON PERSONA AND PROGRAMMING CODE.
2.	11.67.09	12-01-15	Sukhwinder Kaur	Kuldeep Singh	Management	PERFORMANCE OF MUTUAL FUNDS IN INDIA.
3.	1111017	15-01-15	Ruchika Bagga	Harjinder Bagga	Physics	RARE EARTH DOPED GLASSES AND GLASS CERAMICS:OPTICAL & PHYSICAL CHARACTERIZATION
4.	01.28.09	19-01-15	Harpreet Gaba	S. Gurbax Singh Gaba	Civil Engineering	STRUCTURAL HEALTH MONITORING AND RETROFITTING OF RCC RECTANGULAR SLABS
5.	02.38.09	23-01-15	Kanika Sharma	Lok Nath Sharma	Electronics and Communication Engineering	MEDIUM ACCESS CONTROL AND ROUTING BASED LIFETIME ENHANCEMENT FOR WIRELESS SENSOR NETWORKS
6.	11.94.09	06-02-15	Parul Khanna	Rajesh Kumar Bhandari	Management	MANAGING NON PERFORMING ASSETS OF COMMERCIAL BANKS IN COMPETITIVE ERA.
7.	14.34.08	16-02-15	Amit Sharma	Subhash Sharma	Computer Science & Engineering	A DYNAMIC INTRUDER ANALYSER FOR INTRUSION DETECTION SYSTEM.
8.	01.21.08	13-04-15	Neeru Bansal	Sh. Harmesh Kumar Bansal	Civil Engineering	INVESTIGATION OF SFRC CORNERS UNDER OPENING BENDING MOMENT
9.	11.96.09	20-04-15	Sushendra Kumar Misra	Sh. V. D. Mishra	Management	A STUDY OF FACTORS AFFECTING ADOPTION OF INTERNATIONAL FINANCIAL REPORTING STANDARDS IN INDIA
10.	02.46.09	23-04-15	Neeru Malhotra	Sh. Chaman Lal Kochher	Electronics & Communication Engineering	FINITE DIFFERENCE & HIERARCHICAL FINITE ELEMENT BASED FORMULATION OF ELECTROMAGNETIC APPLICATORS

11.	1011010	27-04-15	Vikas Duggal	Sh. Ajay Kumar	Physics	ASSESSMENT OF RADIOLOGICAL RISK DUE TO NATURAL RADIONUCLIDES IN THE ENVIRONS OF NORTHERN RAJASTHAN
12.	11.68.09	05-05-15	Harwinder Pal Kaur	S. Balvir Singh	Management	COMMODITY TRADING IN AGRICULTURE PRODUCTS
13.	05.40.08	11-05-15	Harish Kumar	Sh. Bhasker Datt	Mechanical Engineering	STUDIES IN SURFACE MODIFICATION WITH MAGNETICALLY ASSISTED STAINLESS STEEL PINS
14.	1106010	14-05-15	Jagdeep Singh	Santokh Singh	Mechanical Engineering	A STUDY TO IMPROVE THE PERFORMANCE OF SMALL MEDIUM ENTERPRISES USING CONTINUOUS IMPROVEMENT STRATEGIES
15.	1006023	20-05-15	Amit Handa	Sh. Tilak Raj Handa	Mechanical Engineering	STUDIES OF MECHANICAL PROPERTIES AND HOT CORROSION BEHAVIOUR OF FRICTION WELDED DISSIMILAR STEELS
16.	1003003	21-05-15	Harish Kundra	Kashmir Chand Kundra	Computer Science and Engineering	ESTIMATION OF NATURAL TERRAIN CLASSIFICATION- A NATURAL COMPUTING APPROACH
17.	02.50.10	05-06-15	Monish Gupta	Sh. Pawan Kumar	Electronics & Communication Engineering	MODELLING OF METAMATERIALS FOR RADIO AND MICROWAVE FREQUENCY APPLICATIONS
18.	17.14.09	19-06-15	Akshay Girdhar	Sh. Ranjit Lal Girdhar	Computer Science and Engineering	INVESTIGATIONS OF PRE-PROCESSING TECHNIQUES FOR MEDICAL ULTRASOUND IMAGES

The matter is placed before the Academic Council for its recommendations to the BOG for the approval to award degrees.

B. INFORMATION AGENDA

45.04 To inform about change of name of University to I.K. Gujral Punjab Technical University and establishment of new University MRSSTU, Bathinda

The Government of Punjab has changed the name of the Punjab Technical University to I.K. Gujral Punjab Technical University which has already been notified by PTU vide Notification No PTU/Reg/559-580 dt. 20.05.2015 (Copy attached as **Annexure - III**)

A new University has also been established by the Govt. of Punjab vide Ordinance No. 4 of 2014 dated 15 Dec, 2014 the colleges falling in the Districts Bathinda, Barnala, Faridkot, Fatehgarh Sahib, Fazilka, Ferozepur, Mansa, Moga, Shri Muktsar Sahib, Patiala, Sangrur are being transferred to the new established University.

The item is placed before the council for information.

C. AGENDA FOR DISCUSSION & RECOMMENDATIONS

45.05 To ratify Academic Calendar for session 2015-16.

The Academic Calendar for the session 2015-16 is placed at **Annexure - IV**.

The item is placed before the council for ratification.

45.06 To approve Pre-requisite for Aeronautical Engg.

The BOS Aeronautical Engineering has given recommendations that there is no pre-requisite subject for admission to 4th semester i.e Lateral Entry to B. Tech. Aeronautical Engg.

The item is placed before the council for approval.

45.07 Relaxation to the deaf and dumb students from appearing in theory examination for the B.Sc. courses in Fashion Design and Textile Design being conducted by NIIFT, Mohali

A proposal has been received from NIIFT regarding granting of relaxation to the deaf and dumb students from appearing in theory examination for the B.Sc. courses in Fashion Design and Textile Design being conducted by NIIFT, Mohali

The college has attached Minutes of the meeting of Faculty of Design and Fine Arts of Punjab University, Chandigarh regarding the same.

The item is placed before the council for discussion and approval.

45.08 Approval for counting the duration of Ph. D. from the date of approval of Ph.D. synopsis instead from the date of enrollment for Ph. D.

There are a number of students who could not complete their PhD thesis in maximum duration of 8 year due to various reasons such as delay in approval of the PhD synopsis from Research degree committee RDC, administrative delays and other personal reasons of the students. Maximum duration for completion of PhD degree after all delay condons from Vice Chancellor is 8 years. However, some of the students have crossed their limit of 8 years due to delay in approving their PhD synopsis from RDC and Administrative delays. Therefore, to protect the interest of PhD students following changes are proposed:

Existing Regulations	Proposed Changes
Maximum duration of PhD degree is 5 years with further extension from Vice Chancellor maximum limit is 8 years	<p>If there is delay of more two years in approval of PhD synopsis due to</p> <ol style="list-style-type: none"> 1) delay in receipt of evaluation report from subject experts. 2) Administrative delays in conducting RDC meeting. The duration of PhD degree may be counted from the date of approval of PhD synopsis by RDC. <p>However, if candidate wishes to submit his/her thesis early and do not wishes to avail the benefit of this extension he/she can do so after a gap of one year from the date of synopsis approval.</p>

The above proposed option will benefit students enrolled prior to 2010. Proposed change in the guidelines may be incorporated in new PhD guidelines and may be made effective for all Phd Students.

The item is placed before the Council for approval.

45.09 To approve the minutes of various Board of Studies

The meetings of the various Board of Studies were held and the following syllabus were reviewed and available at PTU website. Minutes are placed at **Annexure – V.**

1) BOS Management/Commerce/Business Economics.

- Scheme and Syllabus of 1st & 2nd Semester of B.Sc Business Economics, Batch 2014 was finalized.
- Scheme and Syllabus of 1st & 2nd Semester of Bachelor of E-commerce, Batch 2014 was finalized.
- Scheme and Syllabus of 1st & 2nd Semester of BBA (RM), Batch 2014 was finalized.
- Scheme of 1st – 6th Semester and syllabus of 1st-2nd semester of Bachelor of Service Industry Management, Batch 2014 was finalized.
- In view of the change of the pattern of question papers has been revised from 2013 it is advised by the BOS that question papers of December 13 and June 14 sessions should be uploaded on the website for the ease of students.
- Scheme and Syllabus of 1st & 2nd Semester of BRDM, Batch 2014 was finalized.
- BOS is of the view that all courses of Management/Commerce/Economics being professional courses, the scheme and syllabus has been so arranged so that the knowledge is expanded from basic to advanced semester wise. Therefore, 2nd semester cannot be studied directly without studying 1st semester. Hence, BOS is of the opinion that from session 2015-16 onwards direct admissions to 2nd semester should be made but colleges may start separate batches in January Session.
- Scheme of 1st – 4th Semester and syllabus of 1st semester of Regular MBA, Batch 2015 was finalized. The name proposed by PTU Nalanda for the course if MBA(Hons.). The same is sent to Dean Academics for approval.
- In following courses the suggested nomenclature to be changed is as follows:
 - BRDM: BBA (RDM)
 - Bachelor of Service Industry Management: BBA(SIM)
 - Bachelor of E-commerce: BBA (E-commerce)/B.COM (E-commerce)

2) BOS Food Technology Framed new syllabus

- 1) B.Sc. Food Technology Batch 2014, Semester 1st to 2nd
- 2) B.Tech Food Technology, Batch 2014, semester upto 4th

3) BOS Agricultural framed new syllabus

- 1) B.Sc. Agricultural, Batch 2014 upto 4th semester

4) BOS Chemical Engg.

- 1) Framed new syllabus of B.Tech Petrochem & Petroleum Refinery Engg (3-5 Sem) Batch 2013
- 2) Revised the syllabus of M.Tech Chemical Engineering Batch 2014, Batch 2015

5) BOS Human Value & Professional Ethics

- Copy attached.

6) BOS Journalism & Mass Communication

- 1) MoM dated 23/06/2015 is attached.
- 2) MoM dated 13/03/2015 is attached.
- 3) Master of Mass communication and Media Management Batch 2015
- 4) B.Sc. (Media entertainment and Film Technology) Batch 2015
- 5) M.Sc. (Journalism & Mass Communication) Batch 2015
- 6) B.Sc. Journalism & Mass Communication, Batch 2015
- 7) M.A. Journalism & Mass Communication, Batch 2015
- 8) B.A. Journalism & Mass Communication, Batch 2015
- 9) M.Sc. Mass Communication, Batch 2015 (PITK)
- 10) M.Phil Journalism & Mass Communication, Batch 2015 (PITK)
- 11) Eligibility of M.Sc. and B.Sc. (Journalism & Mass Communication)

7) BOS Computer Science Engg

- 1) B.Tech 3D Animation & Graphics Engineering, Batch 2012 upto 6th semester
- 2) M.Sc. (IT), Sem 1 to 4, Batch 2015
- 3) B.Sc. (IT), Sem 1 to 6, Batch 2015
- 4) M.Sc. (CS), Sem 3 to 4, Batch 2013
- 5) B.Sc (CS), Sem 5th to 6, Batch 2013
- 6) M.Tech CSE Batch 2015, 1st semester
- 7) BMCI Batch 2014, upto 5th semester
- 8) MCA Batch 2015 1st to 6th sem

8) BOS Marine Engg.

- 1) B.Tech Marine Engg Batch 2013 semester 1st to 5th

9) BOS ECE

- 1) B.Tech ETE, Sem 7 to 8, Batch 2011
- 2) B.Tech Electronics Engg (7-8 sem) Batch 2012

10) BOS Clinical Research

- 1) M.Sc. Clinical Research Batch 2014
- 2) Advance Diploma in Clinical Research Batch 2014
- 3) Diploma in Clinical Research Batch 2014
- 4) Question Paper Pattern of above courses.

11) BOS Pharmacy

- 1) MoM dated 13/04/2015 attached.

12) Syllabus of M.Tech. (Transportation Engineering) and M.Arch. running at PIT, Mohali

The item is placed before the Council for approval.

45.10 To approve the Academic Regulations for B. Tech. (Part-time)

Bachelor of Technology (Part-time)/ Bachelor of Engineering Courses have been approved in some of the colleges under PTU by AICTE.

A committee was constituted to propose the Academic Regulations for Bachelor of Technology (Part-time)/ Bachelor of Engineering Courses. The proposed Academic Regulations for Bachelor of Technology (Part-time)/ Bachelor of Engineering Courses are placed at **Annexure – VI**.

The item is placed before the Council for ratification.

45.11. Credit Based System

The University is introducing Credit Based System for batch 2015-16 onwards. A committee was constituted regarding the same. Recommendations of the committee were discussed in the previous meeting and Dean (Academics) informed that as per the existing system internal and external will continue and only marks will be converted to credits as per the syllabus and the same shall be implemented from 2014-15 batch of admission onwards.

The suggestions / comments were received from various members/academicians. This scheme shall be applicable from the new batch starting from academic session 2015-16.

The final Credit Based System formation is placed at **Annexure –VII**.

The item is placed before the council for approval.

45.12. Revision of Eligibility for MCA (LE), BCA/B.Sc.(IT)/BAMT (LE), M.Sc. IT (LE) and B.Sc. CS (1st Yr)

S.No.	Course	Existing Eligibility	Revised Eligibility
1	MCA (LE)	Recognized Bachelor Degree of minimum 3 yrs duration in BCA, B.Sc (IT/ Computer Science) with Mathematics as a course at 10+2 level or at Graduate Level and have obtained at least 50% (45% in case of candidate belonging to reserved category) at the qualifying Examination	1. Graduation in any stream with 1 year PGDCA/PGDIT or Equivalent (from a recognized university) with mathematics as a course at 10 + 2 level or at a graduation level). Or 2. Bachelors degree in BCA, B Sc. (IT/Computer Science) (from a recognized university) with mathematics as a course at 10 + 2 level or at a graduation level. Or 3. B Tech. in CSE/ IT (or equivalent). or 4. M Sc. IT/ CS with mathematics as a course at 10 + 2 level or at a graduation or PG level.

46.14 To introduce Cyber Security/ Information Security as a subject at UG/PG level.

UGC vide D.O. No. 14-7/2009 (CPP-II) dated 16 January 2013 has forward the following recommendations of the Task Force on National Security System

"UGC and AICTE would ensure that Cyber Security / Information Security is introduced as a subject in the Universities / technical institutions at the under-graduate and post-graduate level."

Accordingly, the University has prepared the syllabus for the same and is placed at **Annexure –IX.**

The item is placed before the council for discussion and approval.

46.15 Pre-requisite

The revised pre-requisites have been notified vide Notification No. PTU/Reg/Notification/558 dated 18/03/2015 regarding pre requisite and is placed at **Annexure-X.**

The item is placed before the Council for ratification.

45.16 Any other item with the permission of the Vice-Chancellor.



MINUTES OF 44th MEETING OF ACADEMIC COUNCIL HELD ON 09th JUNE, 2014 AT 11:00 AM IN CONFERENCE ROOM, PUNJAB TECHNICAL UNIVERSITY, JALANDHAR – KAPURTHALA HIGHWAY

A. STATUTORY AGENDA

44.01 To confirm the minutes of 43rd Academic Council meeting held on 04th March, 2014

The Council confirmed minutes of 43rd Academic Council held on 04th March, 2014.

44.02 Action Taken Report (ATR) of the 43rd Academic Council Meeting.

Council noted the action taken report on the 43rd meeting of the Academic council

B. INFORMATION AGENDA

44.03 Starting of two new self-financed courses at GZS – PTU Campus.

Dean (Academics) informed the council that the GZS-PTU Bathinda is going to start two new course (self-financed) as per details given below :

Course	Branch	Intake	Remarks
B. Tech.	Mechanical Engg.	30	On self finance
B. Tech.	Civil Engg.	30	On self finance

It was also informed that fee structure for these courses is different from the normal fee structure.

The council noted the same.

C. AGENDA FOR DISCUSSION & RECOMMENDATIONS

44.04 Starting of M. Tech. (Electronics System Design and control at PIT, Rajpura

Council approved starting of M.Tech in ELECTRONICS SYSTEM DESIGN AND CONTROL with intake of 18 students from July 2014 at Punjab Institute of Technology, Rajpura (PIT-R)

2/mv
15/06/14 *to E*

44.05 Revision of fee structure Non-AICTE courses (except tuition fee)

Dean (Academics) informed that the fee structure of AICTE courses has already been revised. The committee constituted for revision of fee structure of non-AICTE courses (except tuition fee) has revised the fee structure on the pattern of AICTE. The revised fee is as under :

Sl.No.	Present charges	Revised
1.	8100/-	10700/-
2.	11100/-	14700/-

The revised increase in fee shall be applicable to the batched admitted from session 2014-15 onwards.

The council approved the same.

44.06 To ratify Academic Calendar for session 2014-15.

Dean (Academics) informed the Council that the Academic Calendar for the session 2014-15 as approved by the competent authority has been prepared and uploaded on the website. The council ratified the same.

44.07 Credit Based system

Dean (Academics) informed the council that the University is planning to introduce Credit Based System for batch 2014-15 onwards. A committee was constituted regarding the same.

Dean (Academics) informed that as per the existing system internal and externals will continue only marks will be converted to credits as per the syllabus and the same shall be implemented from 2014-15 batch of admission onwards. The credit based scheme will be uploaded on PTU website as well forwarded through email to all the Principals and Academic Council members for suggestions / comments. This scheme is applicable from the new batch starting from academic session 2014-15.

44.08 Centralized Counselling.

It was informed that the government of Punjab has notified admission to the B. Tech. / B. Pharm and B. Arch. Courses through Centralized Online Counselling to be conducted by the PTU for PTU, PAU, Ludhiana and Punjabi University, Patiala

The Counseling fee deposition has already been started. The detailed counseling schedule has been revised and the same shall uploaded on the website soon.

This year the students will be allowed to fill their choices only once.

44.09 Re-constitution of Board of studies

The council approved the constitution of following Board of studies as proposed with slight changes:

1. Electrical Engineering / Electronics and Instrumentation Engineering

Handwritten signature and date 15/06/15

2. Chemical Engineering
3. Training and General Fitness
4. Textile Engineering
5. Pharmacy
6. Hotel Management / Service Industry / Airlines Tourism and Hospitality
7. Biotechnology Engineering and Sciences
8. Architecture / Planning / Interior Designing
9. Journalism & Mass Communication
10. Fashion Technology
11. Applied Mathematics
12. Food Technology
13. Applied Chemistry
14. Humanities & Management / Communication Skills
15. Applied Physics / Material Science/ Nano science & Tech
16. Aeronautical Engineering/ Aerospace Engg
17. Human Values & Professional Ethics
18. Foreign Language
19. Agricultural
20. Marine Engineering
21. Medical Laboratory Sciences
22. Clinical Research / Radiology / Speech Therapy & Audiology
23. Civil Engineering / Environmental Science / Mining Engineering
24. Electronics and Communication Engineering/ Electronics and Electrical Engineering
25. Mechanical Engineering/ Production Engineering/ Industrial Engineering/ Automobile Engineering/Automotive Technology/ Automation & Robotics Engineering/Tool Engg.
26. Computer Engg. /Information Technology / Animation and Multimedia Technology/ Computer Applications
27. Management / Commerce/ Business

44.10 Establishment of new Colleges/ Starting of new courses during session 2014-15

It was informed that the final approval for AICTE course will be given by the AICTE and notified by the Punjab Govt. University had invited application to save the time so that approval can be given immediately after the notification made by the Punjab Govt.

Establishment of new non-AICTE colleges / variation in intake of Non-AICTE Courses is under process.

44.11 Formulation of Migration rules and guidelines for Ph. D Programme.

It was informed that at present in the PTU system there are no rule for migration of PhD Students due to which students are facing problem for migration to other Universities even due to valid reasons.

The Council for approved the migration rules as proposed.

44.12 Items received from the different colleges

The decision regarding the items as received from different colleges is placed at Annexure -I.

44.13. Any other item with the permission of the Vice-Chancellor.

3/22
16/06/14

SUPPLIMENTARY AGENDA

S-44.01 Award of Ph.D.

The council recommended the following candidates to BOG for the award of Ph.D. Degree :

S. No	Registration No.	Name	F Name	College/Institute	Specialization	Title of Thesis
1	11.33.05	Jasnoor Kaur	Sh. Dharamjit Singh	PCTE Baddowal, Ludhiana, Punjab 142021	Management	A Study on Emerging Trends in Retailing in Northern India
2	02.29.08	Avtar Singh Bhuttar	S. Bachan Singh	PITK, PTU Main Campus	ECE	Computational Intelligent Techniques for Optimization of Frequency assignment Problem in Cellular System

Meeting ended with a vote of thanks to the Chair

[Signature]
16/06/14
**Registrar-cum-
Member Secretary**

Annexure - I

Sr. no	College name	Agenda items	Remakes
1	SBSSTC, Ferozepur - 152004 PUNJAB	<p>This is in reference to your letter Ref. No.PTU/DA/282 dated 20/05/2014 for the subject cited.</p> <p>Please consider the following items in the 44th Academic Council Meeting:</p> <ol style="list-style-type: none"> 1. There is need of clear cut guide lines about migration of the students. Is it right of the student? PTU has done migration of student directly even the student has not given any request to the institute. PTU does migration beyond 3rd semester also. 2. Evaluation rate of answer sheet of final PTU examination should be Rs. 25/- per answer sheet. 3. Full examination fee goes to PTU and whole examination work is done by institutes. It affect teaching as teachers are engaged in this work. The faculty/institute made responsible for any kind of mistake in filling of examination forms i.e. name of student or subjects for the students appearing in the examination. 4. There is need of new instruction regarding invigilation duty in the PTU examinations. Which is that "faculty/staff should not be allowed to do invigilation duty in particular session and day of the examination in which any candidate of his/her close relation is appearing. This will help to engage all faculty/staff specially senior for invigilation duty for smooth and fair conduct of PTU examinations. 5. Additional Rs. 2000/- should not be charged for direct admissions for students, who have already registered for PTU online counseling but did not get proper choice/seat. Therefore they take direct admission in PTU affiliated institute/college to meet their choice. 	<ol style="list-style-type: none"> 1. The guidelines / rules regarding migration are already existing and available on website. 2. Referred to Exam Branch. 3. The remuneration is paid to the college for each activity. 4. Referred to Exam Branch. 5. Rs. 2000/- will not be charged again if the student does not change his/her allotted college and the college will submit a certificate that they have not charged any additional Counselling fee for Management Quota / director Admission
2	Malout Institute of Management & Information Technology, (Established & Promoted by Govt. of Punjab) Malout (MIMIT)	<p>As you are aware about the fact, that the students who are detained the subjects in their previous semesters have to clear their detention by attending the classes with 75% attendance in the detained subjects in the upcoming semester. Such students for the sake of clearing their detention in their previous semesters, often skip their regular lectures in their regular semesters. This causes shortage of lectures and further detention in their regular subjects also. So it is suggested that these students may clear their detention during the period of summer vacations in the institute by paying proportionate fees to the institute.</p>	Such student can attend classes during summer vacation i.e. during June and July
3	Universal Institute of Engineering & Technology & UBS Universal Group of Institutions	<p>Proposal to include Communicative English in more semester terms as compulsory course.</p> <p>Proposal to approve the syllabi of the Add-On-Course in Foundation Course for 1st year B.Tech\BCA\BBA (Session 2014-15) on Intellectual Property Rights at Universal Institute of Engineering & Technology, Lalru (Syllabus appended).</p>	Referred to concerned BOS

		<p>FOUNDATION COURSE ON INTELLECTUAL PROPERTY RIGHTS (TWO MONTHS)</p> <p>SYLLABUS:-</p> <p>MODULE -1 ORIGIN OF INTELLECTUAL PROPERTY RIGHTS AND ITS DEVELOPMENT</p> <ul style="list-style-type: none"> • Definition of Intellectual Property Right • foundation of Intellectual Property Right • Universal Declaration of Intellectual Right • The IPR protection Act • Intellectual Rights and other IPR Rights <p>MODULE -2 TYPES OF INTELLECTUAL PROPERTY RIGHTS</p> <ul style="list-style-type: none"> • Patents • Trademarks • Registered Designs (industrial designs, trade secrets, confidential information, and Layout-designs of integrated circuits) • Copy Right • Geographical Indication <p>MODULE -3 IP LEGISLATIONS IN INDIA</p> <ul style="list-style-type: none"> • Legislation updates • Free Trade Agreements • IP Resources <p>READINGS</p> <ol style="list-style-type: none"> 1. Managing intellectual capital : organizational, strategic and policy dimensions – oxford press 2. Patent law essentials : a concise guide - Quorum Books 3. Law relating to patents, trademarks, copyright designs & geographical indications - Universal Law Publishing 4. Intellectual property rights in the global economy - Institute for International Economics, Washington 5. Intellectual property law in India - Gogia Law Agency, Hyderabad 	
4	<p>Sri Sukhmani Institute of Engg.& Technology Dera Bassi Distt Mohali (Pb)</p>	<p>The following points may kindly be incorporated in the forthcoming 44th, Meeting of the Academic Council of the university, agenda for consideration and approval please.</p> <p>1) It has been noted time and again that the remuneration charges which the university has to remit to the colleges in lieu of duties performed by colleges namely for- evaluation of examination answer books, and for examination nodal centre etc. are not paid in time in- spite of our making repeated request to university authorities.</p> <p>Since colleges deposit to university very much in time the money due to be deposited by them for admission and other allied activities, therefore as a plausible</p>	<p>1. Referred to account branch</p>

		<p>solution, the colleges in principle be directed to deposit only the balance amount to avoid unnecessary problem on either side.</p> <p>2) There have been errors in question paper in terms of its normal format. Almost every time, there was some printing lacuna in instructions causing problems to students and examination center. The correction from the university most of the time came only near the end of examination hour when majority of student had already left the examination center. It created embarrassment to the college almost every day. The prompt correction procedure may be incorporated to avoid humiliation of the university in outside world.</p>	<p>2. Referred to Exam Branch</p>
5	IET Bhattal Technical Campus P.O. Mianpur- 140108, Distt. Ropar, (Punjab) India	<p>1. CoA New Delhi in section 3 of architect act mentions That B.Arch course shall be conducted in 2 stages. Stage 1 shall of 3 years and is to be cleared within 5 years of admission.</p> <p>On the other side under PTU provision , B.Arch Degree course can be cleared in twice the number of years of course duration. For B.Arch course PTU permits 10 years to get B.Arch Degree from date of admission.</p> <p>As such even if one holds B.Arch Degree of PTU , CoA can refuse registration in case student has not cleared first stage within 5 years of admission.</p> <p>This issue needs to be resolved in the Academic council meeting.</p> <p>2. BOS(Arch)PTU has at present 13 regular members. Out of this 8 are from other universities like Chitkara, GNDU, Punjab University CCA and some practicing architects. Only 5 members are from PTU affiliated colleges. Because of these proportions of members major decision gets governed by outside members of board.</p> <p>Besides only 1 Director from Indo Global College of Architecture is only member included in BOS. No other affiliated college Director is part of BoS PTU(Arch). This calls for review. Director, College of Architecture IET Bhattal should also be part of BoS,PTU(Arch).</p> <p>3. PTU runs 5 years duration B.Arch course. On the other hand other universities like Chitkara, CU university etc. attract students by giving impression that B.Arch course run by them is of 4 years +1 year Training outside college. Fee etc are also reduced for 9th and 10th semester by these universities. Thus students get attracted to these universities resulting in loss to PTU admissions. Since CoA , New Delhi permits 4years + 1 Year training PTU should also revise and be discussed in Academic council.</p> <p>4. System of appointing Examiners for viva voce exams needs revision to avoid uniformity at final exam level. Present evaluation system of VIVA Voce creates imbalance in marking. Only registered/approved examiners should be in panel</p> <p>5. How to curb practice of exaggerated internals by different institutions needs to be looked into to</p>	<p>1. Referred to concerned BOS</p> <p>2. The new Board of studies is being re-constituted.</p> <p>3. Referred to concerned BOS</p> <p>4. Referred to exam branch.</p> <p>5. In the new credit based</p>

		maintain PTU standards.	system it will be taken care.
6	<u>GTBKIEI</u> <u>Malout</u>	<ol style="list-style-type: none"> 1. Organization of an Annual Tech Fest zonewise or otherwise. Every institution asked to send atleast one best project in each branch category as major project is part of curriculum of almost all branches. Innovative Projects will be suitably awarded. 2. Revision of curriculum of various branches as per demands of industries. 3. Irrelevant & obsolete subjects must be omitted from the curriculum. 4. As per new syllabus some important subjects as per industrial needs are omitted from syllabus e.g O.R Operation Research subject has been omitted from syllabus of B.Tech Mechanical Engg. 5. Syllabus of Mechanical Engg.:- RAC BTME-804 is in 8th sem. previously it was in 6th sem. Due to level of difficult contents this subject must be in 5th or 6th sem. Contents of AE (Automobile Engg.) BTME-505 are almost obsolete & also very lengthy so revise the contents as per modern technology requisites and also divide its contents in two parts AE-I & AE-II. Mechatronics & Control Engg. Subject will be introduced considering the industrial significance of the subject. Introduce TQM subject as compulsory subject instead of Elective. 6. Industrial Training in 7th/8th sem. Duration must be fixed atleast 6 months. As per academic calendar training started on 6th Jan. & uploading of Training marks will be completed upto 30th May leaving duration less than 5th months. 7. Strict measures must be taken to discourage the growing culture of non-attending B.Tech Degrees. 8. An Entrepreneurship cell will be established at the university level to provide training, guidance & project reports to its students so that they can be able to set up their own enterprises. 9. Appointment of observers during examination. University will appoint observers in the exams on its own as faculty data along with experience available with the university in affiliated colleges' login. 10. Reforms in answer sheets evaluation must be required for timely declaration of sem. as well as reevaluation results. 11. PTU affiliated colleges Faculty will be encouraged to work extensively in research activities. 	<ol style="list-style-type: none"> 1. Referred to cultural affairs department. 2. Already Done 3. Referred to concerned BOS 4. Referred to concerned BOS 5. Referred to concerned BOS 6. Referred to Exam Branch to re-consider the uploading date for industrial training students. 7. There is no such rule of non-attending B. Tech. 8. Already exists and Dean (RIC) is incharge 9. Referred to Exam branch 10. Referred to Exam branch 11. Already exists and Dean (RIC) is incharge. PTU is giving grants for foreign conferences and research projects.
7	<u>CGC Jhanjeri</u> <u>Mohali</u>	<ol style="list-style-type: none"> 1. Issue of provisional merit lists Examination cell of PTU is declaring results of various exams well in time however the merit lists are not issued 	<ol style="list-style-type: none"> 1. Referred to exam branch

		<p>along with these results, probably because of possibility of change in these list safter the results of reevaluation. As a solution to this problem and to meet the curiosity of meritorious students it is proposed that provisional merit lists may be issued along with the results and if at all there is some change final merit list may be issued as soon as all the re evaluation results are declared.</p> <p>2. Review of a result by an expert committee before declaring it.</p> <p>At times it is observed that the result of a class in particular subject is extremely poor muh lower than the result of other subjets there can be many reasons for such a situation a committee of 2-3 experts in PTU may be constitutes to review such cases & recommend general grace marks if deemed fit it may not be out of place to mention here that some other universities are following this practice.</p> <p>3. Introduction of CGPA system</p> <p>Some of leading universities& boards including IITs IIMs, thaopar university, GNDU, CBSE etc felooow CGPA system. At times employers are interested in knowing the relative position of a student. This system directly gives relative position of a student in the university.</p>	<p>2. Referred to exam branch</p> <p>3. Is being placed as agenda items</p>
8	<u>Gurukul vidhapeeth</u>	<p>1. 3D Animation & graphics 5th semester onwards</p> <p>Already approved up to 4th semester & since clases are to start for 5th semester in the monthof july so we need to finalize the syllabus for the same before tha start of semester so that student should not suffer.</p> <p>2. Approval of syllabus of b. Tech marine3 enginerring from 3rd semester onwards.</p> <p>Student have completed 1st & 2nd sem now students will be coming to 3rd semester hence we need have the syllabus before the start of semester.</p> <p>3. Approval of syllabus of b.tech petrochem & petroleum refinery enginerring from 3rd semester onwards.</p> <p>Student have complete 1st & 2nd sem now students will be coming to 3rd semester. Hence we need to have the syllabus before the start of semester.</p>	<p>1. Referred to concerned BOS</p> <p>2. Referred to concerned BOS</p> <p>3. Referred to concerned BOS</p>
9	<u>SVIET, banur</u>	<p>1. It has been observed that during the evaluation, massfailure in any of the subject bcauses dissatisfaction among the students. It is suggested that ta proper policy should be framed for the rechecking of the answer sheets in such cases.</p> <p>2. During had theory examinations of the current session ,some of the discrepancies have been observed like.</p> <ul style="list-style-type: none"> The strong question papers were uploaded and the correct question papers were uploaded more than 3 hours late at 12.00 noon . many student had left the centre by that time The instruction written on the question papers did not match with the matter in question paper Question papers were printed with wrong semester and wrong subject names. Paper ID were not mentioned on the question papers. <p>Hence it is proposed that all question papers should be</p>	<p>1. Referred to concerned BOS.</p> <p>2. Referred to exam branch.</p>

		thoroughly checked before uploading.	
		<p>3. When ever a new subject is introduced in the curriculum of any course PTU should organize a work shop on that particular subject.</p> <p>4. In case of subject like computer graphics & dataware housing & mining of MCA 4th sem the answer to question were long and the students complained that number of pages in answer sheet not sufficient to write full answer. It is proposed that pages of the answer sheet be increased.</p>	<p>3. Noted.</p> <p>4. Referred to Exam branch.</p>
10	DKTGI, Nawanshahr	<p>We have admitted the Students in B.Tech (LEET) during 2013-14 as per Punjab Govt. instructions issued vide Letter No. 8/42/13-ITE2/2527 dated 13/8/13 as reproduced - The Candidate who have not passed Diploma exam but have appeared in supplementary exam shall be allowed to admit provisionally Subject to condition that they will pass Diploma exam before start of 3rd sem. Exam." Similarly the same condition of passing 10+2/ Bachelor Degree exam was applicable for admission to B.Tech. as per letter no 2507 dated 13/8/13 & 2512 dated 13/8/13 (Copies Enclosed).</p> <p>2. However The result of Diploma final exam was declared very late i.e. just before start of examination of Nov. 2013 and DMC 's were received late from PSBTE&IT Chandigarh and students submitted their final DMC's for B.Tech admissions later than cut off date of PTU.</p> <p>3. The eligibility was checked after cut off date of filling of exam forms without late fee. Hence the exam late fee of Rs. 5000/- was imposed per student. Total late exam fee of Rs. 330000/- was imposed on students (Copy Enclosed). It does not seem to be justified because the declaration of result is not in the domain of the students and admissions were done as per PTU guidelines.</p> <p>4. As the students belong to rural area/ Poor Families and reserve categories, so they are not able to bear it. Even the reserve categories students are pursuing their studies with help of scholarship being provided by Govt. under PMS scheme. This may lead to discontinuation of their study.</p> <p>5. Therefore please waive off Rs. 330000/- the late exam fee charges imposed on Students of DKTGI Rahon in Nov. 2013 exam.</p> <p>We have already taken up the matter via email dt.13/11/13 (as attached) and letter dt.22/05/14.</p> <p>Now you are requested to place it in agenda of 44th Academic Council Meeting for waiving this late exam fee of Nov-13 exam.</p>	<p>1. Not eligible student should not be admitted by the college.</p> <p>2. Not eligible student should not be admitted by the college.</p> <p>3. As per norms the late fee has to be charged.</p> <p>4. As per norms the late fee has to be charged.</p> <p>5. As per norms the late fee has to be charged.</p>
11	PCET Baddowal	<p>(a) <u>Revision of Other Charges (Except Tuition Fee) of Non-AICTE Courses:</u></p> <p>(i) This point has been put up earlier at agenda point 43.20 minutes in the 43rd Academic Council meeting held on 4th March, 2014.</p> <p>(ii) As per University's view a committee was constituted to submit their recommendations, but no recommendations have been communicated so far. You</p>	<p>1. Administrated decision of the recommendation of the committee is under consideration</p>

		<p>are requested to look into the matter and Other Charges may please be revised, so that these can be implemented from the 2014 Session.</p> <p>(b) <u>Revision of Syllabus of BHMCT:</u></p> <p>(i) It is submitted that on perusal of BHMCT Syllabus, it has been found that the syllabus was revised in 2011. In the mean time a large number of new techniques for food processing & preservations have been introduced by the Industry. Therefore, the syllabus of BHMCT needs to be revised. A suggested syllabus was sent vide our Letter No. POTE/LDH/67/208 dated 28th Feb 2014 to Dean Academic for further solutions to Chairperson of BOS to revise the syllabus in view of students more acceptable in the job market and to settle them in Hotel Industry.</p> <p>(ii) A point was sent to include in the 42nd Academic Council meeting to revise the title of the degree. The point was discuss and University has given it's view that the matter is being referred to Examination Branch. But till date no intimation has been communicated. Please do the needful at the earliest so that student can apply abroad for the higher studies/jobs.</p>	<p>2. Referred to concerned BOS</p> <p>(ii) The name has been amended and matter has been referred to exam branch for necessary action</p>
12	<u>GNIMT</u> <u>Ludhiana</u>	<p>We are extremely thankful to you for asking the points to be included in the Agenda Points of 44th meeting of Academic Council. It is felt that the points submitted by the Colleges are not taken very seriously in the meeting and the points which are discussed, decisions taken, approved by the Chairman and communicated through minutes of the meetings to all the members are not followed by the University officials in the right spirit. A few decisions taken by the Academic Council and not implemented fully by the PTU staff are given below:</p> <p>(a) Agenda Point 40.2: (Action Taken Report (ATR) of 39th Academic Council Meeting)</p> <p>It was decided that the result and Provisional Merit (top ten) should be announced simultaneously and be given in the Newspapers (State level/national level). The final merit list will be issued after declaration of re-evaluation results. It has been observed that the merit list has still not been issued. On asking the reasons, the excuse given was that lot of students had asked for re-evaluation. Though the Academic Council had very clearly decided that the Provisional List of Top Ten shall be issued along with the results and final merit list will be issued after re-evaluation of the papers</p> <p>(b) Migration:</p> <p>As per the recommendations given by the committee constituted vide Agenda Point 40.17, the comments of the Principals of the Colleges, from where the students want to migrate shall be taken for which a communication will be sent by the PTU to the Colleges and if no reply is given by the Principal, after 15 days of the date of communication only then the ex-parte decision will be</p>	<p>Referred to Exam branch.</p> <p>A letter is issued to the college to give their comments within 15 days.</p>

	<p>taken, otherwise the reasons forwarded by the Principals shall be taken into consideration.</p> <p>It has been observed that the migrations are still being ordered without reference to the Colleges from where the students want to migrate. To add fuel to the fire, the migrations are ordered from the regular courses to the DEP courses and vice versa without reference to the Colleges. If we allow this practice to continue then there will be hardly any students left in the regular courses. This needs proper discussions/decisions on the matter.</p> <p><u>(c) Issue of Identity Cards to the Academic Council members:</u></p> <p>It was decided vide Minutes No. 39.29 (Sr.No.8) that all Academic Council members shall be issued Identity Cards to facilitate their entry to the PTU.</p> <p>Status: No action was taken by the concerned Department to issue the Identity Cards. On request to the concerned Department, the College had to submit the copies of the Academic Council decision and the Notification of the PTU constituting the Academic Council at least three times and at the end of the protracted correspondence, temporary Gate Pass was issued instead of Identity Card.</p> <p><u>(d) Non-payment of Building Rent and Contingency charges for re-appear students:</u></p> <p>These charges were denied to the Colleges with effect from December 2010 Exam. and it was not based on any decision, but on verbal orders of some officer. The matter was raised in the 39th Academic Council meeting. A sub-committee constituted for the purpose vide Minute No. 39.29 (Sr.No.5) never met even once inspite of best efforts and when the matter was raised again in the 42nd meeting of Academic Council, the concerned Department informed that a comprehensive revision of all payments is underway, but nothing has been heard since then. At least more than half a dozen times, the exams are run only for the reappear students where all the staff get the remunerations, but the colleges are denied the building rent and the contingency charges.</p> <p>It is, therefore, requested that the implementation of the decisions taken by the Academic Council may please be ensured before any further points from the Colleges are asked for.</p>	<p>Referred to Registrar Office.</p> <p>Referred to Exam Branch</p>
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ACTION TAKEN REPORT ON

**44th MEETING OF ACADEMIC COUNCIL HELD ON 09th JUNE, 2014 AT 11:00 AM IN
CONFERENCE ROOM, PUNJAB TECHNICAL UNIVERSITY, JALANDHAR – KAPURTHALA
HIGHWAY**

A. STATUTORY AGENDA

Item No.	Agenda Item	Action taken report
44.01	To confirm the minutes of 43 rd Academic Council meeting held on 04 th March, 2014	No action required
44.02	Action Taken Report (ATR) of the of 43 rd Academic Council meeting held on 04 th March, 2014	No action required

B. INFORMATION AGENDA

44.03	Starting of two new self-financed courses at GZS – PTU Campus	Implemented
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C. AGENDA FOR DISCUSSION & RECOMMENDATIONS

44.04	Starting of M. Tech. (Electronics System Design and control at PIT, Rajpura	Approved
44.05	Increase of fee structure	Notified
44.06	To ratify Academic Calendar for session 2014-15	Notified
44.07	Credit Based system	Has been placed as Agenda item
44.08	Centralized Counselling	Noted
44.09	Re-constitution of Board of studies	Notified
44.10	Establishment of new Colleges/ Starting of new courses during session 2014-15	Notified
44.11	Formulation of Migration rules and guidelines for Ph. D Programme.	Implemented

D. ANY OTHER AGENDA

44.12	Items received from the different colleges	Noted
44.13	Any other item with the permission of the Chair	

SUPPLEMENTARY AGENDA

S-44.1	Updation of syllabus	Implemented
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Annexure - III

**PUNJAB TECHNICAL UNIVERSITY
(REGISTRAR OFFICE)**

PTU/Reg/Notification/559-580

Dated : 20.05.2015

NOTIFICATION

It is notified that "Punjab Technical University" is named as "I.K. Gujral Punjab Technical University" with immediate effect.

All correspondence from the date of effect as above be addressed.

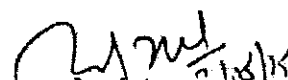

Registrar

Endorsement No. :

Dated : 20.05.2015

A copy, each, is forwarded to the following for information and necessary action to :

1. The Chief Secretary to Government of Punjab, Chandigarh.
2. The Principal Secretary to Governor of Punjab & Chancellor, Punjab Technical University Jalandhar.
3. The Principal Secretary to Hon'ble Chief Minister Punjab, Chandigarh.
4. Secretary, Govt of Punjab Deptt of Technical Education & Industrial Training, Chandigarh.
5. Principal Secretary, Govt of Punjab Deptt of Finance, Chandigarh.
6. Director, Department of Technical Education, Chandigarh.
7. All Members of Board of Governors, PTU.
8. Secretary, University Grant Commission, New Delhi.
9. Secretary, General Association of Universities of India, New Delhi.
10. Chairman, All India Council of Technical Education, New Delhi.
11. All the Vice Chancellors of Universities in Punjab.
12. All Directors, NITs and Deemed Universities.
13. Commissioner, Jalandhar Division.
14. Deputy Commissioner, Jalandhar.
15. Deputy Commissioner, Kapurthala.
16. Director, Punjab State Council for Science & Technology, Chandigarh.
17. Secretary, Punjab School Education Board, Mohall.
18. Principals All Affiliated Colleges PTU.
19. Director, All IITs.
20. Director, National Institute of Technical Teachers Training & Research, Chandigarh.
21. Director, Information & Public Relations Department, Chandigarh.


Registrar 21/5/15

22.

PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

PROPOSED ACADEMIC CALENDAR

Session: 2015-16

Odd Semester		
Sr. No.	Description	Period
1	Session	15 th July, 2015- 10 th November, 2015
2	First Mid Semester Examination	August, 2015 (14 th -17 th)
3	Second Mid Semester Examination	September, 2015 (23 rd - 25 th)
4	Third Mid Semester Examination	November, 2015 (4 th - 6 th)
5	Preparatory Holidays	November, 2015 (14 th - 20 th)
6	End Semester Examination	November, 2015 (21 st)
7	*End Semester Practical Examination	December, 2015 (16 th - 21 st)
8	Winter Vacations	December, 2015 (22 nd - 31 st)

Even Semester		
Sr. No.	Description	Period
1	Session	1 st January, 2016 - 22 nd April, 2016
2	First Mid Semester Examination	February, 2016 (6 th - 9 th)
3	Second Mid Semester Examination	March, 2016 (7 th - 10 th)
4	Third Mid Semester Examination	April, 2016 (8 th - 11 th)
5	Preparatory Holidays	April, 2016 (19 th - 22 nd)
6	End Semester Examination	April, 2016 (23 th) - May 2016 (17 th)
7	*End Semester Practical Examination	May, 2016 (18 th - 23 th)
8	Institutional Training/ Workshop Training	May 2016 (25 th) - July 2016 (11 th)
9	Vacations for Faculty	May, 2016 (26 th) - July, 2016 (11 th)

- Note**
- *Practical examinations for all the branches will start immediate after the end of regular examinations.
 - Number of days falling short of 90 should be compensated by making Saturdays Working by the institutions

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19/5/15

G
18/08/15
DooB

18/5

06/2015

Print

Annexure - D

Subject: Regarding Agenda Items of Academic Council Very Urgent/ Time Bound
From: IRC-UHVE, PTU, Kapurthala (ptuehv@gmail.com)
To: ssmailbag@yahoo.co.in;
Cc: jagmeet.bawa@gmail.com;
Date: Monday, 22 June 2015 3:44 PM

Dear Dr. R.P. Singh Ji
Associate Professor
Academic Department
IKG Punjab Technical University, Kapurthala

Proposed Agenda Item:

Equivalency of 6 months Internship at IRC-UHVE, IKG-PTU to 6 months Industrial Training for Bachelor Degree Students (Simultaneous exposure to Values & Skills)

At the International Resource Centre for Universal Human Values & Ethics (IRC-UHVE), students are being taken 6 months Internship during their 7th/8th Semester of their B.Tech/Bachelor Degree.

In the 6 months at IRC-UHVE, the intern gets an exposure of

1. living a values based life (VALUES)
2. Hands on exposure in their respective technical field (SKILLS). For instance
 - a student of B.Tech (IT) designed, installed & tested a LAN connection
 - a student of B.Tech (Mechanical) designed and fabricated a small Bio- digester

Student interns are able to see the essential complementarity between Values & Skills. Based on this exposure, they have been able to make responsible choices about their career.

So far 13 students have completed their 6 months training successfully. Almost all have had to defend the validity of this training with their college authorities. Once they present details, share that this exposure was very productive in the context of both Values & Skills, the college authorities have accepted the validity of this training.

We request your help to formally make this 6 months internship equivalent to 6 months Industrial Training.

Submitted for your consideration please.

Regards

Jitender Narula

CC to Dr. Jagmeet Bawa, Joint-Director & Sh. Rajni Ashana, Director

<https://in-mg61.mail.yahoo.com/neo/launch?.rand=3q61qqf1pj14f#2958982867>

06/2015

Print

On Mon, Jun 22, 2015 at 1:30 PM, Sarwan Singh <ssmailbag@yahoo.co.in> wrote:
Respected Sir/ Madam

Please find attached Letter No. PTU/DA/OI/2900 dated 22/06/2015.

With Regards
Senior Assistant BOS
Department of Academics
IK Gujral Punjab Technical University.
9478098128

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International Resource Center-Universal Human Values & Ethics (IRC-UHVE)

Punjab Technical University, Jalandhar, Punjab

India

www.uhv.ac.in, www.ptu.ac.in

PTU/DDE/CDC/JMC-28

16/03/2015

Punjab Technical University

Subject: Minutes of the BoS meeting.

A meeting of BoS (Journalism & Mass Communication) was held in the office of Dean, Academics, PTU at 10.30 am on 13-03-2015. The following members were present in the meeting:

1. Dr. Ranbir Singh, Punjab Technical University, Kapurthala
2. Prof. (Dr.) Navjit Singh Johal, Punjabi University, Patiala
3. Dr. K. S. Duggal, GNDU Regional Campus, Jalandhar.
4. Prof. Pramoda Kumar Jena, GJ University, Hisar.
5. Dr. Namarta Joshi, GNDU Regional Campus, Jalandhar
6. Dr Shikha Rai, IGNOU, New Delhi
7. Ms. Nivedita, KCGI, Nawan Shahar.
8. S Ajit Kanwal, Chandigarh

In the meeting, following unanimous decisions and recommendations were made :

1. The Masters in Mass Communication and Media Management and M.Sc. (Journalism, Advertising & Mass Communication) courses be closed and admissions to M.A. (Journalism and Mass Communication) started from the new academic session-2015-16 as per latest UGC Guidelines.
2. The B.Sc. (Media, Entertainment and Film Technology) and B.Sc. (Journalism and Mass Communication) courses be closed and B.A. (Journalism & Mass Communication) started from the new academic session-2015-16 as per latest UGC Guidelines.
3. The syllabus of M.A. (Journalism and Mass Communication) Semesters- I-IV for the academic session 2015-16 was discussed and finalised. ---- **Appendix I**
4. For the admissions to January sessions for courses in Journalism and Mass Communication , there is no pre requisite .
5. The syllabus of B.A. (Journalism and Mass Communication) shall be discussed in the next BoS meeting.

Navjit Singh Johal
(Navjit Singh Johal)

K. S. Duggal
(K. S. Duggal)

Namarta Joshi
(Namarta Joshi)

Ranbir Singh
(Ranbir Singh)

Pramoda Kumar Jena
(Pramoda Kumar Jena)

Ajit Kanwal
(Ajit Kanwal)

Nivedita Aneja
(Nivedita Aneja)

Dr. Shikha Rai
(Dr. Shikha Rai)

Submitted for approval, please.

Dean (Academics)

Please discuss, as the syllabus for the courses which are already running may be finalised.
19/3/15

Indira Choudhary

PS

SA

Punjab Technical University

No. PTU/ADC/CDC/JMC-55

Date: 23-06-2015

Subject: Minutes of the BoS meeting.

Meeting of BoS (Journalism & Mass Communication) was held in the office of Dean, Academics, PTU at 10.30 am on 23-06-2015. The following members were present in the meeting:

1. Prof. (Dr.) Navjit Singh Johal, Punjabi University, Patiala
2. Prof. (Dr.) Harish Kumar, MDU Rohtak
3. S Ajit Kanwal, Chandigarh
4. Dr. Namarta Joshi, GNDU Regional Campus, Jalandhar
5. Ms. Nivedita, KCGI, Nawan Shahar.
6. Dr. Ranbir Singh, Punjab Technical University, Kapurthala

In the meeting, following unanimous decisions and recommendations were made:

1. The Masters in Mass Communication and Media Management (MMCMM) syllabus revised and modified-----Annexure A.
2. The B.Sc. (Media, Entertainment and Film Technology) syllabus revised and modified-----Annexure B.
3. The syllabus of M.Sc. (Journalism and Mass Communication) revised and modified-----Annexure C.
4. The B.Sc. (Journalism & Mass Communication) syllabus revised and modified-----Annexure D.
5. The syllabus of M.Phil. (Journalism and Mass Communication) was revised and modified.....Annexure E.
6. The syllabus of M.Sc Mass Communication revised and modified-----Annexure F.
7. M.Sc. Journalism & Mass Communication (LE):
Eligibility:..
PG Diploma in Journalism, Communication, Mass Comm., Advertising, Public Relations (PR) from a recognized university after graduation in any discipline.
8. B.Sc. Journalism & Mass Communication (LE) into IIIrd Sem:

Eligibility: 10 + 2 + 1 Year Diploma in Aforesaid or Equivalent (recognized by

UGC)

(Navjit Singh Johal)

(Harish Kumar)

(Namarta Joshi)

(Ranbir Singh)

(Ajit Kanwal)

(Nivedita Aneja)

Submitted for approval, please.

Dean (Academics)

4/24/2015

Print

Subject: Re: Required: Pattern of Question Paper- 60 Marks

From: Ghanshyam Das Gupta (drgdg@rediffmail.com)

To: shabirsidhu@yahoo.com;

Date: Friday, January 9, 2015 3:02 PM

Dear Madam,

Pattern of Question M. Sc. Clinical Research, Advance Diploma Clinical Research and Diploma in Clinical Research.

Section A :

Total question complete syllabus - $10 \times 2 = 20$

Section B :

Total question complete syllabus Seven (07) each 08 marks attempt any five (05)

$5 \times 8 = 40$

Thanks

Dr. G. D. Gupta

(Chairperson BOS Clinical Research)

On Fri, 09 Jan 2015 13:04:12 +0530 Shabir Sidhu wrote

> Shabir Sidhu (PhD)

Assistant Professor

Department of Life Sciences

Punjab Institute Of Technology

PTU Main Campus

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----- Forwarded Message -----

From: Shweta S.B

To: "shabirsidhu@yahoo.com"

Cc: "anovus.sanjeet@gmail.com"; "tayall@yahoo.com"

Sent: Friday, January 9, 2015 12:21 PM

Subject: Required: Pattern of Question Paper- 60 Marks

Dr. Shabir,

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**Punjab Technical University
Academic Department
Minutes of Meeting**

A BOS meeting of Pharmacy was held on 13th April 2015 at 11:00 hrs in the Office of Dean Academics, PTU.

The following were present in the meeting.

1. Dr. D.N. Prasad (Chairperson), Shivalik College of Pharmacy, Nangal
2. Dr. V.K. Kapoor, GHGKCP, Gurusar Sadhar
3. Prof. Anupam Sharma, Panjab University, Chandigarh
4. Dr. G.D. Gupta, ASBASJSMCP, Bela
5. Dr. Subheet Jain, Guru Nanak Dev University, Amritsar
6. Dr. Suresh Kumar, Punjabi University, Patiala
7. Dr. Amit Kumar Goyal, ISF College of Pharmacy, Moga
8. Dr. Shabir Sidhu (Coordinator)

The following members could not attend the meeting.

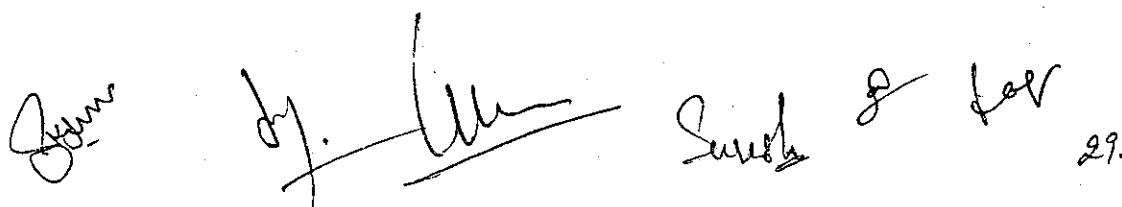
1. Director/Director Nominee, NIPER, Mohali
2. Prof. T.R. Bharadwaj, ISF College of Pharmacy, Moga
3. Dr. Munish Bansal, ISF College of Pharmacy, Moga

The agenda of the meeting, i.e., to review PTU pharmacy courses in the context of new guidelines for M. Pharm. courses issued by the PCI, was taken up, and discussed at length. The members were of unanimous opinion that there are a number of variations in the guidelines as specified by the AICTE (which is being presently followed) and the newly issued PCI guidelines (proposed to be implemented from session 2015-2016). **The Board recommends that Punjab Technical University should expeditiously take a decision whether the pharmacy colleges affiliated with it would be governed by the AICTE guidelines or the suggested PCI guidelines.**

Some of the glaring variations noted by the members were:


1. Shift from existing semester system of the examination to annual system.
2. Whether syllabus be followed according to AICTE or PCI guidelines.
3. Internal assessment changed from existing 20 to 50 marks, and the external evaluation changed from existing 80 to 100 marks.
4. Change in faculty requirement from existing $1+1+1 = 3$ to $1+2+2 = 5$ per M. Pharm. course.
5. Infrastructural requirements have been drastically enhanced.
6. Definition of unit composition per course has been changed from existing 18 to 15 students.

These variations are in addition to a number of others. A copy of the notification from PCI is enclosed for ready reference.



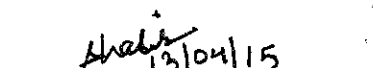
The sub-committees constituted in the previous BOS meeting for re-designing M. Pharm. syllabi should submit their reports within 15 days.


Meeting ended with a vote of thanks to the Chair.



(Dr. V.K. Kapoor) 13/4/15



(Dr. G.D. Gupta) 13/4/15


(Dr. Suresh Kumar) 13/04/2015


(Dr. Shabir Sidhu, Coordinator) 13/04/15


(Dr. D.N. Prasad, Chairperson) 13/4/15


(Dr. Anupam Sharma) 13/04/2015


(Dr. Subheet Jain) 13/04/15


(Dr. Amit Kumar Goyal) 13/04/15

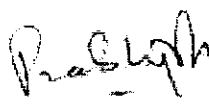
Minutes of Meeting

Meeting of the Board of Studies of Built Environment was held in the PTE Campus on 13.05.2015 at 11:00 am. Following were present:

• Dr. Prabhjot Kaur	Chairman, BOS, Built Environment
• Ar. Jit Gupta	Special Invitee
• Dr. Tripta Goyal	Special Invitee
• Dr. Tanuj Chopra	Special Invitee
• Sh. Nripinder Jain	Special Invitee
• Dr. Mukta Sharma	M.Tech Transportation (Civil Engineering)
• Ar. Avinash Singh	Coordinator, BoS, Built Environment

Members reviewed the draft content of the syllabus of 2nd semester of M.Tech (Transportation Engineering). After detailed discussion, following decisions were taken:

1. Distribution of lecture/seminars/tutorial/fieldwork in the subject Highway Material and Testing (CE-506) were reviewed and rationalized. The revised allocation will be $3+1+0 = 4$ instead of $3+1+2 = 6$ as approved in previous meeting held on 19/11/2014 with credit in the subject reduced from 5 to 4. The total teaching hours per week for the course shall be 20 instead of 22.
 2. Uniform teaching methodology shall be adopted for various subjects. The teaching shall be imparted through class lectures/seminars conferences. Guest/expert lectures shall be organised where ever required.
 3. A uniform pattern for formulating the course contents for each subject shall be followed. Content of each subject shall be distributed in four units.
 4. Uniform guidelines for the paper setters shall be formulated under which each paper setter will be required to set two questions from each unit making a total of eight questions and the students would be required to attempt total of five questions with minimum one questions from each unit.
 5. The detailed contents of all the subjects of the 2nd semesters of M.Tech (Transportation Engineering) were finalized. Final scheme is attached.
- Meeting ended with vote of thanks to the Chair.

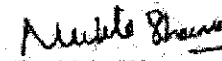

(Dr. Prabhjot Kaur)


(Ar. Jit Gupta)


(Dr. Tripta Goyal)


(Dr. Tanuj Chopra)


(Sh. Nripinder Jain)


(Dr. Mukta Sharma)


(Ar. Avinash Singh)

Punjab Technical University

Minutes of the Meeting

Meeting of Committee Part Time B.Tech Courses

Venue: Conference hall, 2nd Floor, Deptt. of Academics

Date and Time: July 18th 2014 & 10:30 am

The following members were present:

1. Dr. J.S.Dhillon, SLIET Longowal
2. Dr. Balkar Singh, Director College Devl. PTU
3. Er. Ekonkar Singh, DR-Academics, PTU
4. Dr. Gagandeep Kaur, Asso. Prof. PITK, PTU
5. Er. Avtar Singh Buttar, Asso. Prof. PITK, PTU
6. Mr. Pawan Kumar, AR-College Devl. PTU
7. Mr. Gaganjot Singh, AR-Academics, PTU (Convener)

The committee took the agenda and discussed the following and make the below mentioned recommendations:

1. The committee has drafted the eligibility criteria for B-Tech part time as
Candidate must have passed their 10th or 10+2 examination with science stream and have passed diploma in any Engineering Trade from Punjab State Board of Technical Education, Chandigarh or Sant Longowal Institute of Engineering and Technology, Longowal (SLIET), or such examination from any other recognized State Board of Technical Education

OR

The candidates who have passed two years certificate course from Sant Longowal Institute of Engineering and Technology, Longowal (SLIET) shall be eligible.

AND

Should have two years working experience after completion of above mentioned eligibility.

The draft of the other norms of B-tech Part Time is attached at Annexure-I.

2. The minimum duration for B. Tech. (Part-time) will be five year (ten semesters) and the maximum duration shall be as prescribed by the University.
3. The committee proposes that the candidates of B-Tech part time shall be exempted from 06 month Industrial training as these candidates already have industrial experience in lieu of that they have to submit a detailed report of project/product development along with certificate of software training which will be evaluated by the internal committee and marks equal to industrial training will be given on project basis. Further the training after second semester is exempted as these candidates has diploma. The training after 4th semester (06 weeks training) is also exempted, in lieu of that candidate have to submit a project report of his work experience which will be evaluated by internal committee and marks will be awarded accordingly as per scheme. The marks of these projects in lieu of which trainings are exempted will be equal to as per marks of these trainings in regular courses
4. The syllabus shall be same as of Regular courses, however, the scheme distribution for part-time courses will be framed by the concerned Board of Studies.

The meeting ended with the vote of thanks.

Dr. Gagandeep Kaur

Er. Ekonkar Singh

Dr. Balkar Singh

Dr. Balkar Singh

Pawan Kumar

Dr. J.S.Dhillon

Gaganjot Singh

Dear Sir,

377 Mr. Kaur

Vice-Chancellor

30/7/14

31.

Annexure – I

REGULATIONS FOR BACHELOR OF TECHNOLOGY (PT)/ BACHELOR OF ENGINEERING COURSES (PT)

General

The University shall undertake and supervise the instructions and award of Part-time Bachelor's Degree in the disciplines and nomenclature as notified by the All India Council for Technical Education (AICTE): -

1. Duration

The duration of Part-time Bachelor of Technology/Engineering, course will be five years, divided into ten semesters. There will be teaching of minimum 8 hours on every Saturday and Sunday.

2. Eligibility for Admission

The admission to the above courses will be based on merit in an entrance test provided the candidate is otherwise eligible for admission.

- 2.1 Candidate must have passed their 10th or 10+2 examination with science stream and have passed diploma in any Engineering Trade from Punjab State Board of Technical Education, Chandigarh or Sant Longowal Institute of Engineering and Technology, Longowal (SLIET), or such examination from any other recognized State Board of Technical Education

OR

The candidates who have passed two years certificate course from Sant Longowal Institute of Engineering and Technology, Longowal (SLIET) shall be eligible.

AND

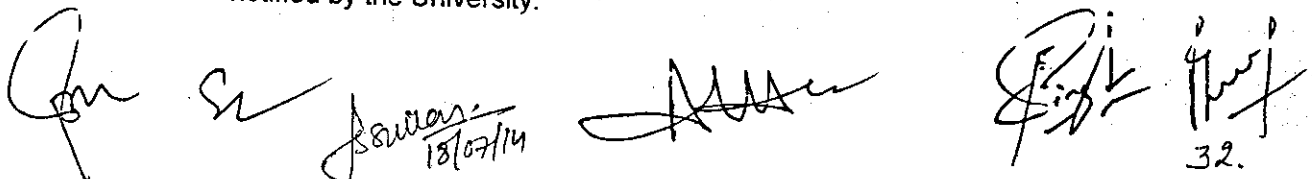
should have two years working experience after completion of above eligibility.

- 2.2 The eligibility for admission shall be as per the notification of All India Council for Technical Education (AICTE) from time to time.
- 2.3 He/ She should bear a good moral character.
- 2.4 He/ She must be in a good mental and physical health. Each candidate before admission will have to undergo a medical fitness examination and shall have to produce a medical fitness certificate, as prescribed by the University.
- 2.5 A student admitted to B. Tech. (PT) programme must be on the rolls of an affiliated Engineering College/ Institute to attend the classes regularly as per rules and shall pay such fees to the College/ Institute as decided by the University / College / Institute from time to time.

3. Examinations

3.1 General

- 3.1.1 The University examination shall be held at the end of each semester as per the prescribed scheme of examination for each discipline and date sheet notified by the University.

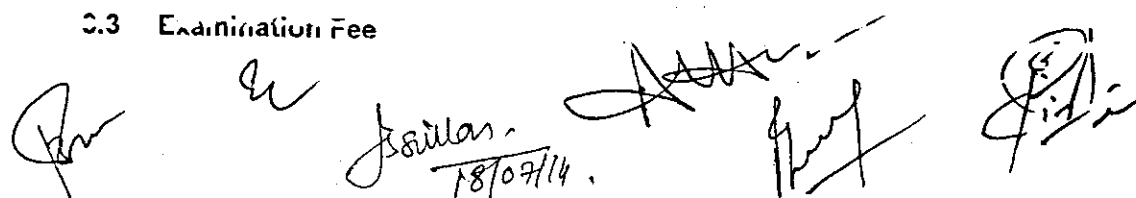
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- 3.1.2 It will be the responsibility of the candidate to collect all information regarding examination schedule, roll number slip and result etc. from the College/ Institute office. Students will collect the University Roll Number slips at least one day before the commencement of the examination.
- 3.1.3 The College/ Institute office shall display on the Notice Board, the schedule of examination/ date sheet etc. as soon as it is received from the University. The University will supply this information not less than fifteen days before the start of examination.
- 3.1.4 No candidate will be allowed to appear in the University examination without the Roll Number Slip.
- 3.1.5 The medium of instruction and examination shall be English

3.2 Eligibility

- 3.2.1 In order to be eligible to appear in any semester examination, a candidate must have submitted his Examination form submitted to the Registrar through the Principal of his/ her College/ Institute along with the following certificates signed by the Principal :-
- (i) of good character.
 - (ii) of having remained on the rolls of the College, and
 - (iii) of having attended not less than 75% of the aggregate scheduled periods, in each prescribed course of Theory (Lectures plus Tutorials) and Practical (including Workshop Training, Seminar, Project, Industrial Training etc.);
 - (iv) A student shall have to attend 75% of the scheduled lectures together with Theory and Practical, otherwise he/ she shall not be allowed to appear in that subject in the University exam. A student detained in the course (s) would be allowed to appear in the subsequent university exams only on having completed the attendance in the subject, as and the course is offered .
 - (v) The Dean of the University in case of University/constituent college and Principal/Director in case of affiliated institutions may condone attendance shortage upto 10% in the total for reasons to be recorded in writing (owing to serious illness, calamity, participation in any game / sports / competitions with approval of the institution etc.). However, under no circumstances, a student who has an aggregate attendance of less than 65% in a semester shall be allowed to appear in the semester end examination.
 - (v) Attendance shall be counted upto seven days prior to the date of commencement of the University theory examinations. Dean of the University/Director/Principal, as the case may be, shall announce the names of all such students who are not found eligible to appear in the semester end examinations at least 7 calendar days prior to start of the semester end examinations and simultaneously intimate the same to the controller of examinations.
 - (vi) In case any student appears in the examinations by default, who in fact has been detained by the institute, his/her results shall be treated as null and void.

3.3 Examination Fee

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3.3.1 The amount of examination fee to be paid by a candidate and the last date by which his / her examination form and fee must reach the Registrar, shall be notified by the University.

- (i) Examination forms will be accepted with late fee of Rs 1000/- upto 7 days before the commencement of examinations.
- (ii) Under very special circumstances, examination forms shall be accepted by the University upto two days before the commencement of examination on payment of late fee of Rs 2000/-
- (iii) Examination form shall be accepted upto the evening previous to the date of examination on payment of late fee of Rs 5000/- with the approval of the Vice - Chancellor.

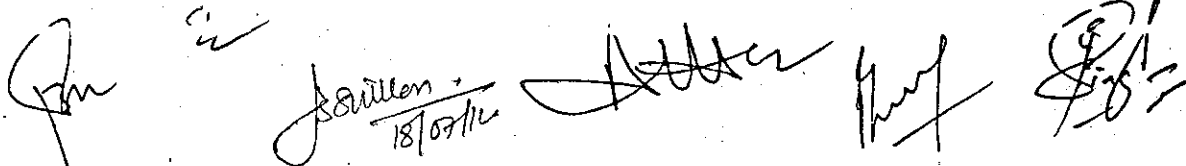
3.3.2 The examination fee for one or more reappear/ repeat papers of any examination shall be the same as for the whole of semester examination. Separate admission forms for papers belonging to different semesters are to be filled by the candidate indicating paper(s) offered for each semester examination.

3.4 Reappear

3.4.1 In case of reappear papers candidate shall be required to submit their Examination Forms within 15 days from the date of declaration of the result, or the regular date for submission of examination forms, whichever is later.

4. Evaluation System

- 4.1 In a theory paper, the question paper will be set by an examiner appointed by the Vice Chancellor from a panel of examiners, proposed by the Board of Studies of that discipline. A sample question paper of the concerned discipline will be supplied to the paper setter for guidance. The paper setter shall be a teacher from some other University or of the affiliated College/ Institute of the University preferably not teaching that course in that semester.
- 4.2 The answer books will be evaluated by table marking in the University or evaluation centres set up in affiliated colleges / institutes. For each subject, a panel of evaluators will be appointed. These panel of examiners will be constituted by the Board of Studies of the concerned discipline from amongst the teachers of affiliated Colleges of the University preferably teaching that course in that semester.
- 4.3 Practical examination in each practical subject will be conducted jointly by an internal and an external examiner. The internal examiner will be from the College, where examination is being conducted, while the external examiner may be from any of the affiliated Colleges of the University or from outside. The lists of the examiners will be prepared by the Board of Studies of the concerned discipline. The external examiner will be appointed by the Vice Chancellor from the panel of examiners proposed by the board of studies.
- 4.4 In case an examiner for practical examination does not report at the scheduled date, the Principal of the College will make the alternative arrangement from within the College or from outside and intimation of the same will be sent to the University immediately.

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5. Certification

5.1 Conditions for Certification

The conditions for certification will be same as of regular engineering/B Technology degree.

5.2 Award of Degree

A student will be awarded degree subject to the following conditions:

- (i) must have obtained a total of 50 percent marks at the end of ten semesters of study, as applicable.
- (ii) has paid all the fees and other charges including fines, if any, due from him to the University and the College.
- (iii) has no case of indiscipline pending against him/ her.

5.3 Divisions

The University shall publish the final result indicating the marks obtained in aggregate marks for 10 semesters and the division obtained by each student on the following basis:-

Division	Percent Marks
(i) First with Distinction provided all examinations are passed in first chance with regular classes in the normal duration of 5 years as applicable without any reappear at any stage.	More than 70%
(ii) First	60% or more
(iii) Second	50% or more but less than 60%

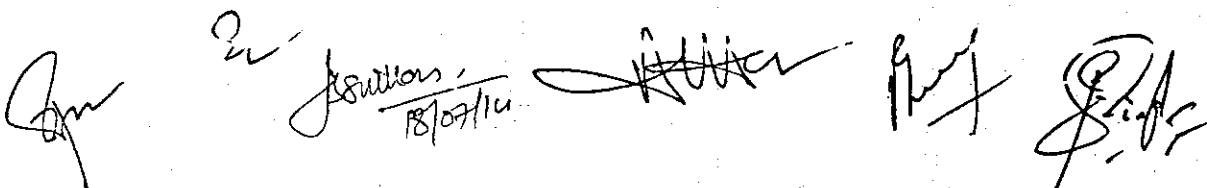
5.4 Award of Prize or Medal

Candidate shall be eligible for the award of a prize or a medal, if

- i. he / she passes the Bachelor of Engineering / Technology examinations in 5 years, and
- ii. has passed all the subjects in the first attempt available to him /her.

6. Attendance

A student shall have to attend 75% of the scheduled lectures together with Theory & Practical, otherwise he/ she shall not be allowed to appear in that subject in the University exam. A student detained in the course (s) would be allowed to appear in the subsequent university exams only on having completed the attendance in the subject, when the course is offered as regular course(s), as per the rules.

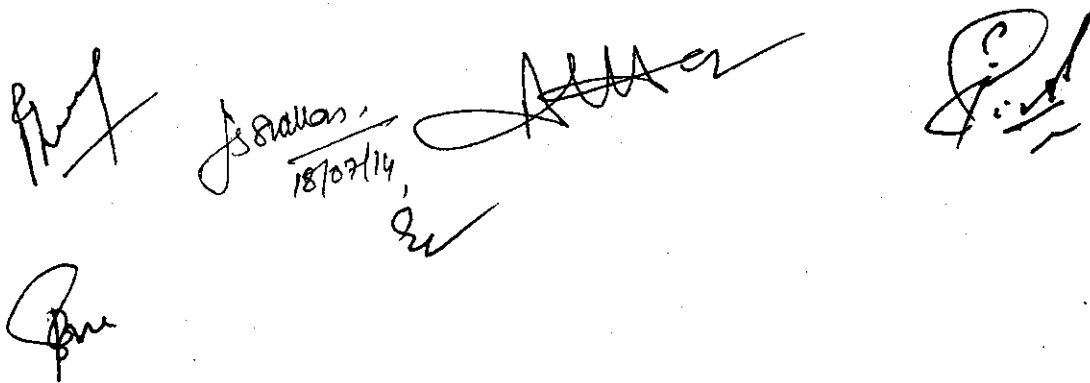
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7. Maximum Duration for completion of the Degree requirements

7.1 A total of ten years for Bachelor of Engineering / Technology and from the date of admission, shall be given to a student to pass all the courses and to fulfil all other requirements for the completion of degree including attaining the required aggregate, failing which the candidature of the student shall stand cancelled, and no degree shall be awarded.

8. Powers of the Vice Chancellor

Notwithstanding any thing contained in these regulations, the Vice - Chancellor shall be competent to allow any relaxation subject to ratification by the Board of Governors.

The block contains several handwritten signatures and initials. In the top left, there is a signature that appears to be 'Raj'. To its right is a signature that looks like 'J. S. Ballan' with the date '18/07/14' written below it. Further right is a large, stylized signature that could be 'A. M. A.'. To the right of that is another signature that looks like 'S. D.'. Below the 'Raj' signature is another signature that looks like 'S. M.'. Below the 'J. S. Ballan' signature is a small checkmark.

**FINAL DRAFT FOR
CHOICE BASED CREDIT SYSTEM (CBCS)
APPLICABLE TO**

**CAMPUSES, AUTONOMOUS & AFFILIATED
COLLEGES/INSTITUTIONS OF I. K. GUJRAL
PUNJAB TECHNICAL UNIVERSITY**

**DEPARTMENT OF ACADEMICS
I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY
JALANDHAR**

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- 8. COMPUTATION OF SGPA and CGPA**
 - 8.1. Semester Grade Point Average (SGPA)**
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- 10. EVALUATION SYSTEM FOR CONSTITUENT AND AFFILIATED COLLEGES/INSTITUTIONS OF IKGPTU**
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 - b. External Evaluation**
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 - a. Internal Evaluation**
 - b. End semester Examination**
 - c. Overall Grading**

1. PREAMBLE

I. K. Gujral Punjab Technical University (IKGPTU) (Formerly known as Punjab Technical University), Jalandhar was established in the Year 1997 under the Punjab Technical University Act, 1996 (Punjab Act No. 1 of 1997) to enhance technical education and development thereof in the State of Punjab and for matters connected therewith. The University is aware of the urgent need to move towards Choice-Based Credit System (CBCS) and Grading system as per guide lines of UGC. Constituent Institutes of I. K. Gujral Punjab Technical University viz. Punjab Institute of Technology (PIT) and Punjab Institute of Management (PIM) have already implemented grading system. The University is committed to implement CBCS from the academics session-2015-2016.

2. WHY CHOICE BASED CREDIT SYSTEM

The Choice Based Credit System (CBCS) enables a student to obtain a degree by accumulating required number of credits prescribed for that degree. The student also has choice in selecting courses out of those offered by various departments. The grade points earned for each course reflects the student's proficiency in that course. The CBCS enables the students to earn credits across departments and provides flexibility in duration to complete a Program of study. The CBCS facilitates transfer of credits earned in different Departments/Centers of other recognized / accredited universities or institutions of higher education in India and abroad.

3. APPLICABILITY OF GRADING SYSTEM

The Choice Based Credit System shall apply to all Under Graduate/Post Graduate Courses of IKGPTU's Campuses, Autonomous Institutions and affiliated Colleges/Institutions. Under CBCS the requirement for awarding a degree is prescribed in terms of number of credits to be completed by the student.

4. DEFINITIONS OF KEY WORDS

- 4.1. **Hon' able Vice Chancellor (VC):** Means the Hon' able Vice Chancellor (VC) of the I. K. Gujral Punjab Technical University, Jalandhar.
- 4.2. **Dean (Academics):** Means the Dean (Academics) of the I. K. Gujral Punjab Technical University, Jalandhar.
- 4.3. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.

- 4.4. **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core, elective and inter-disciplinary courses).
- 4.5. **Program/Discipline:** An educational program/discipline leading to award of a Degree/Diploma/Certificate.
- 4.6. **Course:** Usually referred to, as 'subject' is a component of a program/discipline. All courses need not carry the same weight. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study etc. or a combination of some of these.
- 4.7. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (Lecture or Tutorial) or two hours of practical work/field work per week.
- 4.8. **Credit Point:** It is the product of grade point and number of credits for a course.
- 4.9. **Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree/diploma/certificate is prescribed in terms of number of credits to be completed by the students.
- 4.10. **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.
- 4.11. **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters O, A⁺, A, B⁺, B, C, P and F.
- 4.12. **Semester:** Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to December and even semester from January to June.
- 4.13. **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
- 4.14. **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.

- 4.15. **Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.
- 4.16. **End Semester Examination:** The examination conducted by the University at the end of the semester.
- 4.17. **Internal Evaluation:** The Midterm Sessional Tests (MST), quizzes/ group discussion/ class discussion/ attendance/ seminars / projects/ case studies etc. comprise the internal evaluation.
- 4.18. **Degree :** An award conferred by the University signifying that the student has satisfactorily completed a programme / discipline of study.

5. COURSE STRUCTURE/ PATTERN

The Under Graduate/ Post Graduate degree courses will consist of three major components i.e., Core Courses, Elective Courses and Inter Departmental Courses.

Core courses: These are offered by the parent department and are totally related to the major/discipline course. The core courses also include subjects related to Basic Sciences and Humanity. The components like Practicals, Projects, Group Discussions, Viva, Field Visits etc. will be the part of the core course. The credits for Basic Sciences/Humanity and Core courses will be 10%-20% and 55%-75% of the total credits of a program/discipline respectively.

Elective courses: These are also offered by the parent department. These courses will provide choice and flexibility within the department. The student can choose his/her elective paper. Elective is related to the major course. The difference between core course and elective course is that the core course is a regular course as the part of the curriculum whereas in elective course, there is choice for the student. The credits for Elective courses will be 10%-15% of the total credits of a program/discipline.

Inter Disciplinary Elective courses: The department is at liberty to offer three to four Inter Disciplinary Elective courses and these courses are called as inter-departmental courses. These courses are offered by a department for the students belonging to other departments. The objective is to provide mobility and flexibility outside the parent

department. These courses are introduced to make every course multi and inter-disciplinary in nature. These courses are to be chosen from a list of courses offered by various departments. The credits for Inter Departmental Courses will be 5%-10% of the total credits of a program/discipline.

6. EVALUATION OF ACADEMIC PERFORMANCE OF STUDENTS

The academic performance of student in each course will be evaluated as per Table 1.

Table 1: Structure of grading academic performance

S. No.	Grade	Qualitative Meaning	Grade points
1	O	Outstanding	10
2	A ⁺	Excellent	9
3	A	Very good	8
4	B ⁺	Good	7
5	B	Above Average	6
6	C	Average	5
7	P	Marginal/Pass	4
8	F	Failed	0
9	I	Incomplete	--
10	E	Detained	0

Description of Grades:

- 6.1. "O" Grade stands for outstanding achievement. The "P" grade stands for marginal/Pass performance. It is the minimum passing grade in any course.
- 6.2. "I" grade denotes incomplete performance. It may be awarded to a student if he/she does not appear in End Semester Examination due to some extraordinary circumstances.
- 6.3. "E" grade is awarded if student is detained i.e., attendance in theory class/laboratory is less than 75% and the student will have to repeat the course as and when offered.

6.4. "F" grade is given to the student who has appeared in the End Semester Examination but failed to get "minimum qualified marks". Student will also be awarded "F" grade if he/she is absent in the End Semester Examination without any valid reason.

Corresponding to earned letter grade for each course, the particular grade points are as given in Table 1. The Grade Point Average (GPA) is calculated by taking the number of grade points a student earned in a given period of time divided by the total number of credits undertaken for the studies. Each course is assigned with a weightage called credits. Table 2 shows the procedure to be followed to calculate number of credits for one hour of teaching per week for each course.

Table 2: Credits corresponding to one hour of Lecture/Tutorial/ Practical

S. No.	Teaching component	Credit(s)
1	Lecture	01 credit for 01 lecture hour per week
2	Tutorial	01 credit for 01 tutorial hour per week
3	Practical	01 credit for 02 practical hour per week. Three/four Laboratory hours per week shall be assigned two credits. Five/six Laboratory hours per week shall be assigned three credits. Seven/eight Laboratory hours per week shall be assigned four credits.
4	Seminar	01 credit for 01 practical/study hour per week
5	Project	01 credit for 01 hour per week or as defined in the syllabus
6	Dissertation	01 credit for 01 practical/study hour per week or as prescribed in the program/discipline.
7	Industrial Training	Equivalent to one semester though comprehensive evaluation mechanism as per defined norms.

7. EXAMINATION AND ASSESSMENT

The performance of student in each course shall be evaluated through continuous assessment consisting of examinations/tests/quizzes etc. as per the guide lines given in

Table 3. An academic calendar indicating the schedule of continuous assessment will be notified by the University before the start of the academic session.

Table 3: Continuous Assessment Criterion

Examination (Theory)	Syllabus to be covered in the examination	Time allotted for the examination	Weightage (Marks)	Remarks
Midterm Sessional Test (MST) – I	Upto 33%	1.5 Hour	24%	Best two tests shall be considered and in any case no special test will be conducted for the students who remained absent in any of the MST. MST-I, II, III and quizzes etc constitute internal evaluation.
Midterm Sessional Test(MST) – II	33 % to 66 %	1.5 Hour		
Midterm Sessional Test (MST) – III	66% to 100%	1.5 Hour		
Quizzes/Group discussion / Class discussion/ attendance/ seminars / projects/ case studies assignments etc.	As per discretion of teacher	As per discretion of teacher	16%	
End Semester Examination	100% Syllabus	3 Hours	60%	Checking of answer sheets will be done at the University level. This component is called external evaluation.
Total			100%	Marks may be rounded off to nearest integer
Practical				
Daily evaluation of practical records/Assignment/Viva Voce/ Attendance etc.			60%	Internal evaluation
Final Practical Performance + Viva Voce	100% Syllabus	3 Hours	40%	External evaluation
Total			100%	Marks may be rounded off to nearest integer

The marks computed out of 100 shall be used to find grade and grade points for each course/component. Finally grade points of all courses shall be used to compute SGPA and then CGPA.

7.1. All evaluations of different components of a course shall be done in marks for each student. The marks obtained in theory/practical courses or other teaching components shall be scaled to 100 (40 internal evaluation+60 external evaluation for Theory paper and 60 internal evaluation +40 external evaluation for Practical paper) up to next integer value. Finally the grades will be assigned to each student in each course as per following guidelines:

- (a) Absolute grading will be used for class having less than 30 (<30) registered students. The criterion is outlined in Table 4.

Table 4: Absolute grading criterion

Sr. No.	Marks	Grade	Grade points
1	≥ 90 & ≤ 100	O	10
2	≥ 80 & < 90	A+	9
3	≥ 70 & < 80	A	8
4	≥ 60 & < 70	B+	7
5	≥ 50 & < 60	B	6
6	≥ 45 & < 50	C	5
7	≥ 40 & < 45	P	4
8	< 40	F	0

Note:-The grade boundaries as indicated above may be marginally adjusted

- (b) Relative grading will be used for a class having 30 or more (≥ 30) registered students as statistical distributions are suitable for samples having 30 or more number of elements. The criterion is outlined in Table 5. Workout example for different values of σ and μ and corresponding grades has been given in Annexure-I.

Table 5: Relative grading criterion

Sr. No.	Marks	Grade	Grade points
1	$\geq \mu + 1.5\sigma$	O	10
2	$\geq \mu + 1.2\sigma$ and $< \mu + 1.5\sigma$	A+	9
3	$\geq \mu + 0.9\sigma$ and $< \mu + 1.2\sigma$	A	8
4	$\geq \mu + 0.6\sigma$ and $< \mu + 0.9\sigma$	B+	7
5	$\geq \mu + 0.3\sigma$ and $< \mu + 0.6\sigma$	B	6
6	$\geq \mu$ and $< \mu + 0.3\sigma$	C	5
7	$\geq \mu - 0.3\sigma$ and $< \mu$	P	4
8	$< \mu - 0.3\sigma$	F	0

Note:-

1. μ is mean and σ is standard deviation of marks obtained in the class
2. The grade boundaries as indicated above may be marginally adjusted
3. Lower and higher outliers can be separated before awarding the grades

7.2. "F", "I", and "P" grades:

- a) It is compulsory to secure at least 20% marks in End Semester Examination (external evaluation) of each course to be considered for grading. If a student secures less than 20% marks he/she will be awarded "F" grade in that course. It is also compulsory to appear in the End Semester Examination. If student does not appear in the End Semester Examination without the permission of Hon'able Vice Chancellor/ Dean (Academics), he/she will be awarded "F" grade in that course.
- b) "I" grade (Incomplete) would be awarded to the student who has not appeared in the End Semester Examination due to a justified reasons in extraordinary circumstances. "I" grade shall be awarded to the student only after approval from Hon'able Vice Chancellor/ Dean (Academics). In case a student get "I" grade, he/she has to appear only in End Semester Examination. His/her internal assessment marks will be freezed and he/she will be given grade as per mean and standard deviation of his/her original class without modification in grades of other students. In case, absolute grading is applicable then fixed thresholds will be used as per Table 4.
- c) "P" grade shall not be awarded for percentage of marks less than 35%. Still further, no student having 40% or more marks will be awarded failing grade "F" i.e. any student having 40% or more marks will get atleast "P" grade.

7.3. A student can apply for improvement in grade of any course in which he/she has got "P" grade. He/she will be allowed to appear only in End Semester Examination and will be evaluated as per performance of his original class. In any case grade of other students of his/her original class shall not change. The student can improve to the most in two and maximum grade can be up to "A" grade if CGPA is more than 6.0 at the end of degree. However, student can improve more than two and maximum grade can be up to "A" grade to attain the 6.0 CGPA (or 60% marks) if CGPA is less than 6.0 at the end of the degree.

7.4. A student who secures "F" grade will have an option to appear in End Semester Examination i.e. external component. His/her internal assessment marks will be

freezed and he/she will be given grade as per mean and standard deviation of his/her original class without modification in grades of other students. In case, absolute grading is applicable then fixed thresholds will be used as per Table 4. Moreover he/she will also have the option to repeat the course by re-registering in that course, whenever it is offered next time.

7.5. Every class instructor teaching a class will take attendance till the last instructional day in the semester. The statement of the attendance with marks in MST should be displayed on the notice board and submitted to the department within one week of conduct of the MST. The next day after the last instructional day, a statement of shortage of attendance i.e. detainee student list may be submitted to the department.

7.6. A student shall have to attend 75% of Lectures (including tutorials) of a course(s) otherwise he/she will be detained in that course(s).

Dean (Academics) of the University in case of University/constituent College and Principal/Director in case of affiliated institutions may condone attendance shortage upto 10% in the total for the reasons to be recorded in writing (owning to serious illness, calamity, participation in any game/sports/competitions with the approval of the Institution etc.). However, under no circumstances, a student who has an aggregate attendance of less than 65%, in a semester shall be allowed to appear in the End Semester Examination.

7.7. A student is detained in a course, whatever may be the reason for the shortfall in attendance, will not be permitted to sit for the End Semester Examination in the course. He/she will be awarded E grade for the course. In order to earn credits for this course, the student will have to re-register for the course, whenever it is offered next time. The department will not make any adjustment in time table for such students. In case a student is detained in the elective course, atleast one time in one year such course has to be offered to such student by making appropriate arrangements for conducting the classes.

7.8. There are no grade points for "F", "I" and "E" grades, so they are not considered for SGPA and CGPA. However for calculating total number of credits, all the courses allotted in the semester(s) are considered for calculation of SGPA and CGPA.

7.9. SGPA and CGPA shall be calculated up to two decimal place, after rounding off the third decimal to the nearest second place integer decimal i.e. 0.005 is to be increased to 0.01. CGPA should be computed after every semester.

7.10. To obtain "O", student has to appear in all the teaching/evaluation component of the course. However, in the view of the merit of the student, the teacher may consider to award "O" grade for a student who has not gone through all the component of the course.

7.11. A minimum of 40% of the total credits of the two semesters in each year are required to be earned for entering in the next year of the course, failing which student will not be allowed to register in 3rd of 2nd Year, 5th of 3rd Year, or 7th semester of Final year as per applicability. For example to registered for 3rd semester, 40% credits of 1 semester and 2semester subjects are required. Similarly to register for the 5th semester 40% credits of 3rd and 4th semester subjects are required.

7.12. An honors degree will be conferred at CGPA of 8.0 or above provided student should not have obtained even a single "F" or "E" in any course during whole duration of the course.

8. COMPUTATION OF SGPA and CGPA

The performance of a student will be evaluated in terms of two indices, viz., semester grade point average (SGPA) and cumulative grade point average (CGPA) for the completed semesters at any point in time. SGPA and CGPA shall be calculated up to two decimal places, thus 0.005 to be rounded off to 0.01.

8.1. Semester Grade Point Average (SGPA): The performance of a student in a particular semester will be measured by semester grade point average (SGPA), which is a weighted average of the grades secured in all the courses/teaching components taken in a semester and scaled to a maximum 10.

Let the grade points associated with the letter grades awarded to a student in assigned courses are g_1, g_2, g_3, g_4, g_5 and the corresponding credits are w_1, w_2, w_3, w_4, w_5 , the SGPA will be calculated as

$$\text{SGPA} = \frac{w_1 g_1 + w_2 g_2 + w_3 g_3 + w_4 g_4 + w_5 g_5}{w_1 + w_2 + w_3 + w_4 + w_5}$$

In general, it can be written as

$$\text{SGPA} = \frac{\sum_{i=1}^m w_i g_i}{\sum_{i=1}^m w_i}$$

where w_i is credit of i^{th} course, g_i is grade point of i^{th} course and m is number of courses in one semester.

For instance, suppose a student is registered for one 5-credit course, four 4-credit course and one 3-credit course during a semester i.e., a total 24 ($5+4 \times 4+3$)-credits. If he/she secures O, A⁺, A, B⁺, B & P grades respectively in these courses, his/her SGPA can be calculated as follows:

$$\begin{aligned} \text{SGPA} &= \frac{(5 \times 10 + 4 \times 9 + 4 \times 8 + 4 \times 7 + 4 \times 6 + 3 \times 4)}{24} \\ &= \frac{182}{24} = 7.58 \end{aligned}$$

SGPA will be calculated up to two decimal place only.

8.2. Cumulative Grade Point Average (CGPA): The cumulative grade point average (CGPA) indicates the overall academic performance of a student in all the courses registered upto and including the latest completed semester. It is computed in the same manner as the SGPA, considering all the courses (say n), and is given by

$$\text{CGPA} = \frac{\sum_{i=1}^n w_i g_i}{\sum_{i=1}^n w_i}$$

The grades of any and all repeated courses shall be included in the official transcripts. However once a student repeats and passes a course in which he/she had failed earlier, the earlier fail grade do not enter into the computation of CGPA.

9. CONVERSION OF CGPA TO PERCENTAGE

The conversion of SGPA or CGPA to Percent score will be carried out by multiplication of respective SGPA or CGPA by a factor of 10. The equivalence between important percentages in absolute marks system and CGPA is given in Table 6.

Table 6: Equivalence between Percentages in absolute marks system and CGPA

CGPA	4	5	6	7	8	9	9.5
Percentage	40	50	60	70	80	90	95

CGPA of 6 is equivalent to 60 percent for first division.

10. EVALUATION SYSTEM FOR CONSTITUENT AND AFFILIATED COLLEGES/INSTITUTIONS OF IKGPTU

For affiliated Institutions, the End Semester Examination will be held at the University level, as per the pattern followed by the University time to time.

10.1. Grading for Theory courses

a. Internal Evaluation

The grading for internal evaluation will be carried out at the college/institution level following Table 4 or 5. The Grades along with marks obtained, mean, standard deviation and grade range will be submitted to the University.

b. External Evaluation

The grades for End Semester Examination will be carried out at the University level and then overall grading will be prepared by the University giving prescribed weightage to the internal evaluation and End Semester Examination.

10.2. Grading for Practical courses

a. Internal Evaluation

The grading for practical courses will be prepared by respective institution following Table 4 or 5 for internal evaluation and institution will submit the

grades along with marks obtained, standard deviation, mean and grade range to the University.

b. End semester Examination (External evaluation)

The grading for practical courses will also be carried out at the institution with consultation of the External Examiner for external evaluation. The institute will prepare the grades and will submit the grades along with marks obtained, mean, standard deviation and grade range to the University.

c. Overall Grading

The University will prepare overall grading for practical course, giving prescribed weightage to the internal evaluation and external evaluation.

Note:-

- 1. Relative grading for End Semester Examination will be followed by the Institutions having the Academic Autonomy. The grading will be done at Institute level. The grading will be done after showing the Answer sheets to the students and thereafter no re-evaluation will be done for End Semester Examination.*
- 2. Absolute grading will be followed by the University only for the Institutions those are not having the Academic Autonomy for End Semester written Examination (Theory) only. Absolute grading in this case is the only possible solution as the students have to be allowed for re-evaluation for the End Semester Examination.*

Requirement for Number of credits to award a degree has to be deliberated

Jurisdiction: All disputes will be settled under the jurisdiction of Jalandhar Court.

Annexure-I

Workout example for different values of σ and μ and corresponding Grades									
μ	σ	$\mu+1.5\sigma$	$\mu+1.2\sigma$ $<\mu+1.5\sigma$	$\mu+0.9\sigma$ $<\mu+1.2\sigma$	$\mu+0.6\sigma$ $<\mu+0.9\sigma$	$\mu+0.3\sigma$ $<\mu+0.6\sigma$	$\mu+0.0\sigma$ $<\mu+0.3\sigma$	$\mu-0.3\sigma$ $<\mu-0.0\sigma$	$<\mu-0.3\sigma$
50	10	65	62<65	59<62	56<59	53<56	50<53	47<50	<47
50	20	80	74<80	68<74	62<68	56<62	50<56	44<50	<44
55	10	70	67<70	64<67	61<64	58<61	55<58	52<55	<52
55	20	85	79<85	73<79	67<73	61<67	55<61	49<55	<49
60	10	75	72<75	69<72	66<69	63<66	60<63	57<60	<57
60	20	90	84<90	78<84	72<78	66<72	60<66	54<60	<54
		O	A ⁺	A	B ⁺	B	C	P	F



Punjab Technical University

(Jalandhar-Kapurthalla highway)



Notification

No.PTU/Reg/BOS/Notification/305

Dated: 25-06-2014

The Vice-Chancellor of the Punjab Technical University is pleased to constitute the following Board of Studies (undergraduate) for a period of two years from the date of notification. This Board of Studies will work under the overall supervision of Dean (Academics) and Mrs. Parmjit Kaur, Assistant Registrar (Academics) will coordinate as a nominee of Dean Academics for all BOS. Each BOS has one coordinator from PTU internal system. The coordinator will be responsible for all the affairs of concerned BOS and will to maintain all the related records with him.

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	Dr. Harpreet Singh	Associate Professor, IIT Ropar	9855709052	
	Er. Pardeep Jindal	Assistant Prof. YCoE Talwandi saboo	9501039898	pardeepjindal79@gmail.com
Outside Expert	CU/PHD/TIE	Nominee		
	TPO PTU	Nominee		
	Er. Ashok Gupta	MD, OSho Tools, Ludhiana	9815436361	Ashok.gupta953@gmail.com
Coordinator	Dr. Avtar Singh Buttar	Associate Professor, PITK PTU	9478098053	

Chairman	Dr. Surjit Singh	Visiting Professor, PITK, PTU	9814821290	
Professor	Dr. R. Kumar	Professor, Deptt. of Computer Applications, PCTE Bhadowal	9815253663	rkumar@pcte.edu.in
	Dr. Sukhwinder Singh	Professor, Deptt. of CSE, UIET, Panjab University Chandigarh	01722534968 94177-56421	sukhdalio@yahoo.com
	Dr. R. K. Singla	Professor, Department of (DCSA), Panjab University, Chandigarh	9872222104	rklsingla@pu.ac.in
Associate Professor	Mr. Simran Thapar	Associate Professor, ACET Amritsar		
	Dr. Sandeep Kumar	Associate Professor, Department of Computer Science, GNDU Amritsar	9855590815	Sandeep_gndu@yahoo.com
	Dr. Kapil Prasher	Associate Prof., Deptt. of Computer Applications, PCTE, Badhowal	9815400691	kapilprasher@pcte.edu.in
Assistant Professor	Dr. Harish Kumar	Associate Professor, UIET, Panjab University, Chandigarh	9815964121	harishk@pu.ac.in
	Er. Rajdeep Singh	Asst. Professor, Deptt. of CSE, Panjab Technical University	9478098065	ptuap_csc@yahoo.com
	Dr. Pankajdeep Kaur	Assistant Professor, Deptt. of CSE, GNDU Regional campus Jalandhar		pankajdeepkaur@gmail.com
Outside Expert	CU/PHD/TIE	Nominee		
	TPO PTU	Nominee		
	CU/PHD/TIE	Nominee		
Coordinator	Er. Rajdeep Singh	Asst. Professor, Deptt. of CSE, Panjab Technical University	9478098065	ptuap_csc@yahoo.com

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SBS Management Committee Members				
Chairman	Dr. J.P. Sibia	Professor, PTU's Gian Jyoti School of Excellence, Mohali	9815003080	sibiajps@gmail.com
Professor	Dr. R. K. Gupta	Professor, Panjab University, Chandigarh (Deptt. of Commerce USOL)	0172-2772791 @ 09988186326	rakeshdcgs@yahoo.co.in
	Dr. Mahesh Garg	Prof. Haryana Business School, GJ University of Science & Tech. Hisar	09896085434	mc_garg@yahoo.com
	Dr. Rajesh Bagga	Prof. APJ Instt. Jalandhar		
Associate Professor	Dr. Sonia Chawla	Professor, Deptt. of Management, DAVIET, Jalandhar	9888250412	mimirohit@gmail.com; tannuchawla@yahoo.com
	Dr. R. P. Singh	Associate Director Management, SBS CET, Ferozepur	8054011077	rpsinghromv@gmail.com
	Dr. Harmeen Soch	Associate Professor Punjab Technical University	9815041729 9478098051	harneensoch@yahoo.com
Assistant Professor	Dr. Kapil Gupta	Assistant Professor, PIM, PTU	9478098074	kapilfutures@gmail.com
	Dr. Mandeep Kaur	Assistant Professor, PTU	9478098056	Mandeeparora.ptu@gmail.com
	Dr. Sanjeev Bansal	Assistant Professor Commerce, PTU	947809802	
Outside Expert	CH/PHD/TIE	Nominee		
	Dr. Raj Singh	(ROC CHANDIGARH and SHIMLA) , CORPORATE BHAWAN, PLOT NO.4 B, SECTOR 27 B, MADHYA MARG, CHANDIGARH - 160019		
	Dr. Nachhattar Singh	Principal, Co-operative Bank Training Instt. Jalandhar	9417803364	
Coordinator	Dr. Pooja Mehta	Assistant Professor Management PTU	9478098057	pooja24k@yahoo.com
SBS Management Committee Members				
Chairman	Dr. GD Gupta	Director, ASBASJSMCP, Bela	9417862160	drdgc@rediffmail.com
Professor	Dr. Hemant Chopra	Prof. & Head Deptt. of ENT, DMC Ludhiana	9876304555	Hemantent23@gmail.com
	Dr. Balbir Singh Shah	Professor Pathology, Medical Director Shri Guru Teg Bhadur Hospital Model Town Ludhiana	9815809999	balbirshah@hotmail.com
	Dr. Anurag Gupta	Dy. Medical Superintendent, Fortis Escorts Hospital, Amritsar-143004	9501022244	anurag.gupta@fortishealthcare.com
Associate Professor	Dr. Malkit Singh	Tutor MLT, Department of MLT, PGI Chandigarh	9988557124	dr.malkitsingh@gmail.com
	Dr. Dinesh Jain	DMC Ludhiana	9815532533	drindinesh@yahoo.co.in
	Dr. S.C. Bansal	Lecturer Medical Technology (Radio diagnosis) PQIMER Chandigarh	09914209389	schansal38@gmail.com; jartindia@yahoo.com
Assistant Professor	Dr. Pramod Kumar	Assistant Professor, Deptt. of Biostatistics, PQIMER Chandigarh	9914209854	guptapkg@gmail.com
	Dr. Chandra Prakash	Asst Professor, Biology PTU	9478098059	chanderc@ptu.ac.in; arvavare@gmail.com
	Dr. Shabir Sidhu	Assistant Professor Pharmacy, PTU	94787098064	ptuap_pharmacy@rediffmail.com
Outside Expert	Dr. Neerja Dhiagra	MBBS, MD, #1421, Sec15, Panchkula Hayrana	09815176057	drankur@hotmail.com
	TPO PTU	Nominee		
	CH/PHD/TIE	Nominee		
Coordinator	Dr. Shabir Sidhu	Assistant Professor Pharmacy, PTU	94787098064	ptuap_pharmacy@rediffmail.com

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Chairman	Dr. Rajneesh Kant Sachdev	Dy. Dean PTU/ officiating Registrar, PTU	9478098021 9478098002 9814689269	plurajneesh@yahoo.co.in registrar@ptu.ac.in tmsabharwal@yahoo.co.in
Professor	Dr. TP Singh	Professor (Rt) Plant Breeder, PAU, 294 R Model Towan, Ludhiana	9814435516	drjogindersingh@hotmail.com
	Dr. Joginder Singh	Professor (Rt) Agri Economist PAU, 44 Shant Park, Barewal Road, LDH.	98555541579	jaspau@rediffmail.com
	Dr. Jaswant Singh	Professor (Rt.) Entomologist PAU, 6B Shashtri Nagar Ludhiana	9417859499	kc_chaudhary@rediffmail.com
Associate Professor	Dr. K.C.Dhaudhary	Professor (Rt.) Animal Nutritionist, 32, Satuguru Nagar Ludhiana	9876052285	
	Dr. J.S.Bal	HOD Agricultural Deptt. Khalsa College Amritsar (GNDU Asr.)	09013473811	n.singh@rediffmail.com
	Dr. Navcen Singh	Senior Scientist (Plant Breeding) Division of Plant Breeding, IARI, New Delhi	09501115223	drssbal@yahoo.co.in
Assistant Professor	Dr. S.S. Bal	Director of Seed (Rt.), PAU Ludhiana	09417118704	nirgunn@gmail.com
	Dr. Navtej Singh	Assistant Professor Khalsa College, Amritsar (GNDU)	09416791505	ksrewal@gmail.com
	Dr. K.S. Grewal	Senior Soil Scientist, CCS, Haryana Agricultural University		
Outside Expert	CI/PHD/TIE	Nominee	9478098040	Navdeepak.ptu@gmail.com
	TPO PTU	Nominee		
	CI/PHD/TIE	Nominee		
Coordinator	Er. Barinderjit Singh	Assistant Professor Food Technology, PTU	9478098069	ap.ft@ptu.ac.in

Functions of the Board of Studies shall be as under:-

1. The Board of Studies shall perform the following functions :-

- To recommend the curriculum and courses of Studies including the text books/ reference books for various subjects of undergraduate and postgraduate studies.
 - To recommend the names of paper setters, internal and external examiners for undergraduate and postgraduate courses.
 - To frame, wherever necessary, guidelines for the paper setters to enhance the quality of question papers.
 - To recommend a list of reference books, periodicals, reports etc., pertaining to the subject concerned, for the Library.
 - To recommend the list of equipments and the norms for the recruitment of Technical Staff.
 - To recommend measures for the periodical assessment and improvement of the standards of Undergraduate and Postgraduate Studies.
 - To act as a consultative body in regard to all references made to it and to bring to the notice of concerned authorities any matter connected with subjects under the purview of the Board.
 - To recommend panel of Editors for preparation of anthologies.
 - To deal with any other matter referred to it.
 - To establish equivalence of curriculum in the studies of the discipline.
2. Each Board of Studies shall have a term of two years starting from July.
3. Meeting of the Board of Studies shall be called by the Chairman as and when considered necessary, but not than twice in a Calendar year.

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4. 50% of the total members of the Board of Studies shall form the quorum for a meeting of the Board of Studies.
5. Board of Studies may transact business either at a meeting or by circulation, if considered necessary.
6. Any member of the BOS can be replaced on recommendation of BOS Chairperson based on the continuous absence of any member. The vacant slots of the BOS will be filled later on by the Dean, Academics.
7. The Chairman shall call meeting of the Board of Studies as and when considered necessary. But not less than two meetings must be held in academics years and the gap between two meetings shall not be more than 180 days.
8. TA/DA & Honorarium paid to the members and other invitees of the meeting will be paid as per the Punjab Technical University norms.


Registrar
Punjab Technical University
Jalandhar-Kapurthala Highway

Copy is forward to:

1. OSD to Vice Chancellor
2. Dean (Academics) PTU
3. Dean (RIC) PTU
4. Finance Officer, PTU
5. Controller of Examination
6. Director (Distance Education Program) PTU
7. Director College Development, PTU
8. Central Library, PTU
9. All Chairperson & Members of BOS
10. All concerned



Receipt No : 16561/2013/VC

डॉ० आर. मनोज कुमार
शिक्षा अधिकारी

Dr. R. Manoj Kumar
Education Officer



विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग,
नई दिल्ली - 110 002
UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI - 110 002

Phone : 011-2323 8849
E-Mail: rmkumar@ugc.ac.in

BY SPEED POST

16 JAN 2013

January, 2013

D. O. No.14-7/2009(CPP-II)

Dear Madam/Sir,

Subject: Introduction of Cyber Security/Information Security as a subject.

This is with reference to the recommendation of the Task Force on National Security System constituted on the direction of the Cabinet Committee on Security. The Task Force has made the following recommendation:-

UGC and AICTE would ensure that Cyber Security/Information Security is introduced as a subject in the universities/technical institutions at the under-graduate and post-graduate levels.

Therefore, I am directed to request you to take appropriate action on the above recommendation. This may also be brought to notice of the colleges, if any, affiliated to your university.

Yours faithfully,

(R. Manoj Kumar)
Education Officer

To
The Vice-Chancellor
Punjab Technical University
Ladowali Road,,
Near Govt. College of Education,
Jalandhar-144 001
(Punjab)

डॉ० मनोज कुमार - डॉ० प्रोफि
रिजिस्ट्रार BOS-Comp.Sc
डॉ० प्रोफि
डॉ० अजय कुमार

3/6/13

Receipt No : 34951/2015/DDE

Information Security For Graduation (Non- Engineering)

Section A:

Information Security Concepts : Information Security Overview: Background and Current Scenario, Principles of Security- Information Classification, Policy Framework, Role based Security in an organization, Components of Information Systems, Balancing Information Security and Access, Approaches to information Security Implementation, Security Systems Development Life Cycle.

Section B:

Security Threats and Vulnerabilities: Overview of Threats and Vulnerabilities-Intruders, Malicious Software, Viruses and related Threats, Desktop Security ,Email security: PGP and S/MIME, Web Security: Web authentication, SSL and SET, Database Security . Firewalls-Overview, Design principles and Types.

Section C:

Security Management and Laws: Introduction to Security Management, Access Control and Intrusion Detection, Overview of Identification and Authorization, Intrusion Detection Systems and Intrusion Prevention Systems, Security Procedures and Guidelines, Business Ethics and Best Practices, Security Assurance, Security Laws, IPR , International Security Standards, Security Audit, SSE-CMM / COBIT etc.

Section D:

Cryptography : Concepts and Techniques, Symmetric and Asymmetric Key Cryptography, Steganography , Symmetric Key Ciphers- DES, AES (Structure and Analysis). Asymmetric Key Ciphers- Principles of Public Key cryptosystems, RSA Algorithm and its Analysis. Digital Signatures.

Suggested Books

- 1) Introduction to Information Security and Cyber Laws Paperback - by Surya Prakash Tripathi (Author), Ritendra Goel (Author), Praveen Kumar Shukla (Author)
- 2) Principles of Information Security. Paperback - by Whitman (Author)
- 3) Cryptography and Information Security Paperback – by Pachghare V. K. (Author)

Receipt No : 34951/2015/DDE

Information Security For PG (Non- Engineering)

Objectives: Upon completion of this course, students will have gained knowledge of information security concepts and understanding of Information Security principles and approaches.

Module1: Symmetric Ciphers - Overview: Services, Mechanisms and Attacks, The OSI Security Architecture, A Model of Network Security. Classical Encryption Techniques: Symmetric Cipher Model, Substitution Techniques, Transposition Techniques, Rotor Machines, Steganography. Block Cipher and the Data Encryption Standard: Simplified DES, Block Cipher Principles, The DES, The Strength of DES, Differential and Linear Cryptanalysis. Symmetric Ciphers: Triple DES, Blowfish. Confidentiality using Conventional Encryption: Placement of Encryption Function, Traffic Confidentiality, Key Distribution, Random Number Generation.

Module2: Public Key Encryption, Digital Signatures - Number Theory, Prime Numbers Format's and Euler's Theorems, Testing for Primality. Public Key Cryptography and RSA: Principles of Public Key Cryptosystems, The RSA Algorithms, Key Management, Diffie Hellman Key Exchange.

Module3: Authentication Protocols - Message Authentication: Authentication Requirements, Authentication Functions, Message Authentication Codes, MD5 Message Digest Algorithms, Digital Signatures and Authentication Protocols: Digital Signatures, Authentication Protocols, Digital Signature Standards.

Module4: Network Security - Authentication Applications: Kerberos, X.509 Directory Authentication Service. Electronic Mail Security: Pretty Good Privacy. IP Security: Overview, IP Security Architecture, Authentication Header, Encapsulation Security Payload. Web Security: Web Security Requirements, Secure Sockets Layer and Transport Layer Security, Secure Electronic Transaction.

Module5: System Security- Intruders, Malicious Software, Viruses and Related Threats, Counter Measures, Firewalls and its Design Principles.

Suggested / Readings & Books

1. William Stallings, Network Security Essentials, Applications and Standards Pearson Education.
2. William Stallings, Cryptography and Network Security Principles and Practice, 2/e, Pearson Education.
3. Bishop, Matt, Introduction to Computer Security. Addison-Wesley, Pearson Education, Inc. ISBN: 0321-24744-2. (2005)
4. Michael E. Whitman and Herbert J. Mattord Principles of Information Security, Cengage Learning
5. Atul Kahate Cryptography & Network Security, TMH, 2nd Edition 6. Charlie Kaufman, Radia Perlman, Mike Speciner, Network Security: Private Communication in Public World, 2nd Edition, 2011, Pearson Education.

Annexure X

Punjab Technical University

Notification

Ref. No. PTU/Reg/Notification/558

Date: 18.03.2015

Subject: Regarding pre-requisite courses for getting direct admission in 2nd/4th semester during January Session.

Course	Branch	Pre-requisite Subject	Before studying next sem/ subject
Bachelor's	Mobile Computing and Internet	Mathematics 1 (BMC1 101)	Mathematics 2 (BMC1 201)
		Programming in C (BMC1 104)	OOP in C++ (BMC1 203)
		Software Lab 2 Programming in C (BMC1 106)	Software Lab 3 Programming in C++ (BMC1 205)
		IT	SAD
Bachelor's	Animation and multimedia Technology	Principals of animation (AMT 102), Principal of animation Lab	Color theory and image graphics lab (AMT 202), 2-D animation lab (AMT 203), 3-D animation lab (AMT 204), cell animation LAB (AMT 205)
		Design and Communication Process (AMT 103)	Color theory and image graphics lab (AMT 202)
		Basic computer skills	(must)
M Sc	IT	Computer fundamentals	(must)
B SC	Information Technology	Programming in C (BS 105)	Data Structure (BS 108)
		Programming in C Lab (BS 109)	Data Structure Lab (BS 110)
		Maths-1	Maths2
		Fundamental of IT	(must)
B Sc	IT LEET	CSA	Microprocessor
M Tech	CSE	Advanced Software Engineering (CS 501)	Elective II Software Engineering Methodologies (CS 514)
M Tech	Information Technolgy	Advanced Database Management System (CS 507)	Data warehousing and Data Mining (IT 510)
B SC	Computer Science	Classical Mechanics (BCS 103)	Theory of relativity and Electromagnetism (BCS 203)
		Electrodynamics ((BCS 104)	Theory of waves and oscillations (BCS 204)
		calculus	PD and DE
		C	C++
		IT	Computer architecture
Bachelor's	B.Comm.(Professional)	All subjects are pre requisite	--
Bachelor's	Bachelor in Rural Development & Mgt.	Same as BBA 1 st & 2 nd Semester	--
Bachelor's	Bachelor in Service Industry Management	Same as BBA 1 st & 2 nd Semester	--
Master's	M.Comm.(Prof.)	All subjects are pre requisite	--
Master's	M.Sc.(SIM)	All subjects are pre requisite	--
Master's	Master in Education and Counselling Management	All subjects are pre requisite	--
B.Tech	Electronics & Instrumentation Engg	EE-201 Network Analysis & Synthesis	IC-204 Linear Controls Systmes
		EE-201 Network Analysis & Synthesis	EC-206 Signals and Systems
		AM-201 Applied Mathematics	EC-208 Electromagnetic Field theory.

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B.Tech.	Electronics & Computer Engg	BTAM-301 Mathematics-III	BTEL-401 Numerical Methods
	Electronics & Computer Engg	BTCS-305 Object oriented Programming and C++	BTCS-304 Data structures
B.Tech	Electronics & Communication Engg.	BTEC-301 Analog Circuits and Devices	BTEC-405 Pulse wave shaping and switching
		BTAM-301 Mathematics III	BTEL-401 Numerical Methods
		BTCS-305 Object oriented Programming and C++	BTCS-304 Data structures
B.Tech	Electronics & Tele communication Engg.	BTEC-303 Network Analysis and Synthesis	BTEC-403 Electromagnetics and Antennas
		BTEC-303 Network Analysis and Synthesis	BTEC-404 Electronic Measurements & Instrumentations
B.Tech	Marine Engineering	BTME-302 Theory of Machines I	BTME-402 Theory of Machines II
		BTME-301 Strength of Materials I	BTME-401 Strength of Materials II
		Manufacturing Process	Ship Structures
M.Tech	ECE	EC-503 Data Communication Network	EC-509 Information Theory and Coding
		EC-501 Advanced Mathematics for Engineers, EC-505 Neural Network and Fuzzy Logic	EC-508 Digital Speech & Image Processing
M.Tech	VLSI	VL-512 VLSI Design concepts and VL-515 Design of Analog/Mixed Mode VLSI Circuits	VL-522 ASIC Design and FPGA
		VL-513 Hardware Description Languages, VL-511 Semiconductor Devices	VL-524 Embedded Systems
M.Tech	Electronics Product Design and Technology	MTET-101 Microelectronics Technology	MTET-201 Embedded System Design
		MT-102 Computer Integrated Manufacturing Systems	MTET-204 Physical Design of Electronic Equipments
		MT-104 Advanced Digital System Design	MTET-203 Advanced Digital Signal Processing
M.Tech	Embedded Systems Design	MTED-101 Digital system design and MTED-105 Software technology for Embedded systems	MTED-201 Embedded system design
		MTED 104 Real time systems	MTED-204 Real time Operating Systems
M.Tech	Electrical Engg.	MTRM-101 Research Methodology in either first or second sem.	subjects of 3rd & 4th subjects
		MTEE- 101 Power System Analysis & Design	MTEE-201 Power System Operation & Control
M.Pharma	Pharmaceutical Chemistry	No Pre requisite	
M.Pharma	Pharmaceutics	No Pre requisite	
M.Pharma	Pharmaceutics	No Pre requisite	
M.Tech	CAD-CAM	No Pre requisite	
M.Tech	Mechanical Engg	No Pre requisite	
M.Tech	Production Engg.	No Pre requisite	

B.Sc.	Bio Technologoy	BSBT-105 Introdoucation & Fundamentals of Biotechnology	BSBT-102 Cell Biology
		BSBT-109 Biostatistics BSBT-109 (B)** Basics of Biosciences	BSBT-104 General Microbiology BSBT-108 BioChemistry BSBT-110 Genetics
		BSBT-113 Introdoucation & Fundamentals of Biotechnology Lab	BSBT-112 Cell Biology Lab
M.Tech	Construction Technology & Mgt. (Ful Time)	CT-501 Construction Management and Equipment 2. CT-502 Concrete Construction Technology 3. CT-503 Computational Techniques 4. CT-504 Building Planning and Design 5. CT- Elective-I CTM-509 Environment Engineering & Management 2. CTM-510 Bridge Engineering	
M.Tech	M.Tech. (Structural Engineering) - Full Time	CE-501 Dynamics of Structures CE-502 Bridge Engineering CE-503 Theory and Design of Plates and Grids CE-504 Pre Stressed Concrete Structures CE-505 Advanced Structural Analysis.	
M.Tech	M.Tech. (Structural Engineering) - Part Time	The student has to study 12 theory subjects irrespective of the semester as there is no pre-requisite for any subject.	
Bachelor	Bachelor in Fashion Technology	All subjects are pre requisite	As per MOM dated 15/12/2014 BOS Fashion Technology "All the course of Fashion Technology of 1 st /3 rd semester are pre-requisite for getting admission in 2 nd / 4 th semester
Bachelor	B.Sc.(Fashion Design)	All subjects are pre requisite	
Bachelor	B.Sc.(Textile Design)	All subjects are pre requisite	
Bachelor	B.Sc.(Fashion Design Knits)	All subjects are pre requisite	
Master	Masters in Fashion Technology	All subjects are pre requisite	
Master	M.Sc.(Garment Manufacturing Tech.)	All subjects are pre requisite	
Master	M.Sc.(Fashion Mkt. Mgmt.)	All subjects are pre requisite	
Bridge Course	Bridge Course- B.Sc.(Fashion Design Knits)	All subjects are pre requisite	
Bridge Course	Bridge Course- B.Sc.(Fashion Design)	All subjects are pre requisite	
Bridge Course	Bridge Course- B.Sc.(Textile Design)	All subjects are pre requisite	

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Bridge Course	Bridge Course- M.Sc.(Fashion Mkt. Mgmt.)	All subjects are pre requisite	
Bridge Course	Bridge Course- M.Sc.(Garment Manufacturing Tech.)	All subjects are pre requisite	
Bachelor	B.Sc. ATHM	No pre-Requisite	
Bachelor	B.Sc. HMCT	No pre-Requisite	
Bachelor	HMCT (4 Yrs)	No pre-Requisite	
Master	M.Sc. HMCT	No pre-Requisite	
Master	M.Sc. ATHM	No pre-Requisite	
Bachelor	B.Tech Mech Engg	BTME 301 Strength of Materials - I	BTME 401 Strength of Materials - II
		BTME 302 Theory of Machines - I	BTME 402 Theory of Machines - II
Bachelor	B.Tech Prod Engg	BTPE 301 Strength of Materials	BTPE 401 Design of Machine Elements
		BTPE 302 Machine Drawing	BTPE 401 Design of Machine Elements
		BTPE 304 Theory of Machines	BTPE 401 Design of Machine Elements
Bachelor	B.Tech Autom. & Robo. Engg.	BTAR 304 Strength of Machine Elements	BTPE 401 Design of Machine Elements
		BTAR 305 Kinematics of Machines	BTPE 401 Design of Machine Elements
Bachelor	B.Tech Civil Engg	BTCE-301 Fluid Mech-I	BTCE-404 Fluid Mech-II
		BTCE-301 Fluid Mech-I	BTCE-405 Irrigation Engg-I
		BTCE-303/307 Strength of Materials/ Lab	BTCE-403/407 Design of Concrete Structure-I
		BTCE-303/307 Strength of Materials/ Lab	BTCE-406/408 Structural Analysis
		BTCE-304 Surveying	BTCE-401 Geomatics
Bachelor	B.Tech Textile Engg	BTTE-302 Introduction of Textiel Engg.	BTTE-401 Yarn Manufacture-I
		BTTE-301 Textile Fibre -I	BTTE-402 Textile Fibre-II
		BTTE-302 Introduction of Textiel Engg.	BTTE-403 Fabric Manufacture-I
		BTCH-101 Engineering Chemistry	BTTE-404 Textile Chemical Processing-I
		BTTE-301 Textile Fibres-I	BTTE-405 Fabric Structure & Analysis
Bachelor	B.Sc. Agricultural	All Pre-Requisite	

The degree will be awarded after completion of the minimum time prescribed by the University.

[Signature]
Registrar

CC :

1. PS to VC for the kind information of the Vice-Chancellor
2. Dean (Academics)
3. Controller of Examination
4. All Concerned.

[Signature] 74.