

AGENDA POINTS FOR 53rd MEETING (SPECIAL MEETING) OF ACADEMIC COUNCIL SCHEDULED TO BE HELD ON 14.09.2020 AT 02:00 PM ONLINE THROUGH ZOOM APP.

A. STATUTORY AGENDA

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ANY OTHER AGENDA

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AGENDA FOR 53rd MEETING (SPECIAL MEETING) OF ACADEMIC COUNCIL SCHEDULED TO BE HELD ON 14.09.2020 AT 02:00 PM ONLINE THROUGH ZOOM APP.

A. STATUTORY AGENDA

53.01 To confirm the proceedings of 52nd Academic Council meeting held on 16th January, 2020.

The 52nd Academic Council meeting was held on 16th January, 2020 and the proceedings were circulated to all members for information and comments, if any (copy is enclosed at **Annexure – I**).

No comments have been received.

The approved proceedings of the 52nd Academic Council are placed before Academic Council for confirmation please.

53.02 Action Taken Report (ATR) of the 52nd Academic Council Meeting held on 16th January, 2020.

The status of Action Taken Report (ATR) on the decisions of the 51st meeting of the Academic council is enclosed as **Annexure – II**.

The item is placed before the Academic Council for information and approval.

B. AGENDA FOR RATIFICATION

53.03 To ratify the decisions taken by the Chairman, Academic Council in anticipation of the approval of the Academic Council.

53.03.1 To ratify the results of students in Intermediate semesters

Due to Covid-19 pandemic, all educational institutions are closed since march-2020. As per UGC guidelines & directions issued by Govt. of Punjab vide memo No 10/20/2020-4TE2/1047 dated 18.08.2020, results of the students studying in intermediate semesters were declared on the basis of

internal assessments (50% weightage) & performance of theory papers of previous semester. Keeping in view the career of the students, proposal was put up for approval to Chairman Academic Council cum Vice Chancellor, so that students could be promoted to next semesters and can start their studies. Proposal was approved and now the matter is placed before academic council for ratification.

Item is placed before the council for ratification.

53.03.2 To ratify the revised Academic Calendars for Session 2019-20 (Even Semester) and for Session 2020-21 (Odd Semester).

In view of COVID-19 and Academic Calendar issued by AICTE, University has issued an Academic Calendar Vide No. IKGPTU/DA/Spl/10052020/01 dated 10-05-2020 (copy enclosed as **Annexure – III**).

The above calendar was revised vide IKGPTU/DA/2396 dt. 28-07-2020. (copy enclosed as **Annexure – IV**).

In view of Government notification TECH-TE-2013/1/2020-5TE1/I/59905/2020 dt. 05.08.2020 & TECH-TE-2013/1/2020-5TE1/I/59902/2020 dt. 05.08.2020 the last date upto which admission process is to completed is 20th October, 2020, declaration of result of both rounds of online centralized counselling, and to recover the academic loss of the students the Academic Calendar was again revised and the same is placed at **Annexure – V**.

The above academic calendars were approved by the Vice-Chancellor-cum-Chairman, Academics Council.

Item is placed before the council for ratification.

53.03.3 To approve minutes of various Board of Studies for revision of syllabus / scheme of Programmes.

Keeping in view the demand of the Industry and latest trends in technical education, various Board of Studies of the University have revised the course curriculum /scheme of different programmes. Chairman, Academic council has already approved the same. The list of programmes and courses for which curriculum was revised is placed at **Annexure -VI**. The revised scheme and syllabus is available on University website <https://www.ptu.ac.in/Syllabus/..aspx>

Item is placed before the council for ratification

53.03.4 To ratify the approval of continuation of specialization in Human Resource only during fourth semester for Col. Jagvinder Pal Singh Cheema, University Roll No. 1812063 of MBA course, 2018 batch.

Keeping in view of the career of student, Col. Jagvinder Pal Singh Cheema, University Roll No.1812063, of MBA programme, 2018 batch of KCLIMT, Jalandhar allowed to pursue MBA (Human Resource) with Major Specialization only in fourth semester with the condition that the student will study all core subjects of 4th semester of MBA, 2018 batch with four elective subjects of MBA (Human Resource) within stipulated period.

Keeping in view of Covid-19 pandemic, college was directed to to make the necessary arrangements for conducting online classes of student as per University norms.

A letter was issued in this regard vide No. IKGPTU/DA/Spl/05012020/01 Dated : 01-05-2020 is placed at Annexure - **Annexure –VII.**

Item is placed before the council for ratification.

53.03.5 Start of new New M.Tech Programs from session 2020-21 onwards.

University started the following M. Tech. programmes w.e.f. session 2020-2021 onwards. The eligibility criteria and duration of the course is also mentioned against each :

Sl. No .	Nomenclature of the course	Eligibility Programme	Duration of the Programme
1	M. Tech (Artificial Intelligence)	B.E. / B. Tech. (CSE/ IT/ Software Engg./ Computer Engg./ Software Systems/ Information Security/ Cyber Security/ Computational Engg./ Machine learning) with atleast 50% (45% in case of candidate belonging to reserved category).	04 Semester / 02 Years
2	M. Tech CSE (Cyber Security)	B.E. / B. Tech. (CSE/ IT/ Software Engg./ Computer Engg./ Software Systems/ Information Security/ Cyber Security/ Computational Engg./ Machine learning) with atleast 50%(45% in case of candidate belonging to reserved category).	M Semester / 02 Years

A copy of notification No. IKGPTU/Reg/NF/DA/1788 dt. 11.09.2020 is attached at **Annexure – VIII.**

Item is placed before the council for ratification.

53.03.6 Regarding shifting to Industrial Training for Hotel Management & Catering Technology, UG & PG programs for session 2020-2021 only, due to COVID-19 Pandemic.

Due to COVID-19 Pandemic, Board of Studies for Hotel Management Tourism and Travel Management had change the training of the following courses as per details given below for session 2020-2021 only:

Sl. No.	Name of the Course	Semester in training is scheduled as per syllabus	Semester in training is shifted due to COVID-19	Remarks
1.	Bachelor of Hotel Management (UGC)	3 rd Semester	4 th semester	The subjects to be taught in the 4 th semester will be taught in the 3 rd semester
2.	Bachelor of Hotel Management (UGC)	5 th Semester	6 th semester	The subjects to be taught in the 6 th semester will be taught in the 5 th semester
3.	Master in Hotel Management and Catering Technology	3 rd Semester	4 th semester	The subjects to be taught in the 4 th semester will be taught in the 3 rd semester

The same was approved by the Vice-Chancellor-cum-Chairman Academic Council.

Letters issued in this regard vide Nos. IKGPTU/DA/2387 dt. 07-07-2020 and IKGPTU/DA/2387 dt. 10-09-2020 are placed at **Annexure – IX & X** respectively.

Item is placed before the council for ratification.

53.03.7 Swapping of B, Architecture Practical Training (7th Semester) of one semester with 8th semester.

Board of Studies (Architecture) in its meeting 15m July 2020 decided to swap training, for the current semester only , as per the following

'The one semester B.Arch Practical Training (BACH-701/AR-701) of the session July-Dec 2020 will be swap with 8th semester of session Jan-May 2021 for 2017 batch for IKGPTU affiliated colleges of B. Architecture.

The same was approved by the Vice-Chancellor-cum-Chairman Academic Council.

Letter issued in this regard vide No. IKGPTU/DA/2393 dt. 23-07-2020 IS placed at **Annexure – XI.**

Item is placed before the council for ratification.

53.03.8 Uniformity among study schemes of various Engineering Departments

A committee was constituted to bring uniformity among study schemes of B.Tech Programmes. It is pertinent to mention that the recommendation given by the committee members involving Deputy Dean (Engineering faculty) and various Chairpersons and Coordinators of BOS (University and Constituent Campuses) as per following details: -

1. Dr. Satvir Singh, Deputy Dean (Engineering Faculty) & HOD-ECE
2. Dr. Monika Sachdeva, Chairperson, BOS (CSE) & HOD-CSE
3. Dr. Rajiv Chouhan, Chairperson, BOS (CE) & HOD-CE
4. Dr. Rakesh Goyal, Coordinator, BOS-ECE
5. Dr. Manoj Mittal, Coordinator, BOS-ME
6. Dr. Deepika Bhalla, Coordinator, BOS-EE

Recommendations of the committee are placed at **Annexure-XII.**

Approval of the Various BOS, (University and Constituent Campuses) Engineering Streams could not be taken as the University was closed due COVID-19 pandemic.

In order to bring uniformity of semester training and summer vacations training of all streams of B. Tech programs, the proposal was approved by the Vice-Chancellor-cum-Chairman, Academics Council.

Item is placed before the council for ratification.

53.03.9 To approve eligibility criteria, duration and fee structure

The 52nd Academic Council vide Agenda No. 52.10, change the nomenclature of some of the courses and new courses were started w.e.f. session 2020-2021 onwards eligibility criteria, duration and fee structure these courses, as recommended by concerned BOS, is as under:

A). Bachelor Program

Sr. No.	Nomenclature of Programs	Eligibility of Program	Duration (in Years)	Fee Structure
1	B.Sc. (Honors) Microbiology	10+2 with Biology/ Biotechnology at least 50% Marks (45% in case reserved category)	03	As per other B.Sc programs.
2	B.Sc. (Artificial Intelligence & Machine Learning)	10+2 Non-Medical with at least 50% Marks (45% in case reserved category)	03	As per other B.Sc programs.

B). Post Graduate Diploma Program

Sr. No.	Nomenclature of Programs	Eligibility of Program	Duration (in Years)	Fee Structure
3	PG Diploma in Digital Marketing	Graduation in any stream	01	As per PGDCA
4	PG Diploma in Mobile Technology	Graduation with one subject of Computer Science/ Computer Applications	01	As per PGDCA
5	PG Diploma in Cyber Security & Digital Forensic	Graduation with one subject of Computer Science/ Computer Applications	01	As per PGDCA
6	PG Diploma in Fashion Design and Clothing Technology	Graduation in any stream	01	As per PGDCA

C). B. Voc. Program

Sr. No.	Nomenclature of Programs	Eligibility of Program	Duration (in Years)	Fee Structure
7	B. Voc. (Building Construction and Technology)	10+2 in any stream	03	As per others B.Voc. programs
8	B. Voc. (Solar System Technology)	10+2 in any stream	03	As per others B.Voc. programs
9	B. Voc. (Data and Web Analytics)	10+2 with one subject of Mathematics / Statics	03	As per others B.Voc. programs
10	B. Voc. (Fashion Design and Garment Technology)	10+2 in any stream	03	As per others B.Voc. programs

The same was approved by the Vice-Chancellor-cum-Chairman, Academics Council.

Item is placed before the council for ratification.

C. AGENDA FOR DISCUSSION & REVIEW

53.04 Conduct of final semester examination & backlog examination in blended mode (online + offline).

As per UGC guidelines, it is mandatory to conduct the terminal semester/Final year students having backlog should compulsorily be evaluated by conducting examination in Offline (Pen & Paper)/Online/Blended (Online + Offline) Mode as per feasibility and Suitability. Due to Covid-19, it is not possible to conduct the examination in the Examination Centres.

Vice Chancellor approved the following committee to finalize mode & modalities for Conduct of final Semester & Backlog Examination :

1. Dean (Academics)
2. Controller of Examinations.
3. Director Campus
4. Deputy Controller of Examination (Conduct)

Recommendations of the committee are placed at **Annexure - XIII**

It was also proposed to establish Virtual examination centres using google meet/Zoom/Any other digital platform.

One faculty member as a invigilator, monitor 20 students via Google meet/ Zoom/ Any other suitable digital medium. Duties of Invigilation staff including Centre Supdt., Invigilators, clerk and other shall remain same under the supervision of Local Controller but through digital platforms.

Honorarium for the officials/invigilating staff for virtual examination centres is as under:

Conduct of Examination through Virtual Examination Centres				
Sr. No.	Particular	Unit	Approved Rates	Rates for Virtual Mode
1	Centre Controller	One	Rs. 7000/- (for whole Semester exams)	Rs. 5000/- (for whole Semester exams)
2	Assistant to Controller	One	Rs. 3000/- (for whole Semester exams)	No Need in Virtual Mode

Conduct of Examination through Virtual Examination Centres				
Sr. No.	Particular	Unit	Approved Rates	Rates for Virtual Mode
3	Centre Supdt.	One	Rs. 400/- per session + Rs. 700/- for opening & closing the center	Rs. 400/- per session +
4	Deputy Supdt.	One	Rs. 250/- (per session)	No Need in Virtual Mode
5	Invigilator (Not below the rank of Assistant Prof. (Previously lecturer) one for every 30 students of part theory)	One	Rs. 200/- (per session)	Rs. 150/- (per session) One for every 20 students of part theory)
6	Centre Clerk cum Computer Operator	One	Rs. 150/- per session + Rs. 300/- for opening & closing the centre	Rs. 150/- per session
7	Daftri	One	Rs. 125/- per session + Rs. 250/- for opening & closing the centre	No Need in Virtual Mode
8	Helper	One	Rs. 125/- per session	Rs. 125/- per session
9	Waterman (One waterman up to 100 students and subsequently its multiples)	One	Rs. 125/- per session	No Need in Virtual Mode
10	Sweeper	One	Rs. 125/- per session	No Need in Virtual Mode
11	Security	One	Rs. 125/- per session	No Need in Virtual Mode
12	Rent of the building Replaced with (For IT Infrastructure & internet facility/ Contingency Expenditure)		Rs. 25/- per candidate for whole Semester exams	Rs. 25/- per candidate for whole Semester exams.
13	Contingency Expenditure		Rs. 4/- per student (for Stationary, drawing sheets, graph, paper packing materials, Photostat etc.)	No Need in Virtual Mode

Conduct of Examination through Virtual Examination Centres				
Sr. No.	Particular	Unit	Approved Rates	Rates for Virtual Mode
14	For delivery/ collection of examination material from nodal centre		Rs. 10/ per km (office car/taxi)	No Need in Virtual Mode

Academic Council is requested to approve

- (i) Blended mode of Examination
- (ii) Establishment & honorarium of Virtual examination Centres

Item is placed before the council for discussion and approval.

53.05 Draft Research Policy University has drafted Research Policy.

The IKGPTU Research Policy will be applicable to all the faculties/scholars involved in research/ sponsored projects/ consultancy projects including Ph. D scholars registered with PTU working in main campus, its constituent colleges, its affiliated colleges and scholar registered under an MoU. The purpose of the research policy is to develop an ecosystem of research within which faculty and scholars carry out their research for the advancement of their knowledge. It also envisages the comprehensive framework for the development and implementation of all research programs at IKGPTU. The research activities at IKGPTU will include the research work of direct relevance to IKGPTU, society, start of Projects of government (State and Central), industry and commerce. The research will be carried out in national and international collaboration also under ambit of the Government Rules. Copy of the draft policy is attached at **Annexure - XIV.**

Item is placed before the Academic Council for recommendation to the BOG.

53.06 Conduct of Special/Golden Chance Examination.

As per regulations of University, a student can complete his/her course in double the time period to that of the normal term of course. In the last one year University received number of applications of such students, who couldn't complete their course in the permissible time period and requested for Golden Chance.

Academic council is requested to consider these cases and allow to conduct the Golden Chance examination. This examination shall be conducted with next semester examination, after restoration of normality and centre shall be established in main campus of University.

Item is placed before the council for consideration and approval.

53.07 Conduct of Improvement Examination in blended mode (online + offline)

As per UGC guidelines, University declared results of students studied intermediate semesters and also give provision to the students that if any student(s) is not satisfied with the marks, he/she may appear in special examination which shall be held in conducive environment. Now since University is conducting examinations of final semester students and that too under supervision by establishing virtual examination centres. Hence it is proposed that any intermediate student not satisfied with the result of June'20 session, may also be allowed to appear in improvement examination without paying any fee. This examination shall also be conducted in blended mode as per agenda item of final semester examination proposed in this academic council meeting.

Item is placed before the council for consideration and approval.

53.08 Any other item with the permission of the Chair.



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR

Estd. Under Punjab Technical University Act, 1996
(Punjab Act No. 1 of 1997)

Dr. S.S. Walia
Registrar

Ref. No. IKGPTU/REG/ Acad/3513

Dated 28/01/2020

**All Members,
Academic Council of
I.K. Gujral Punjab Technical University Jalandhar,
Kapurthala**

Sub: Proceedings of 52nd meeting of Academic Council of IKGPTU.

Sir /Madam,

Please find attached proceedings of the 52nd meeting of Academic Council (duly approved by Chairman, Academic Council, IKGPTU) held on 16th January, 2020 at 11:00 AM at IKGPTU Main Campus, Jalandhar - Kapurthala Highway, Kapurthala.

This is for your kind information, record and further necessary action.

With Regards,

**Registrar/Secretary,
Academic Council**

Copy to:

1. I/C Secretariat, O/o Vice Chancellor: For information of Vice Chancellor.
2. Dean (Academics), IKGPTU
3. All HoDs (Non-Teaching)
4. Director (Main Campus)
5. Incharge (ITS): For uploading on website

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PROCEEDINGS OF 52ND MEETING OF ACADEMIC COUNCIL HELD ON 16.01.2020 AT 11:00 AM AT IKG-PTU MAIN CAMPUS

Hon'ble Vice-Chancellor-cum-Chairman Academic Council welcomed, wished new year greetings and congratulated on the 24th Foundation Day of the University to all the members. He informed about the visible changes in the recent period and assured the Council that they will definitely see more changes for the growth of University.

Vice Chancellor formally inaugurated the Distance Education Programme and released the Calendar of IKGPTU for 2020.

The Member Secretary (Registrar) also welcomed the Chairman, Academic Council and other members of the Academic Council on 52nd meeting of Academic Council.

Thereafter the regular agenda was briefed by the Dean(Academics) and the same was discussed in detail and proceedings are as under :

A. STATUTORY AGENDA

52.01 To confirm the proceedings of 51st Academic Council meeting held on 16th October, 2018.

The 51st Academic Council meeting was held on 16th October, 2018 and the proceedings were circulated to all members for information and comments. No comments have been received.

The Council confirmed the proceedings of 51st Academic Council meeting.

52.02 Action Taken Report (ATR) of the 51st Academic Council Meeting held on 16th October, 2018.

Dean (Academics) briefed about the Action Taken Report (ATR) on the decisions taken in the 51st meeting.

After going through the details, council approved the Action Taken Report (ATR).



52.03 Award of Ph.D.

It was informed that on the recommendations of the RDC, 245 candidates have completed the requirement for the award of Ph.D. degree.

The council recommended the names of 245 candidates (as per Annexure- I) to award Ph.D Degree to Board of Governors (BOG) for approval.

B. AGENDA FOR RATIFICATION

52.04 To ratify the decisions taken by the Chairman, Academic Council in anticipation of the approval of the Academic Council.

52.04.1 To approve minutes of various Board of Studies for revision of syllabus / scheme of Programmes.

It was informed that Keeping in view the demand of the Industry and latest trends in technical education, various Board of Studies of the University have revised the course curriculum /scheme of different programmes. The revised scheme and syllabus is available on University website <https://www.ptu.ac.in/Syllabus/..aspx>

The recommendations of various Board of Studies of the University regarding revision of course curriculum /scheme of different programmes were discussed in detail and ratified.

52.04.2 Academic Calendar for session 2018-19 (Even semester) & session 2019-20 (Odd and Even semesters)

The Academic Calendar for session 2018-19 (Even Semester) & session 2019-20 (Odd & Even Semesters) was prepared by University after incorporating observation of the affiliated colleges and have been uploaded on the University website.

Academic Calendar for session 2018-19 (Even Semester) & session 2019-20 (Odd & Even Semesters) were ratified by the Council.



52.04.3 Change of Nomenclature of UGC (Non-AICTE) courses.

Based on the recommendations of the various Board of Studies in view of UGC Regulations the following changes of nomenclature of programmes were proposed:

UG Courses

Sr. No.	Existing Nomenclature of programmes	Proposed Name of the programmes as per UGC nomenclature	Duration
1.	Bachelor of Graphic & Web Designing	B.Sc. (Graphic & Web Designing)	03 Years (6 sem)

PG Courses

Sr. No.	Existing Nomenclature of programmes	Revised name of the programmes as per UGC nomenclature	Duration
1	M.Sc.-MLT (Bio-Chemistry)	M.Sc. MLS (Bio-Chemistry)	02 Years (4 sem)

The Council noted and ratified the changes of nomenclature of the above programmes.

52.04.4 Change of MBA (Major –Minor) to MBA Dual Degree (Major – Major) programme and addition of Specializations for MBA Programme

Board of Studies (Management) has recommended the following :

- (i) To revise MBA (Major-Minor) to MBA -Dual specialization (Major-major) Degree
- (ii) To include two new specializations of MBA viz. (i) Operation Management (ii) Business Analytics as major specialization area for MBA Programme

The Council discussed and ratified the recommendations of the Board of Studies.



52.04.5 Establishment of new colleges

It was informed that University has issued an advertisement for starting of new colleges as per AICTE/ University norms. After going through approval process, 06 AICTE and 02 Non-AICTE new colleges were granted provisional affiliation during session 2019-20.

The item was noted and ratified as proposed.

52.04.6 Starting of new Programmes and Variation in sanctioned intake in existing colleges

University has issued an advertisement for starting of new Programmes and variation in sanctioned intake as per AICTE/ University norms. After going through approval process 56 colleges were granted provisional affiliation for starting of new programmes/ variation in sanctioned intake in existing colleges.

The item was noted and ratified as proposed.

52.04.7 Opening of new Regional Centres of IKGPTU from session 2019-20.

Board of Governors of IKGPTU in its 69th meeting has approved opening of Regional Centres in the affiliated Institutes having good infrastructure and faculty, in order to ensure that Regional Centres shall not dilute the quality of education.

The University had issued regulations and guidelines for the establishment of New University Regional Centers from session 2019-20 and two Regional Centres were approved by the University.

The item was discussed and ratified as proposed.



52.04.8 Induction of New Programmes from session 2019-20.

On the recommendations of Board of Studies, the following new courses have been proposed to be added in the list of approved courses of IKGPTU.

Sr. No.	Name of the Course	Duration	Eligibility	Other conditions
1.	B.Sc. (Operation Theatre Technology)	03 Years/ 06 sem	10+2 Pass with 50% marks (Physics, Chemistry and Biology)	Beds in ICUs with ventilators & cardiac monitoring - minimum ten beds
2.	B.Sc. (Radiotherapy Technology)	03 Years/ 06 sem	10+2 Pass with 50% marks (Physics, Chemistry and Biology)	Approval from AERB is required. Institute should have atleast 100 bed Hospital.
3.	Master of Design (M. Des.-Fashion and Textiles)	02 Years / 04 sem	Passed any UG degree of Fashion Design / Textile Design / Knitwear Design / Clothing & Textiles / Apparel & Furnishing / Home Science or any other allied fields	
4.	B. Voc (Hospitality & Catering Management)	03 Years/ 06 sem	10+2 in any stream	
5.	B. Voc (Hospitality & Culinary Management)	03 Years/ 06 sem	10+2 in any stream	

The Council noted and ratified the induction of above programmes in the approved list of IKGPTU.

52.04.9 Introduction of MOOCs courses.

A committee was constituted by the 51st Academic Council vide item No. 51.14, to propose guidelines for MOOCs courses. The general guidelines proposed by the committee regarding MOOCs courses was approved and the policy was notified vide notification No. IKGPTU-REG-NF-2096 dt 24-05-2019.

The item was discussed and guidelines for MOOCs courses were ratified.



52.04.10 Formation of New Board of Studies.

As per recommendations of IQAC of IKGPTU, the new Board of Studies have been constituted for affiliated college and University Campuses separately and the same were notified by the University.

The council noted and ratified constitution of new Board of Studies.

52.04.11 Guidelines regarding Four weeks "Institutional Summer Vacation Training"

Dean (Academics) briefed that to inculcate the basic skills in the B. Tech. / B.Arch. students, the University has issued Guidelines on the recommendations of Chairmen, BOS regarding Four weeks "Institutional Summer Vacation Training" during the summer vacations after 2nd semester of B.Tech. / B. Arch. programmes.

The Council discussed and ratified as proposed.

52.04.12 Distribution of marks for evaluation of M. Tech. and M.Sc. Dissertation.

University has framed a uniform policy for distribution of marks for evaluation of M. Tech. and M.Sc. Dissertation in all disciplines. The policy was recommended by the concerned BOS Chairmen.

The item was discussed and the Council ratified the policy as proposed.

52.04.13 Guidelines for Major and Minor degree in B. Tech. (Engineering)

A committee was constituted by the 51st Academic Council vide item No.5-51.04.01, to frame the detailed guidelines for Major and Minor Degree. The committee proposed the guidelines for starting of Major and Minor Degree in B. Tech. (Engineering) programmes.

The item was discussed and the council ratified the guidelines proposed by the committee.



52.04.14 Policy for Change of Branch / upgration in 3rd semester of B. Tech. Programmes

It was informed that University has adopted AICTE Model curriculum from session 2018-19. There is variation in curriculum of courses like Mathematics /Physics offered to different branches of B. Tech. Programme. The students who opt for change / upgradation of branch in 3rd semester of B. Tech. w.e.f. admission session 2018-2019 onwards within college / institutes affiliated to IKGPTU, shall have also to study the bridge courses / additional subjects as recommended by the concerned Board of Studies.

The item was discussed and the council ratified the regulations for Change of Branch / upgration in 3rd semester of B. Tech. Programmes.

52.04.15 Conduct of Ph.D. course work at NAAC/NBA affiliated Colleges of IKGPTU.

The students shall have to earn 15 credits in the Pre Ph.D Course work. To facilitate the Ph.D students and better upkeep of research standards, University has decided that candidate can opt course work in any NAAC/ NBA accredited or having NIRF ranking among first 100 institutes affiliated to IKGPTU on regular basis in addition to University Main Campus.

The item was noted and ratified as proposed.

52.04.16 Academic Progression for Syllabus for Bachelor of Pharmacy Course- Clause 16- Academic Progression

The university has adopted the rules and regulations prescribed by Pharmacy council of India and implemented w.e.f. Academic session 2017-2018 onwards, according to which a student shall not be eligible to attend the courses of V semester until all the courses of I and II semesters are successfully completed.

In the meantime, Pharmacy Council of India (PCI) has issued a letter vide No. 14-382/2019-PCI dated 09 September, 2019 according to which *for the time being the examining authority may be permitted to implement the provisions of academic progression clause 16 of the PCI – Syllabus for the Bachelor of Pharmacy (B. Pharm) course in line with the existing policy of the University.* University has implemented the above directions of the PCI.

The item was noted and ratified implementation of the above decision.



52.04.17 To approve syllabus of Punjab History and Culture (BASAG-207B) option paper in lieu of Punjabi.

Dean Academic briefed that the Academic Council in its 51st meeting vide item No. 51.12 had approved to give option to the students (old and new) of B.Sc. (Agriculture)/ B.Sc. – Honours (Agriculture) to choose either Punjabi Language or Punjab History and Culture prospectively.

The syllabus of "Punjab History and Culture" has been recommended by the concerned BOS.

The item was discussed and the syllabus of "Punjab History and Culture" was ratified.

52.04.18 Regarding B. Pharmacy (LEET) students

It was informed that as per PCI regulations, B. Pharmacy students have to study the following Non-University-Examination as additional subjects as per schedule

Subject	2018 batch	2019 onward batches
Communication Skill	Upto 5 th semester	3 rd /4 th Semester
Computer Application in Pharmacy	Upto 5 th semester	4 th Semester

The item was noted and ratified as proposed.

52.04.19 Extension to 8th year to complete Ph.D. program

Some Ph.D. students admitted under PhD Regulations 2010 have submitted their requests in the university with the recommendations of their respective PhD Supervisors for 8th year extension to complete their PhD Programme.

On the recommendations of Dean (RIC), Vice-Chancellor-cum-Chairman Academic Council has approved requests of deserving 42 students, on case to case basis.

The matter was discussed in detail and the Council has approved the item with the following riders for further extension after 7th years :

1. A fine of Rs. 25000/- (Rupees Twenty Five Thousand only) may be levied.
2. It must be mentioned on the extension letter that no further extension will be allowed.



52.04.20 Change of nomenclature of courses in view of WP(C) 60 of 2016 and CWP No.29701 of 2019

In view of the Writ Petition Filed by the Students of ITFT College vide No. WP(C) 60 of 2016 entitled Sikkim Welfare Association of Chandigarh Vs. Punjab Technical University and Writ petition filed by IKGPTU against UGC vide CWP No.29701 of 2019, the concerned BOS has recommended the change of nomenclature of the courses as mention below :

Sr. No.	Existing Nomenclature of programmes	Proposed Name of the programmes as per UGC nomenclature	Duration	Batches
1.	Bachelor in Airlines Tourism and Hospitality Management) (B.Sc. ATHM)	Bachelor of Hotel Management, Travel & Tourism (Airlines, Tourism and Hospitality Management)	3 years (after 10+2)	2011-15
2.	Bachelor in Health, Spa and Resort Management) (BHSRM)	Bachelor of Hotel Management, Travel & Tourism (Health Spa and Resort Management)	3 years (after 10+2)	2011-15

The Council discussed and ratified the above nomenclature recommended by the concerned BOS.

C. AGENDA FOR DISCUSSION & REVIEW

52.05 Implementation of multiplier factor 10 instead of 9.5 for conversion from CGPA to Percentage for all the students of IKGPTU.

Requests have been received from affiliated colleges to adopt Multiplier factor 10 instead of 9.5 for conversion from CGPA to Percentage for all the students of IKGPTU.

The matter was discussed in detail and the council decided that multiplier factor 10 may be used instead of 9.5 for conversion from SGPA/CGPA to Percentage for all the students of IKGPTU, with immediate effect.



52.06 Guidelines for Granting of Writer/ Extra time to the differently abled candidates.

Guidelines proposed by the Examination Branch for Granting of Writer/ Extra time to the differently abled candidates in the examination of such candidates were discussed in detail and were approved by the Council.

52.07 Maintenance of Record by Colleges

The matter was discussed in detail and the following has been approved by the Council :

1. colleges shall maintain all the record of students viz attendance, internal assessment, practicals examinations etc. atleast upto the passing of student of concerned Programme.
2. In case of closure of college, the whole record shall be transferred to the University / Institute where the students are transferred.

52.08 Starting of Semester Training for B. Tech. Programme (not available in Model Curriculum of AICTE)

Dean (Academics) informed the Council that in the previous scheme of B. Tech. before 2018, there was six months' industrial training in the curriculum of IKGPTU whereas there is no provision of semester training in model curriculum of AICTE Scheme 2018 onwards.

As recommend by the Chairmen Board of Studies, to bridge the gap between Industry and Institute, there should be Six Month Industrial Training in study scheme of 2018-19 batch onwards of engineering programmes in 7th / 8th semester.

The item was discussed and council approved introduction of Six Month Industrial Training in study scheme of 2018-19 batch onwards of engineering programmes in 7th / 8th semester.

52.09 Agenda items for IKGPTU Campuses

52.09.1 Study schemes & syllabi for different programs

The study scheme & syllabi for different Programmes was proposed by the different Board of Studies and the same was discussed and ratified with the following minor changes :

Sr. No	Course	Proposed	Ratified	Batch
1.	B. Architecture	(1 to 8)	(1 to 2)	2019 onwards
2.	M. Architecture	(1 to 4)	(1 to 2)	2019 onwards
3.	M. Planning	(1 to 4)	(1 to 2)	2019 onwards



52.09.2 Creation of new Departments from Academic Session 2019-20

It was informed that the following departments have been established in the Main campus from session 2019-20

- (i) Department of Hotel Management
- (ii) Department of Humanities, Languages and Cultural Studies

The council noted and ratified the above decision.

52.09.3 External Theory & Practical Paper Pattern as proposed by various BOS & Internal Theory & Practical Paper Pattern proposed by BOS-Clinical Research

It was informed that External Theory & Practical Paper Pattern have been proposed by the different Board of Studies.

The council discussed and ratified the recommendations of the Board of Studies.

52.09.4 Change of eligibility for M. Sc (Food Tech) & M. Tech (Food Tech)

Board of Studies for Food Technology has recommended to revise the eligibility criteria of following courses :

- 1. M. Sc (Food Tech)
- 2. M. Tech (Food Tech)

The council ratified the change of eligibility criteria as proposed by the concerned BOS.

52.09.5 Eligibility Criteria for Courses stated at IKGPTU Main Campus as proposed by respective BOS:

The respective Board of Studies have recommended the Eligibility Criteria for the following Courses stated at IKGPTU Main Campus.

Sr. No.	Name of Course
1	B.A (JMC)
2	BHMCT



Sr. No.	Name of Course
3	B. Sc honors (Physics)
4	B. Sc honors (Chemistry)
5	B. Sc honors (Maths)
6	M. Phill (English) M. Phill (Punjabi) M. Phill (Political Sciences)
7	M. Planning

Council discussed and ratified the eligibility criteria as recommended by the concerned BOS.

52.09.6 Syllabus approved for minor/honors degree in B. Tech program by following BOSs (attached in the respective BOS).

The respective Board of Studies have recommended Syllabus for minor/honors degree in following B. Tech programmes running at IKGPTU Main Campus :

Sl.no.	BOS
1	Computer Science & Engineering
2	Mechanical Engineering
3	Electronics & Comm. Engineering
4	Civil Engineering
5	Electrical Engineering

Council noted and ratified the recommendations of the concerned BOS.

52.09.7 Vision Mission, PEOs and Pos of Different Departments are proposed.

The respective Board of Studies have recommended the Vision Mission, PEOs and POs for the following Departments :

Sl.No.	BOS
1	Food Sci. & Tech
2	Hotel Management & Catering Technology
3	Chemical Sciences
4	Physical Sciences
5	Journalism & Mass Communication



Sl.No.	BOS
6	Mathematical Sciences
7	Clinical Research
8	Computer Science Engineering
9	Mechanical Engineering
10	Electronics& Communication Engineering
11	Civil Engineering
12	Electrical Engineering

Council noted and ratified the recommendations of the concerned BOS.

52.10 To review Nomenclature of all Courses

Dean (Academics) informed the Council that Members of different board of studies, experts from other state Universities and colleges were invited to review the nomenclature of existing courses and to recommend starting of new courses as per UGC nomenclature.

After detailed discussion the minutes of the committee regarding change of nomenclature of existing courses and starting of new courses as per UGC nomenclature were approved by the council.

52.11 Regarding approval of the updated Course Regulations by the Academic Council, IKGPTU.

Dean (Academics) informed the Council that the committee formed for finalization and recompiling the University regulations drafted by the expert committee constituted by the BOG, IKGPTU in the 55th meeting vide IKGPTU/REG/00/2054 dated 19.09.2019 has proposed to include Course regulations in the University's Academic regulations.

These course regulations were modified from time to time subsequently. Accordingly, after the due approval of Honorable Vice Chancellor, these course regulations were updated/formulated by the Chairman, BOS/Senior faculty members of the University and have been included in the updated draft regulations.

Members were of the view that the updated draft course regulations should be circulated for the comments /suggestions from the members.



Thereafter supplementary agenda was taken up :

S-52.01 Award of Ph.D.

It was informed that on the recommendations of the RDC, 30 more candidates have completed the requirement for the award of Ph.D. degree

In Addition to item No. 52.03, council recommended 30 (**Annexure- II**) more names of candidates to award Ph.D Degree to Board of Governors (BOG) for approval.

S-52.02 To ratify the decisions taken by the Chairman, Academic Council in anticipation of the approval of the Academic Council.

S-52.02.01 To approve minutes of Board of Studies of Management (Campuses).

The council ratified the minutes of meeting of Board of Studies of Management (Campuses) held on 11th December, 2019.

S-52.03 To approve the minutes of meeting of Board of Studies of Architecture.

It was informed that a meeting of the Board of Studies of Architecture was held on 09-01-2020 in which the following was discussed and recommended

1. Study scheme and Syllabus for M. Planning (1st, 2nd semester) for Batch 2019 with minor changes.
2. Study scheme and Syllabus for B. Arch (1st, 2nd semester) for Batch 2019 with minor changes, typographical errors and mismatch in subject code/credits.

The above recommendations of the Board of Studies were approved.

S-52.04 To grant B.Sc. in Architectural Basics degree to B. Arch. Students after the successful completion of stage-1 of B. Arch (3 years).

It was informed that the matter regarding grant of B.Sc. in Architectural Basics degree to B. Arch. Students was put up before the 51st Academic Council vide item No. S-51.03 (2). The same was deferred with the comments that clarification shall be taken from CoA in writing by the respective Chairman, BOS.

The recommendations of the BOS were discussed in detail and Council authorized the Vice-Chancellor-cum-Chairman to constitute a committee.



Chairman, BOS shall send the proposal, in this regard, to the Vice-Chancellor-cum-Chairman, Academic Council through Dean (Academics). The committee shall present the case to MHRD/CoA and the outcome of the same shall be put before the next meeting of the Council.

S- 52.05 Any other item with the permission of the Chair.

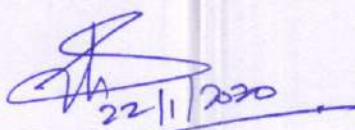
S-52.05.01 Start of Diploma in Computer Application (DCA) from January 2020 session under Open and Distance Learning (ODL).

It was informed that University has got approval to running courses under Distance Education Mode and it was notified by UGC that for start of certificate / Diploma / Post-Graduate Diploma, statutory bodies of University may approve the same.

The Board of Studies has recommended to start Diploma in Computer Applications and after passing the diploma programme students may opt for admission in Lateral Entry in BCA through Open and Distance Learning (ODL).

The council discussed and approved the recommendations of the Board of Studies.

Meeting ended with a vote of thanks to the Chair.



Registrar-cum-Member Secretary

I. K. Gujral Punjab Technical University

List of Students to award Degree of Doctorate of Philosophy

Sr. No	Reg. No	Date of Regd	Name of Candidate	F. Name	Email ID	Mobile/Phone No.	Branch	Specialization	Total of Thesis	Date of Viva-Voce
1	1109067	02-09-11	Sheenu Sharma	Pardeep Sharma	diyasheenu@yahoo.com	9501017562	Business Administration	Management	POTENTIAL AND PERFORMANCE OF INDIA'S SERVICE SECTOR: AN ECONOMETRIC ANALYSIS.	05-10-18
2	1110003	02-08-11	Pawan Kumar	Megh Raj	pawangarg31@rediffmail.com	9478098024	Pharmaceutical Sciences	Pharmacy	PHYTOCHEMICAL AND ANTIANXIETY ACTIVITY EVALUATION OF HABENARIA INTERMEDIA D. DON AND VERBENA OFFICINALIS LINN.	25-10-18
3	1309212	01-08-13	Rajni Bala	Nathi Ram	rajni5dec@gamil.com	9466356105	Business Administration	Management	ADOPTION AND DIFFUSION OF E-SHOPPING: A STUDY OF CONSUMER CONVENIENCE IN HARYANA	25-10-18
4	1002005	10-02-11	Prashant Garg	Shyam Lal Gupta	prashant.ced@gmail.com	9914313435	Engineering	Civil Engineering	BEARING CAPACITY AND SETTLEMENT CHARACTERISTICS OF PILED-RAFT FOUNDATION	26-10-18
5	1009031	02-10-11	Priyanka Sharma	Satpal Sharma	priyanka_daviet@yahoo.in	9988449095	Business Administration	Management	A STUDY OF RELATIONSHIP BETWEEN MACROECONOMIC VARIABLES AND FOREIGN INVESTMENT IN INDIA	26-10-18
6	1205037	22-05-12	Sarvjit Singh	Gurmail Singh	sarvjit100878@yahoo.co.in	9417651927	Engineering	Electronics & Communication Engineering	MODELING, SIMULATION AND COMPARATIVE PERFORMANCE ANALYSIS USING WAVELETS FOR VOIP IN WIRELESS DOMAIN	29-10-18
7	1115013	02-08-11	Punam Devi	Satish Chander	punam.puri@yahoo.com	9855517007	Life Sciences	Biotechnology	PHYTOCHEMICAL CHARACTERISATION OF EUPHORBIA COTINIFOLIA AND ITS SUITABILITY AS BIODIESEL	30-10-18
8	1001002	02-10-11	Pankaj Kalra	Dr. S.A.R. Kalra	pankajkalra75@gmail.com	8054100770	Engineering	Chemical Engineering	MODELING & SIMULATION OF HIGH TEMPERATURE SOLID OXIDE FUEL CELL.	31-10-18
9	1309091	24-12-12	Rajni Bhalla	Chaman Lal	rajnibhalla49@yahoo.in	9878810908	Business Administration	Management	PERCEIVED BENEFITS AND PERCEPTIONS OF USERS OF INTERNET BANKING - A STUDY OF SELECTED BANKS IN PUNJAB.	02-11-18
10	1406111	09-05-14	Hitesh Vasudev	Naveen Kumar Vasudev	hiteshvasudev@yahoo.in	9646091704	Engineering	Mechanical Engineering	TO INVESTIGATE INCONEL 718+Al2O3 COATINGS FOR HIGH TEMPERATURE WEAR AND CORROSION RESISTANCE.	05-11-18
11	1305004	24-12-12	Nancy Gupta	Suresh Kumar	nancy.gupta24@gmail.com	8283877900	Engineering	Electronics & Communication Engineering	DESIGN AND PERFORMANCE OPTIMIZATION OF MICROSTRIP PATCH ANTENNAS FOR BROADBAND WIRELESS COMMUNICATIONS.	05-11-18
12	1009050	02-10-11	Varun Nayyar	Kewal Krishan Nayyar	nayyar_varun33@rediffmail.com	9779119995	Business Administration	Management	CONSUMER BUYING PROCESS: A COMPARATIVE STUDY OF EFFECT OF PACKAGING IN RURAL AND URBAN MARKETS.	09-11-18

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13	1006002	02-10-11	Arunish Kumar	Chuni Lal	arun_mangla@rediffmail.com	9417341292	Engineering	Mechanical Engineering	HOT CORROSION BEHAVIOUR OF SOME Ni-Cr BASED COATINGS DEPOSITED BY DIFFERENT THERMAL SPRAYING TECHNIQUES ON BOILER STEELS.	10-11-18
14	1106014	08-03-11	Swarndeep Singh	Harbhajan Singh	ervalia@rediffmail.com	9855524266	Engineering	Mechanical Engineering	EXPERIMENTAL INVESTIGATIONS FOR DEVELOPMENT OF ALUMINIUM MMC WITH HYBRID REINFORCEMENT AND VACUUM MOULDING.	12-11-18
15	1314043	01-08-13	Gurvinder Singh	Amrik Singh	kahlon.gurvinder29@gmail.com	9463010239	Applied Sciences	Computer Applications	ON EFFICIENT MULTI-LANGUAGE TOOL FOR CLONE DETECTION.	25-10-18
16	1103020	05-08-11	Ravi Kumar Sachdeva	Madan Lal	ravisachdeva1983@gmail.com	9896368882	Engineering	Computer Science & Engineering	USABILITY DRIVEN METHODOLOGY FOR ONLINE INFORMATION SYSTEMS' DEVELOPMENT USING RICH INTERNET APPLICATIONS.	16-11-18
17	1317002	24-12-12	Balbair Kumar	Satpal	balbir_kumar83@yahoo.co.in	9896456720	Media And Mass Communication	Journalism And Mass Communication	DIGITAL INEQUITY IN HARYANA – A COMPARATIVE STUDY OF SEMI-URBAN AREAS OF GURGAON AND AMBALA.	19-11-18
18	1105005	04-08-11	Bindiya	Darshan Garg	bindiyajain29@gmail.com	9878661205	Engineering	Electronics & Communication Engineering	DESIGN AND DEVELOPMENT OF ENERGY EFFICIENT CROSS LAYER TECHNIQUES IN WIRELESS SENSORS NETWORKS.	19-11-18
19	1009043	25-01-11	Sachin Sharma	Vishwa Nath Sharma	sachin.rimt@gmail.com	9814491020	Business Administration	Management	THE IMPACT OF CELEBRITY ENDORSEMENT ON CUSTOMERS' BUYING BEHAVIOUR.	21-11-18
20	1214030	06-06-12	Parminder Kaur Sandhu	S.S Sandhu	parminder157@gmail.com	9855965660	Applied Sciences	Computer Applications	AI ENABLED MODELS FOR RISK ASSESSMENT OF TRADING IN INDIAN STOCK AND GOLD MARKETS	21-11-18
21	1206023	15-06-12	Khundrakpam Nimo Singh	Khundrakpam Phulindro Singh	nimspn@hotmail.com	9862282979	Engineering	Mechanical Engineering	INVESTIGATIONS INTO NEAR-DRY AND POWDER MIXED NEAR-DRY EDM.	22-11-18
22	1209048	30-07-12	Anmol Randhawa	Bhupinder Singh	anmolrandhawa14@gmail.com	9915065468	Business Administration	Management	A STUDY ON CONSUMER BUYING BEHAVIOR IN PUNJAB FOR CELEBRITY AND NON CELEBRITY ENDORSEMENT WITH SPECIAL REFERENCE TO SELECTED PERSONAL CARE PRODUCTS.	22-11-18
23	1209128	01-06-12	Ashutosh	Vishwa Nath	ashutosh.sharma25@gmail.com	9530553380	Business Administration	Management	IMPACT OF VALUE EDUCATION ON STUDENTS' BEHAVIOUR - A CASE STUDY OF PUNJAB TECHNICAL UNIVERSITY.	22-11-18

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24	1303033	24-12-12	Jimmy Singla	Ranjiv Kumar	jimmysingla285@gmail.com	9779288330	Engineering	Computer Science & Engineering	DESIGN AND DEVELOPMENT OF MEDICAL DIAGNOSTIC EXPERT SYSTEM USING NEURO-FUZZY TECHNIQUE.	22-11-18
25	1009023	10-02-11	Neha Kalra	Mohinder Jeet Kalra	neha_kalra_16@yahoo.co.in	8146111977	Business Administration	Management	DETERMINANTS AND IMPLICATIONS OF ESOP: A STUDY OF INDIAN CORPORATE SECTOR.	26-11-18
26	1003016	10-02-11	Vivek Thapar	Kapleshwar Raj Thapar	vivek_thapar_engg@yahoo.com	9872922886	Engineering	Computer Science & Engineering	A NOVEL APPROACH TO ANALYZE THE PERFORMANCE OF CLOUD COMPUTING ENVIRONMENT	30-11-18
27	1109026	05-08-11	Rasna Pathak	Jawahar Lal Pathak	taureanfair@yahoo.com	9988354349	Business Administration	Management	MICROFINANCE AND WOMEN EMPOWERMENT - AN IMPACT STUDY OF SELF HELP GROUPS IN PUNJAB.	03-12-18
28	1113018	05-08-11	Mandev Singh	Baldev Singh	mandev.sandhu84@gmail.com	9872401169	Applied Sciences	Mathematics	ON THE WEIGHT DISTRIBUTION AND BOUNDS ON UNDETECTED ERROR PROBABILITY OF CYCLIC CODES WITH ITS APPLICATIONS.	03-12-18
29	1014017	10-02-11	Kirti Wallia	Sudesh Chand Ahluwalia	kirti_walia@rediffmail.com	9417595242	Applied Sciences	Computer Applications	EVALUATION OF VULNERABILITIES IN SOFTWARE FOR FIREWALL TECHNOLOGY AND DESIGN OF EFFECTIVE INVULNERABLE SOFTWARE	03-12-18
30	1005015	10-02-11	Gagan Deep	Ramesh Kumar	gaganau179@gmail.com	9888052750	Engineering	Electronics & Communication Engineering	DEVELOPMENT, CHARACTERIZATION AND TESTING OF CERAMIC BASED MICROWAVE ABSORBER COATINGS BY THERMAL SPRAYING.	05-12-18
31	1009047	10-02-11	Shruti	Nirdosh Loomba	amit.sarin@yahoo.com	9872998760	Business Administration	Management	IMPACT OF HUMAN RESOURCE PRACTICES AMONG MANAGERIAL EMPLOYEES IN THE SELECTED TEXTILE INDUSTRIES OF PUNJAB.	05-12-18
32	1009044	03-03-11	Sanjeev	Tara Chand	sanjeevsharma.ac.et@gmail.com	8872001900	Business Administration	Management	IMPACT OF HUMAN RESOURCE PRACTICES AMONG EXECUTIVE LEVEL EMPLOYEES IN THE SELECTED PRIVATE SECTOR BANKS IN PUNJAB	05-12-18
33	1303042	24-12-12	Neha Verma	P.C Verma	nehaverma583@yahoo.com	9868286560	Engineering	Computer Science & Engineering	INTEGRATING BIG DATA ANALYTICS WITH CLOUD COMPUTING FRAMEWORK FOR A RETAIL SCENARIO.	05-12-18
34	1303064	01-08-13	Ranbir Singh	Sarabjit Singh	bath.ranbir@gmail.com	8699000862	Engineering	Computer Science & Engineering	MINIMIZE THE COLLISION IN TDMA BASED VANETS AND IMPROVED QUALITY OF SERVICE (QoS)	07-12-18
35	1105014	04-08-11	Manju Ahuja	Om Parkash	manjugulati2007@gmail.com	9815779477	Engineering	Electronics & Communication	DESIGN AND SIMULATION OF A MINIATURIZED CARBON MONOXIDE GAS SENSOR.	10-12-18

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36	1306004	24-12-12	Baljit Singh	Resham Singh	baljitbhallar22@gmail.com	9988446122	Engineering	on Engineering	STUDY OF EARTH-AIR HEAT EXCHANGER COOLING SYSTEM FOR HOT-DRY AND HOT-HUMID CLIMATE.	13-12-18
37	1406059	30-01-14	Tilak Raj Gupta	Daya Kishan Gupta	trg2in@yahoo.com	9936294152	Engineering	Mechanical Engineering	EXPERIMENTAL ANALYSIS OF SPRING BACK IN BENDING OF ELECTRO GALVANISED CR4 STEEL.	14-12-18
38	1213014	06-06-12	Abhishek	Bhagwati Prasad Shastri	ab.hishek.901234@gmail.com	9888166085	Applied Sciences	Mathematics	WAVE PROPAGATION IN COMPOSITE SOLID MATRIX CONTAINING TWO IMMISCIBLE FLUIDS.	17-12-18
39	1109092	04-08-11	Ramita Verma	Kanwar Shiv Kumar Verma	ramita_verma2911@yahoo.co.uk	9671774797	Business Administration	Management	A STUDY OF CORPORATE DISCLOSURE PRACTICES IN EMERGING VERSUS DEVELOPED ECONOMIES WITH SPECIAL REFERENCE TO INDIA AND UK.	17-12-18
40	1105019	04-08-11	Rajan Sharma	N.K. Sharma	rajan3025@rediffmail.com	9872442638	Engineering	Electronics & Communication Engineering	POWER OPTIMIZATION IN WIRELESS SENSOR NETWORK.	19-12-18
41	1310026	24-12-12	Vikash Kumar	Ashwani Kumar	vikasruhil01@gmail.com	8950366343	Pharmaceutical Sciences	Pharmacy	DEVELOPMENT & EVALUATION OF NANO-THERAPEUTIC-SYSTEM OF AN ANTIHYPERTENSIVE AGENT FOR BIOAVAILABILITY ENHANCEMENT USING QUALITY BY DESIGN.	20-12-18
42	1214009	06-06-12	Amanpreet Kaur	Major Singh	aman123.brar@gmail.com	9872257573	Applied Sciences	Computer Applications	ADAPTIVE TECHNIQUES FOR DETECTION AND REDUCTION OF BLOCKING ARTIFACTS IN GRAY SCALE IMAGES	26-12-18
43	1213007	06-06-12	Nishant Juneja	M.R Juneja	nishu_2107@rediffmail.com	8427752125	Applied Sciences	Mathematics	COMPLEX DYNAMICAL BEHAVIOR OF SOME ECO-EPIDEMIOLOGICAL MODELS	27-12-18
44	1422002	20-08-14	Nilesh Kumar Sharma	K.P. Sharma	nilesh.sbt@gmail.com	9041396774	Bioenergy	Bioenergy	DEVELOPMENT OF YEAST STRAIN WITH ENHANCED XYLOSE UTILIZATION AND ETHANOL PRODUCTION.	28-12-18
45	1309088	24-12-12	Rajinder Minhas	Chaggar Singh	rajprofessor.singh@gmail.com	9872437314	Business Administration	Management	FINANCIAL STATEMENT IMAGE OF THE REPORTING ENTITY: A STUDY OF NAHAR GROUP OF COMPANIES.	02-01-19
46	1114028	02-08-11	Yashveer Yadav	Daya Chand Yadav	yadav.yashveer@gmail.com	8360707299	Applied Sciences	Computer Applications	TWO-LEVEL SECURITY ARCHITECTURE FOR PRIVATE CLOUD COMPUTING.	19-01-19
47	1209032	22-06-12	Kanika	Gulshan Kumar	krishna5kanika@gmail.com	9464086604	Business Administration	Management	FOREIGN DIRECT INVESTMENT IN RETAIL SECTOR OF GROWING ECONOMIES: A STUDY OF INDIA, CHINA, MALAYSIA AND THAILAND.	27-11-18

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48	1409037	30-01-14	Puneet Bansal	Parshotam Lal	puneet_4278@yahoo.com	9888555143	Business Administration	Management	PRODUCTIVITY OF SBI AND ITS ASSOCIATES BANKS-GROWTH, TRENDS AND EMERGING ISSUES IN E-AGE.	27-11-18
49	1109036	08-08-11	Neeru Kapoor	Madan Lal	neerukapoor2010@gmail.com	9501114449	Business Administration	Management	GREEN BANKING IN INDIA A STUDY OF SELECTED BANKS IN PUNJAB.	10-12-18
50	1209070	26-06-12	Kshma Kaushal	Faqir Chand	kshma.kaushal@gmail.com	9855616267	Business Administration	Management	PORTFOLIO OPTIMIZATION: A COMPARATIVE STUDY OF INDIAN AND FOREIGN COMPANIES.	21-12-18
51	1306017	24-12-12	Vikrant Aggarwal	Varinder Aggarwal	vikrant0805@gmail.com	9781210730	Engineering	Mechanical Engineering	AVAILABILITY ANALYSIS AND OPTIMIZATION OF PRODUCTION SYSTEMS PERTAINING TO PROCESS INDUSTRIES.	05-01-19
52	1412006	20-08-14	Narinderjit Kaur	Lakhwinder Singh	minnie_bms@yahoo.co.in	9464888105	Applied Sciences	Chemistry	STUDY OF GREEN AND EFFICIENT SOLVENT EXTRACTION OF DYES FROM TEXTILE EFFLUENT USING REVERSE MICELLES.	05-01-19
53	1105024	02-08-11	Silki	Harbans Lal	silky_er@gmail.com	8816066592	Engineering	Electronics & Communication Engineering	VERTICAL HANDOVER TECHNIQUES FOR HETEROGENEOUS WIRELESS NETWORKS.	11-01-19
54	1309064	24-12-12	Balraj Singh	Baldev Singh	balrajsaini13@gmail.com	8146996996	Business Administration	Management	CORPORATE WEB DISCLOSURE PRACTICES IN INDIA: A COMPARATIVE STUDY OF PUBLIC AND PRIVATE SECTOR GIANTS.	11-01-19
55	1110019	02-08-11	Suman Lata	Som Nath	suman14_lata@yahoo.com	9463909206	Pharmaceutical Sciences	Pharmacy	PHYTOCHEMICAL SCREENING AND HEPATOPROTECTIVE ACTIVITY ON FLAVONOIDS OF CUCUMIS DIPSAUCEUS EHRENB.	14-01-19
56	1406117	05-09-14	Pardeep Singh	Jagsir Singh	pardeepbains000@yahoo.com	9888261461	Engineering	Mechanical Engineering	INVESTIGATION ON PERFORMANCE OF A NEW THERMAL ENERGY STORAGE SYSTEM HAVING PCM WITH DIFFERENT MELTING TEMPERATURES.	17-01-19
57	1306019	24-12-12	Sanjeev Kumar	Tarsem Lal	sk_74@rediffmail.com	9463048804	Engineering	Mechanical Engineering	EXPERIMENTAL INVESTIGATIONS ON HARD TURNING OF AISI 4340 STEEL.	21-01-19
58	1104006	02-08-11	Harbans Singh	Ram Singh	hs_randhawa2006@yahoo.com	9646109798	Engineering	Electrical Engineering	A STUDY ON TECHNO-ECONOMIC VIABILITY OF RURAL SOLAR POWER GRID FOR PUNJAB.	21-01-19
59	1010023	10-02-11	Anu Mahajan	Ram Dhan	anumahajan78@gmail.com	9988673735	Pharmaceutical Sciences	Pharmacy	PREPARATION AND CHARACTERIZATION OF LIPID NANOPARTICLES OF BCS CLASS-II DRUGS TO ENHANCE THEIR ORAL BIOAVAILABILITY.	22-01-19

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Sr. No	Reg. No	Date of Regd	Name of Candidate	F. Name	Email ID	Mobile/ Phone No.	Branch	Specialization	Tital of Thesis	Date of Viva-Voce
60	1103028	05-08-11	Pertik Garg	Ram Kumar Garg	waytogarg@gmail.com	9216910212	Engineering	Computer Science & Engineering	RESTORATION TECHNIQUE TO OPTIMIZE RECOVERY TIME FOR EFFICIENT OSPF NETWORK.	24-01-19
61	1206025	15-06-12	Rohit Rampal	Vijay Rampal	rampal_rohit86@yahoo.co.in	9988982699	Engineering	Mechanical Engineering	INVESTIGATION OF MAGNETICALLY ASSISTED ABRASIVE FINISHING PROCESS USING ABRASIVES OBTAINED BY DIFFERENT TECHNIQUES.	25-01-19
62	1214008	06-06-12	Sangeeta Rani	Nawal Kishore	parthj6@gmail.com	8146900675	Applied Sciences	Computer Applications	PROLIFERATION OF ANDROID MALWARE: AN ANALYTICAL STUDY OF ANDROID APPS AND ANTI MALWARE SECURITY.	25-01-19
63	1109059	05-08-11	Ramandeep Singh Deol	Mota Singh Deol	ramansdeol@gmail.com	9876254045	Business Administration	Management	A STUDY OF ECONOMIC AND SOCIAL VIABILITY OF REGIONAL RURAL BANKS IN PUNJAB.	28-01-19
64	1114011	02-08-11	Punam Rani	Jai Narain	punamrattan@gmail.com	9988095973	Applied Sciences	Computer Applications	MINING CRITICAL FACTORS AFFECTING EMPLOYABILITY: AN ANALYTICAL STUDY.	30-01-19
65	1208002	12-06-12	Bhupinder Pal Singh	Jagtar Singh	bpaldhot@hotmail.com	9417755569	Architecture	Architecture	COMPARATIVE EVALUATION OF THERMAL COMFORT IN HAVELIS AND MODERN RESIDENCES IN MALWA REGION OF PUNJAB, INDIA.	04-02-19
66	1310032	24-12-12	Meenu Nagpal	Narain Das Nagpal	meenu.nagpal51@gmail.com	9888555751	Pharmaceutical Sciences	Pharmacy	FORMULATION AND EVALUATION OF COLON DELIVERY SYSTEM USING MODIFIED NATURAL POLYSACCHARIDES.	05-02-19
67	1309142	24-12-12	Jaiman Preet Kaur	M.S Dhillon	jaiman2784@gmail.com	8054071799	Business Administration	Management	IMPACT OF ADVERTISING ON SOCIAL AND MORAL VALUES OF STUDENTS AND ITS RECTIFICATION : A STUDY OF PUNJAB.	05-02-19
68	1409011	30-01-14	Trilochan Chorasla	Shyam Sunder	tinku_s@yahoo.com	9468381683	Business Administration	Management	SOCIAL AUDIT OF MNREGA SCHEME: A STUDY OF DISTRICT REWARI AND MEWAT.	08-02-19
69	1205005	01-06-12	Neha	Suraj Prakash	chachra.neha@gmail.com	9896211931	Engineering	Electronics & Communication Engineering	ENERGY EFFICIENT ROUTING IN WIRELESS SENSOR NETWORKS.	11-02-19
70	1206029	15-06-12	Jagdeep Singh	Balbir Singh	jagdeep829@gmail.com	9779200280	Engineering	Mechanical Engineering	TECHNOLOGY AWARENESS AND UTILIZATION: ITS IMPACT ON THE AUTO PARTS INDUSTRIES OF PUNJAB.	14-02-19
71	1103008	03-08-11	Dinesh Kumar	Charan Singh	dk_scorpio@rediffmail.com	9417060111	Engineering	Computer Science & Engineering	AN EFFICIENT HONEYPOT SYSTEM FOR MULTICAST NETWORKS USING EVOLUTIONARY TECHNIQUES.	18-02-19

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72	1210002	27-06-12	Anshul Khurana	Ashok Kumar	anshul_chawla123@yahoo.com	7696824202	Pharmaceutical Sciences	Pharmacy	GREEN SYNTHESIS OF IMIDAZOLE SUBSTITUTED PYRROLE DERIVATIVES AND THEIR BIOLOGICAL EVALUATION.	18-02-19
73	1009039	10-02-11	Ramandeep Kaur	Gursharan Singh	ramandeep_lcet@rediffmail.com	9855888000	Business Administration	Management	EFFECT OF ORGANIZATIONAL CULTURE AND LEADERSHIP STYLES ON JOB SATISFACTION AMONG BANK MANAGERS : A COMPARATIVE STUDY OF PUBLIC AND PRIVATE SECTOR BANKS.	22-02-19
74	1314014	24-12-12	Sukhwinder Singh	Paramjit Singh	oberoimca@yahoo.co.in	9780457475	Applied Sciences	Computer Applications	DEVELOPING METRIC SET FOR ANALYZING USE OF SOCIAL MEDIA IN E-GOVERNANCE IN PUNJAB.	22-02-19
75	1203033	12-06-12	Pawan Kumar	Somparkash	pawanspp@gmail.com	9255473207	Engineering	Computer Science & Engineering	DESIGN AND IMPLEMENTATION OF ENCRYPTION BASED DATA SECURITY ALGORITHMS FOR CLOUD ENVIRONMENT.	25-02-19
76	1014027	25-01-11	Tarandeep Singh	Satinder Singh	tarandeepsks@mail.com	9914014871	Applied Sciences	Computer Applications	TRANSACTION OPTIMIZATION OF PRODUCTION DATABASE SERVER AND REPORTING DATABASE SERVER.	27-02-19
77	1203030	12-06-12	Meenakshi Bansal	Surinder Kumar Bansal	ermeenu10@gmail.com	8146800408	Engineering	Computer Science & Engineering	ON PRIVACY PRESERVING DATA MINING OF FINANCIAL DATA USING FUZZY LOGIC AND CRYPTOGRAPHY.	15-02-19
78	1014021	10-02-11	Neha Sethi	Satish Sethi	neha_tejpal@yahoo.co.com	9888300111	Applied Sciences	Computer Applications	ON TASK SCHEDULING IN CLOUD ENVIRONMENT WITH LOAD BALANCING	18-02-19
79	1103007	03-08-11	Sukhwinder Sharma	Jagdish Sharma	sukhwinder.sharma@bbsbec.ac.in	9914303090	Engineering	Computer Science & Engineering	ENERGY EFFICIENT DATA COLLECTION TECHNIQUES IN WIRELESS SENSOR NETWORKS	28-02-19
80	1009046	04-08-11	Shallu	Daljit Singh	shallurandhawa@yahoo.com	9855620010	Business Administration	Management	IMPACT OF STRATEGIC HUMAN RESOURCE MANAGEMENT ON THE PERFORMANCE OF MANUFACTURING INDUSTRY.	01-03-19
81	11.102.10	05-05-10	Swati Sharma	Miklesh Kumar Sharma	swatidwivedi2006@yahoo.co.in	9779983104	Business Administration	Management	IMPACT OF ORGANIZATION CULTURE ON EMPLOYEE SATISFACTION AND COMMITMENT: A COMPARATIVE STUDY OF PRIVATE AND PUBLIC SECTOR BANKS	08-03-19
82	1303063	01-08-13	Sushil Kumar	Ram Krishan	er.kamboj@gmail.com	9501018833	Engineering	Computer Science & Engineering	DESIGN STRATEGY FOR MINIMIZING THE EFFECT OF DENIAL OF SERVICE ATTACKS IN VANETs	08-03-19

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83	1112016	03-08-11	Prabhjot Kaur	Amar Singh	prabhjot.sandhu1@gmail.com	9501009569	Applied Sciences	Chemistry	SYNTHESIS OF NANOWIRES BY USING NANO-POROUS ANODIZED ALUMINUM TEMPLATE AND THEIR ENVIRONMENTAL APPLICATIONS.	11-03-19
84	1210011	27-06-12	Parveen Kumar	Sat Narayan	parveen.k.goyal@gmail.com	9416243212	Pharmaceutical Sciences	Pharmacy	PHARMACOLOGICAL STUDIES ON DIDYMOCARPUS PEDICELLATA, PARMELIA PERLATA, VERNONIA CINEREA AND THEIR MECHANISMS IN EXPERIMENTAL MODELS OF CALCIUM OXALATE UROLITHIASIS.	15-03-19
85	1009038	10-02-11	Rakesh Kumar	Bakhshi Ram	rakeshkumar.mehta@yahoo.com	9888446484	Business Administration	Management	PERFORMANCE OF INDIAN BANKING INDUSTRY IN NEW BASEL NORMS-A STUDY OF SELECTED BANKS	14-03-19
86	1109121	26-08-11	Megha Jain	Suresh Jain	megha_1335@yahoo.co.in	9879877596	Business Administration	Management	A STUDY OF STRESS AND BURNOUT AMONG FACULTY MEMBERS IN PRIVATE UNIVERSITIES OF PUNJAB.	18-03-19
87	1309094	24-12-12	Roshan Kumar	R.B Prasad	roshan.singh79@gmail.com	9888965346	Business Administration	Management	IMPACT OF FOREIGN EXCHANGE RATE FLUCTUATIONS ON STOCK PRICES IN SELECTED INDUSTRIES.	22-03-19
88	1009035	10-02-11	Rajan Sidhar	Rajpal Sidhar	cdharz44@rediffmail.com	9417932077	Business Administration	Management	EFFECT OF PERSONALITY AND LEADERSHIP STYLES OF COLLEGE PRINCIPALS ON CONFLICT HANDLING - A CASE STUDY OF PUNJAB.	22-03-19
89	1109132	30-12-11	Parmod Sharma	Joginder Pal	parmodsharma81@yahoo.co.in	9888587720	Business Administration	Management	A STUDY OF RESPONSIVENESS OF SELECTED INDIAN COMPANIES TOWARDS CORPORATE SOCIAL RESPONSIBILITY.	25-03-19
90	1309133	24-12-12	Priyanka Singh	Ranjeet Singh	pspriyankasingh399@gmail.com	9216700771	Business Administration	Management	IMPACT OF ANTECEDENTS OF CUSTOMER SHOPPING EXPERIENCE ON IMPULSE BUYING: AN ANALYSIS OF MEDIATING AND MODERATING EFFECTS.	28-03-19
91	1109108	26-08-11	Vriti Kalia	B.M.Kalia	vriti_attitude5@yahoo.co.in	9814292929	Business Administration	Management	IMPACT OF OCCUPATIONAL STRESS AND EMOTIONAL INTELLIGENCE ON JOB SATISFACTION: A STUDY OF SELECTED EDUCATIONAL INSTITUTIONS OF HIGHER EDUCATION IN PUNJAB.	28-03-19
92	1209041	22-06-12	Meenu Singla	R. K. Singla	meenu.goyal4u@gmail.com	9463195259	Business Administration	Management	HRM PRACTICES AND RETENTION OF EMPLOYEES: A STUDY OF TEXTILE INDUSTRY	29-03-19
93	1109087	08-08-11	Monika Arora	Surinder Kumar	mangalganesha@rediffmail.com	9855552031	Business Administration	Management	INCOME TAX STRUCTURE AND REFORMS IN INDIA-AN EVALUATION OF INDIVIDUALS' PERSPECTIVE	30-03-19

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94	1113023	05-08-11	Shilpy Budhiraja	Vinod Budhiraja	shilpy.budhiraja@gmail.com	9041091966	Applied Sciences	Mathematics	GENERALIZED THERMOELASTIC MEDIUM UNDER THE INFLUENCE OF DIFFERENT SOURCES	01-04-19
95	1421001	30-01-14	Srishti	Rakesh Sehgal	sehgalisrishti@gmail.com	9779393438	Language	English	AUTOBIOGRAPHICAL NARRATIVES OF BLACK PANTHERS: THE REPRESENTATION OF COUNTER-CULTURE IN AMERICA	04-04-19
96	1511006	24-08-15	Neha Verma	Dev Raj Verma	nv0027@gmail.com	9878403151	Applied Sciences	Physics	SYNTHESIS OF NANOSTRUCTURED ZnO AND ITS APPLICATIONS FOR GAS SENSING AND PHOTODEGRADATION OF DYES	04-04-19
97	1209004	21-06-12	Deepika Sahdev	Joginder Kumar Sahdev	deepika.sahdev@gmail.com	9815712424	Business Administration	Management	EFFICACY OF E-GOVERNANCE IN PUNJAB	05-04-19
98	1109064	28-04-11	Jatinder Kumar	Rajinder Kumar	jatinder_arora@rediffmail.com	9316301355	Business Administration	Management	IMPACT OF BUYER'S BUYING BEHAVIOUR IN SHIFTING FROM CONVENTIONAL TO ORGANIC FOOD PRODUCTS IN PUNJAB AND CHANDIGARH	05-04-19
99	1113003	05-08-11	Arvind Kumar	Sarjeet Singh	math_arvi@yahoo.in	9468021040	Applied Sciences	Mathematics	DYNAMIC PROBLEMS IN MICROPOLAR ELASTIC MEDIA	25-01-19
100	1303049	01-08-13	Amit Kumar	Sajjan	amithatkar92@gmail.com	9812130124	Engineering	Computer Science & Engineering	ON THE DESIGN AND ANALYSIS OF ENHANCED CLUSTERED CHAIN BASED POWER AWARE ROUTING WITH NATURAL COMPUTING TECHNIQUE FOR WIRELESS SENSOR NETWORKS	12-04-19
101	1403008	30-01-14	Sukhpreet Kaur	Joginder Pal Singh	er.sukhpreetkaur@gmail.com	9876184815	Engineering	Computer Science & Engineering	COMPUTER AIDED DIAGNOSIS FOR SEGMENTATION OF BLOOD VESSELS IN RETINAL IMAGES	12-04-19
102	1409061	20-08-14	Manpreet Kaur	Paramjeet Singh	manpreetkaurvirdi@hotmail.com	9501109354	Business Administration	Management	PUBLIC OFFER'S PERFORMANCE- A STUDY OF NSE LISTED COMPANIES SINCE 2001	16-04-19
103	1109125	02-09-11	Jai Parkash	Sawali Mohan	jaiparkash1983@gmail.com	9569999104	Business Administration	Management	CUSTOMER SATISFACTION IN INDIAN TELECOMMUNICATION INDUSTRY	22-04-19
104	1106008	03-08-11	Amardeep Singh	Harbans Singh	amardeep.singh@bbsbec.ac.in	9814666204	Engineering	Mechanical Engineering	STUDIES IN CHARACTERIZATION AND PERFORMANCE OF MAGNETIC ABRASIVES	23-04-19
105	1011009	10-02-11	Lakshbir Singh	Ram Nath	induskhushi@yahoo.co.com	9464051742	Applied Sciences	Physics	INVESTIGATIONS ON STRUCTURAL, FERROELECTRIC, DIELECTRIC AND SWITCHING PROPERTIES OF NITRILE/NITRATE: POLYMER COMPOSITE FILMS	23-04-19
106	1315003	24-12-12	Cinny Makkar	Indresh Kumar	cinnymalhotra@gmail.com	8146299388	Life Sciences	Biotechnology	EFFECT OF VERMICOMPOST ON GROWTH, YIELD AND QUALITY OF LINUM USITATISSIMUM AND CAPSICUM ANNUM	27-04-19

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107	1109041	05-08-11	Vikas Sharma	Ram Kumar Sharma	vikas_sharma561@yahoo.com	9996038005	Business Administration	Management	GROWTH, PERFORMANCE AND PROSPECTS OF MANUFACTURING INDUSTRIES IN HARYANA - A COMPARATIVE STUDY	29-04-19
108	1312017	01-08-13	Vaneet Dhir	Chaman Lal Dhir	vaneetdhir@yahoo.co.in	9872216880	Applied Sciences	Chemistry	TRANSPORT PROPERTIES OF VARIOUS α -AMINO CARBOXYLIC ACIDS AND PEPTIDE IN AQUEOUS SOLUTIONS OF DIFFERENT NITRATES AT TEMP= (288.15-318.15) K	30-04-19
109	1115012	02-08-11	Mamta Rani	Darshan Lal	mamtaarora.2007@rediffmail.com	9463027367	Life Sciences	Biotechnology	IN VITRO PROPAGATION AND PHYTOCHEMICAL ANALYSIS OF CREPIDIUM ACUMINATUM (D.DON) SZLACH	03-05-19
110	1511010	24-08-15	Manish Kumar	Nareish Kumar	manishpandit1313@gmail.com	9888612193	Applied Sciences	Physics	A STUDY ON ENVIRONMENTAL RADIOACTIVITY IN JALANDHAR AND KAPURTHALA DISTRICTS OF PUNJAB WITH SPECIAL EMPHASIS ON INDOOR RADON, THORON AND PROGENY CONCENTRATIONS	09-05-19
111	1309167	01-08-13	Palki	Prem Nath	palki_sharma1234@yahoo.co.in	9646998835	Business Administration	Management	A STUDY ON QUALITY OF WORK LIFE OF EMPLOYEES IN PUNJAB STATE POWER CORPORATION LIMITED	10-05-19
112	1014012	10-02-11	Harmeet Kaur	Satwant Singh Thukral	hrmt01@yahoo.com	9418107368	Applied Sciences	Computer Applications	A STUDY FOR THE ESTIMATION OF LEGACY PROGRAMS FOR EFFECTIVE REENGINEERING	14-05-19
113	1205024	22-05-12	Suman	Bhagat Ram Ahuja	sumanbhagat_1199@yahoo.co.in	9465124175	Engineering	Electronics & Communication Engineering	IMPACT ANALYSIS OF RF RADIATIONS USING ECG-EEG MAPPING AND SOFT COMPUTING TECHNIQUES	15-05-19
114	1213021	30-07-12	Ashu	Gulshan Malhotra	bahis@rediffmail.com	9646005261	Applied Sciences	Mathematics	SOME EFFICIENT ITERATIVE METHODS WITH COMPLEX DYNAMICS FOR SOLVING NONLINEAR EQUATIONS	17-05-19
115	1306024	14-02-13	Anil Kumar	Joginder Kumar	anil.me77@gmail.com	9872984895	Engineering	Mechanical Engineering	CRITICAL ANALYSIS OF BARRIERS TO PROMOTING ENERGY CONSERVATION IN INDIAN INDUSTRIES	17-05-19
116	1114002	02-08-11	Dinesh	Rishi Mahajan	mah_ajan@yahoo.com	9464377938	Applied Sciences	Computer Applications	INVESTIGATION ON SECURE ROUTING PROTOCOLS FOR MOBILE ADHOC NETWORKS	20-05-19
117	1203002	12-06-12	Jasmeen Gill	Karan Singh Gill	er.jasmeengill@gmail.com	9988095068	Engineering	Computer Science & Engineering	AUTOMATIC MANGO FRUIT CLASSIFICATION USING SOFT COMPUTING MODELS	20-05-19

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118	1405013	30-01-14	Harsimranjit Singh Gill	Didar Singh Gill	harsimran18@gmail.com	8054000307	Engineering	Electronics & Communication Engineering	MITIGATION OF SECURITY ISSUES IN NEXT GENERATION PASSIVE OPTICAL NETWORKS	20-05-19
119	1213008	06-06-12	Divya Taneja	Virender Kumar Taneja	dtaneja25@yahoo.co.in	9855526296	Applied Sciences	Mathematics	ON THE STUDY OF GENERALISED QUANTUM MAXIMUM-DISTANCE-SEPARABLE (MDS) AND BOSE-CHAUDHURI-HOCQUENGHEM (BCH) CODES	21-05-19
120	1109123	02-09-11	Nidhi Singla	Sudarshan Singla	nidhi20003@rediffmail.com	9814643555	Business Administration	Management	TO STUDY THE RELATIONSHIP BETWEEN PERSONALITY AND JOB INVOLVEMENT OF MANAGEMENT TEACHERS (AN EMPIRICAL STUDY OF THE MANAGEMENT TEACHERS OF PUNJAB TECHNICAL UNIVERSITY)	21-05-19
121	1109008	05-08-11	Santosh Bala Sharma	K L Sharma	bali.santosh7@gmail.com	9896153883	Business Administration	Management	EFFECT OF BRAND AWARENESS ON CONSUMER BUYING BEHAVIOUR OF VARIOUS KINDS OF DURABLE GOODS IN PUNJAB STATE	24-05-19
122	1310046	01-08-13	Manish Kumar	Ram Karan	mkpharmacology@gmail.com	9050757400	Pharmaceutical Sciences	Pharmacy	STUDIES TO EXPLORE THE ROLE OF PHOSPHODIESTERASE-3-KINASE/AKT MODULATORS IN EXPERIMENTAL MODEL OF ALZHEIMER'S DISEASE	27-05-19
123	1305005	24-12-12	Priyanka Nain	Shiv Kumar	priyankasangwan07@gmail.com	9896178750	Engineering	Electronics & Communication Engineering	AN EFFICIENT HARDWARE BASED FIXED POINT COMPLEX NUMBER MAC DESIGN	28-05-19
124	1113013	05-08-11	Kanwalpreet Kaur	Surinder Singh	raffar.bal@gmail.com	9914209494	Applied Sciences	Mathematics	INVESTIGATION OF QUALITATIVE BEHAVIOURS OF IMPULSIVE DIFFERENTIAL SYSTEM THROUGH LYAPUNOV METHOD	29-05-19
125	1103009	04-08-11	Amarpreet Singh	Ajit Singh	amarmandeep@yahoo.com	9855738620	Engineering	Computer Science & Engineering	DESIGN AND EVALUATION OF COVERT CHANNELS IN AD-HOC WIRELESS NETWORK	03-06-19
126	1102004	02-08-11	Sonia Chutani	Tilak Raj Chutani	soniachutani_anni@yahoo.co.in	9988240295	Engineering	Civil Engineering	MINIMUM COST DESIGN OF REINFORCED CONCRETE FRAMES	06-06-19
127	1016001	21-02-11	Mehar Preet Singh	Prit Pal Singh	meharpreet@gmail.com	9815600254	Life Sciences	Medical Lab Technology	INCIDENCE OF ABO AND Rh INCOMPATIBILITY IN PUNJABI COUPLES	06-06-19

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128	1005014	25-01-11	Amardeep Singh	Gurdarshan Singh	virk_rana@yahoo.com	9815901836	Engineering	Electronics & Communication Engineering	MONITORING, DETECTION AND ANALYSIS OF DISPLACEMENT USING TECHNIQUES FOR GULABA (H.P) LANDSLIDE SITE	06-06-19
129	1203041	13-07-12	Rini Mahajan	Mohan Lal Mahajan	rinimahajan@rediffmail.com	9465702074	Engineering	Computer Science & Engineering	OPTIMIZING SECURITY FOR MANAGING IDENTITIES IN THE CLOUD WITH WINDOWS AZURE ACTIVE DIRECTORY SERVICES	06-06-19
130	1303009	24-12-12	Deepak Kumar Sharma	Ram Kumar Sharma	masterdeepak12@gmail.com	9911502371	Engineering	Computer Science & Engineering	AN INFORMATION SYSTEM FOR BUSINESS RULE MANAGEMENT	06-06-19
131	1303008	24-12-12	Ashok Kumar	Virender Kumar	er.ashokgoel@gmail.com	9717215215	Engineering	Computer Science & Engineering	DESIGN AND IMPLEMENT AN EFFICIENT QUERY BASED TOOL FOR RESPONSE FETCHED FROM THE HIDDEN WEB RESOURCES	06-06-19
132	1111008	03-08-11	Harpreet Pal Singh	Jarnail Singh	harpreet_bhana@yahoo.co.in	9815993880	Applied Sciences	Physics	SYNTHESIS AND CHARACTERIZATION OF NANOWIRES AND NANOPARTICLES FOR THE FABRICATION OF SOLAR CELLS	08-06-19
133	1213011	06-06-12	Kulwinder Singh	Gurdial Singh	kgill1@gmail.com	9988500991	Applied Sciences	Mathematics	MATHEMATICAL MODELS FOR ELASTODYNAMIC PROBLEMS IN MICROPOLAR THERMOELASTIC MEDIA	10-06-19
134	1404017	20-08-14	Priyanka	Raj Kumar	anand_priyanka10@yahoo.co.in	9996613006	Engineering	Electrical Engineering	Intelligent Modeling and Design of Renewable Energy Based Hybrid Power Systems	11-06-19
135	1109074	05-08-11	Monika Hanspal	Balwinder Singh	monika.hanspal@gmail.com	9815312957	Business Administration	Management	EVALUATION OF LONG TERM CO-OPERATIVE CREDIT STRUCTURE: A COMPARATIVE STUDY OF PUNJAB & HARYANA	11-06-19
136	1303013	24-12-12	Mini Singh Ahuja	B.S Ahuja	minianhadh@yahoo.co.in	9417357153	Engineering	Computer Science & Engineering	DEVELOPING EFFICIENT COMMUNITY DETECTION ALGORITHMS	12-06-19
137	1209046	22-06-12	Surinder Singh	B.S.Khullar	sskhullar@gmail.com	9811377692	Business Administration	Management	AN EMPIRICAL STUDY OF THE COMPLAINT REDRESSAL SYSTEM OF BANKS WITH SPECIAL REFERENCE TO PUBLIC AND PRIVATE BANKS OF NATIONAL CAPITAL REGION (NCR)	14-06-19
138	1205028	22-05-12	Ashok Kumar	Jagan Nath	ashokcalicut1993@gmail.com	9416145907	Engineering	Electronics & Communication Engineering	PERFORMANCE ANALYSIS AND OPTIMIZATION OF BANDWIDTH IN PASSIVE OPTICAL NETWORKS	18-06-19

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Sr. No	Reg. No	Date of Regd	Name of Candidate	F. Name	Email ID	Mobile/ Phone No.	Branch	Specialization	Title of Thesis	Date of Viva-Voce
139	1305007	24-12-12	Nidhi	G. D. Bansal	nidhi461@gmail.com	8727058014	Engineering	Electronics & Communication Engineering	Analysis and Evaluation of Pulse Diagnosis based on Natural Imbalance in the Human Body	18-06-19
140	1206034	15-06-12	Raman Kumar	Sansar Chand	sehgal91@yahoo.co.in	9855100530	Engineering	Mechanical Engineering	Optimization of Energy Consumption, Surface Roughness and Material Removal Rate in Turning Operations	19-06-19
141	1109018	05-08-11	Irina Rana	K S Rana	irina.rana@yahoo.co.in	9987131764	Business Administration	Management	IMPACT OF NIGHT SHIFT ON WORKLIFE BALANCE OF DOCTORS AND PARAMEDICAL STAFF IN PUNJAB	21-06-19
142	1104009	02-08-11	Ranvir Kaur	Darbara Singh	ranvir7674@yahoo.co.in	9814820271	Engineering	Electrical Engineering	ANALYSIS OF MULTI-INVERTER CONTROL OF INDUCTION MOTOR	24-06-19
143	1309050	24-12-12	Raj Kumari	Mustaq Singh	kumari81@yahoo.co.com	8054259600	Business Administration	Management	REVENUE, EXPENDITURE AND FINANCIAL PLANNING IN URBAN LOCAL BODIES - A COMPARATIVE STUDY OF MUNICIPAL CORPORATIONS IN PUNJAB	24-06-19
144	1014016	10-02-11	Karanbir Singh	Jagmal Singh	karan_nehra@yahoo.co.com	9416250022	Applied Sciences	Computer Applications	DISTRIBUTED DEFENSE AGAINST DDOS ATTACKS USING COLLABORATIVE AGENTS IN ISP NETWORKS	24-06-19
145	1109010	05-08-11	Rajan Dhir	D. S Dhir	dhir_425@yahoo.co.com	9814061660	Business Administration	Management	CORPORATE GOVERNANCE PRACTICES AMONG SELECTED INDUSTRIES: AN EMPIRICAL STUDY	26-06-19
146	1409085	05-09-14	Sachin Kumar	Sham Sunder	sachinkatira@yahoo.co.com	9779715124	Business Administration	Management	ARTICULATING RELATIONSHIP BETWEEN SPOT AND FUTURE COMMODITY MARKET IN INDIA	26-06-19
147	1109112	01-08-11	Punam Sharma	Sukhdev Kumar	psharma1108@gmail.com	9530611755	Business Administration	Management	CORPORATE GOVERNANCE PRACTICES IN INDIA - A STUDY OF LISTED COMPANIES OF THE STATE OF PUNJAB AND CHHATTISGARH	16-04-19
148	1106004	03-08-11	Sandeep Gandotra	Dev Raj Gandotra	sandeep.gandotra@yahoo.co.in	9872622178	Engineering	Mechanical Engineering	DEVELOPMENT OF EFFICIENT TOOLS FOR CONCEPT DESIGN IN VIRTUAL REALITY ENVIRONMENT	05-07-19
149	1105018	04-08-11	Harish Chander	Ram Lal	harishrajni@rediffmail.com	9416937381	Engineering	Electronics & Communication Engineering	EFFECTIVE SPEECH ENHANCEMENT TECHNIQUE FOR MOBILE COMMUNICATION	08-07-19
150	1309049	24-12-12	Jyotsna Sharma	Sham Lal Sharma	jyotsna1_sharma@yahoo.com	8427900911	Business Administration	Management	IMPACT OF E-BANKING SERVICES ON SERVICE QUALITY: A STUDY OF RURAL AND URBAN AREAS OF PUNJAB	08-07-19

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Sr. No	Reg. No	Date of Regd	Name of Candidate	F. Name	Email ID	Mobile/Phone No.	Branch	Specialization	Total of Thesis	Date of Viva-Voce
151	1104014	09-02-12	Ashish Sharma	Mohan Lal Sharma	ashishdpr@rediffmail.com	8968286655	Engineering	Electrical Engineering	ESTIMATION OF OPTIMAL CAPACITANCE FOR CONSTANT VOLTAGE OPERATION OF SELF EXCITED INDUCTION GENERATOR USING ARTIFICIAL INTELLIGENT TECHNIQUE	09-07-19
152	1504001	24-12-14	Mohan Kashyap	Ram Nath Sharma	mohankashyap80@gmail.com	9416412580	Engineering	Electrical Engineering	INTEGRATION OF DISTRIBUTED GENERATION IN POWER SYSTEM NETWORKS	09-07-19
153	1403048	20-08-14	Sandeep Ranjan	Om Parkash Kashyap	ersandeeppranjan@yahoo.com	9872388862	Engineering	Computer Science & Engineering	PREDICTION MODEL FOR BEHAVIOR ANALYSIS OF SOCIAL NETWORK COMMUNITY STRUCTURES	11-07-19
154	1005007	04-08-11	Manwinder Singh	Mangal Singh	singh.manwinder@gmail.com	9815597989	Engineering	Electronics & Communication Engineering	DEVELOPMENT OF QUALITY OF SERVICES (QoS) PROVISIONING IN COGNITIVE RADIOS NETWORKS	12-07-19
155	1403014	30-01-14	Amandeep Kaur	Harsimran Singh	amandeep76@rediffmail.com	9914115611	Engineering	Computer Science & Engineering	CLOUD ENABLED RADIOLOGY INTEGRATION SYSTEM AND SERVICE ARCHITECTURE	12-07-19
156	1405024	20-08-14	Lavish Kansal	Sham Lal Kansal	lavish.s690@gmail.com	9417700690	Engineering	Electronics & Communication Engineering	PERFORMANCE EVALUATION OF WIMAX NETWORK INCORPORATING DIVERSE TRANSFORMATION TECHNIQUES	15-07-19
157	1410030	20-08-14	Priyanka Kriplani	Puran Chand	pinku124@gmail.com	7206120128	Pharmaceutical Sciences	Pharmacy	FORMULATION AND EVALUATION OF NOVEL HERBAL DRUG DELIVERY SYSTEM FOR OSTEOARTHRITIS	16-07-19
158	1009027	10-02-11	Parvinder Singh	Pritam Singh	parvinder_sd@yahoo.com	9872862864	Business Administration	Management	IMPACT OF MODERN WHOLESALE - CASH AND CARRY FORMAT ON THE DISTRIBUTION STRUCTURE OF FOOD AND GROCERY RETAIL IN PUNJAB	12-07-19
159	1305003	24-12-12	Rishi Pal	Suresh Kumar	er.rishi.p@gmail.com	8295066003	Engineering	Electronics & Communication Engineering	A SINGLE ELECTRON DEVICE: PHYSICS, SIMULATION & DESIGN	19-07-19
160	1203026	12-06-12	Abhilaasha	Surinder Kumar	abd_jain@rediffmail.com	9417941071	Engineering	Computer Science & Engineering	OPTIMIZATION OF ENERGY USAGE IN WIRELESS SENSOR NETWORKS USING SOFT COMPUTING APPROACH	25-07-19

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161	1305010	24-12-12	Navneet Kaur	Amarjeet Singh	er.navneet_15@yahoo.co.in	8283844114	Engineering	Electronics & Communication Engineering	DESIGN AND PERFORMANCE OPTIMIZATION OF MULTIGATE FIELD EFFECT TRANSISTOR STRUCTURE	26-07-19
162	1109053	02-08-11	Raju Rosha	Paramjit Singh Rosha	raju.rossha@gmail.com	9530990909	Business Administration	Management	A STUDY ON ASSESSMENT OF SERVICE QUALITY BY THE TRAVEL AGENTS IN THE STATE OF PUNJAB	26-07-19
163	1003008	25-01-10	Rajveer Kaur	Major Singh	er_rajveer@rediffmail.com	9815452523	Engineering	Computer Science & Engineering	DETECTION AND PREVENTION OF BLACK HOLE AND GRAY HOLE ATTACKS IN DSR BASED MOBILE AD-HOC NETWORKS	26-07-19
164	1410022	30-01-14	Atul Arya	Ramkishan Arya	atularya07@gmail.com	9779981111	Pharmaceutical Sciences	Pharmacy	ROLE OF ATRIAL NATRIURETIC PEPTIDE IN CONTROLLING THE DIABETIC NEPHROPATHY IN RATS	29-07-19
165	1002004	25-01-11	Khergamwala Pinal Chiman Lal	C.R. Khergamwala	sainipinal@yahoo.com	8284989297	Engineering	Civil Engineering	STUDY OF SHEAR CHARACTERISTICS OF RECYCLED AGGREGATE CONCRETE BEAMS	30-07-19
166	1009017	10-02-11	Kshitija Mittal	Raj Kumar Mittal	kshitija213@gmail.com	9988978321	Business Administration	Management	A STUDY OF WORK LIFE BALANCE AMONGST MANUFACTURING AND SERVICE SECTOR EMPLOYEES OF NORTH WESTERN REGION OF INDIA	31-07-19
167	1605002	09-01-16	Sonu Bala	Tarsem Lal	sonugarg79@yahoo.co.com	9501756300	Engineering	Electronics & Communication Engineering	DEVELOPMENT OF IMPROVED HYBRID MODEL FOR THE ANALYSIS OF MEDICAL DATA	02-08-19
168	1403037	20-08-14	Ashish Kumar Chakraverti	Phool Chandra Chakraverti	ashish.me08@gmail.com	9717978667	Engineering	Computer Science & Engineering	AN EFFICIENT AND ROBUST IMAGE FORGERIES DETECTION SYSTEM	02-08-19
169	1311021	24-12-12	Manjit Kaur	Bakhshish Singh	sainimanjeet.kaur@gmail.com	9888978416	Applied Sciences	Physics	PREPARATION AND CHARACTERIZATION OF METAL PHTHALOCYANINE FILMS FOR DEVICE APPLICATION	02-08-19
170	1314023	24-12-12	Harmandeep Singh	Baldev Singh	gill.gurseerat@gmail.com	8146888188	Applied Sciences	Computer Applications	CLASSIFICATION OF FRUIT IMAGES USING OPTIMAL FEATURES EXTRACTED BY SOFT-COMPUTING TECHNIQUES	02-08-19
171	1213012	06-06-12	Rakesh Kumar	Chaman Lal	keshav20070@gmail.com	9872427106	Applied Sciences	Mathematics	STABILITY AND BIFURCATION ANALYSIS OF MATHEMATICAL MODELS ON INNOVATION DIFFUSION SYSTEMS	05-08-19

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172	1113028	02-09-11	Priyanka Kaushal	Ram Kumar Kaushal	pkaushal884@gmail.com	9463383751	Applied Sciences	Mathematics	MATHEMATICAL MODELLING OF DYNAMIC PROBLEMS IN THERMOELASTIC CONTINUA	07-08-19
173	1113021	05-08-11	Reshampal Kaur	Jagtar Singh	resham03in@yahoo.co.in	9650639190	Applied Sciences	Mathematics	EFFECTIVENESS OF DEA MODELS IN MEASURING EFFICIENCY OF PUBLIC SECTOR BANKS IN INDIA	14-08-19
174	1413009	30-01-14	Harpreet Kaur	Gurdeep Singh	harpreet2610@yahoo.com	9417728591	Applied Sciences	Mathematics	Analytical investigation of some problems of fluid dynamics	14-08-19
175	1206005	15-06-12	Aman Sol	Suresh Kumar Sol	amansoi85@gmail.com	9815858782	Engineering	Mechanical Engineering	INVESTIGATION ON HEAT TRANSFER AND FLOW CHARACTERISTICS OF ARTIFICIALLY ROUGHENED DUCT USED IN SOLAR AIR HEATER	16-08-19
176	1205033	01-06-12	Harjeet Singh	Darshan Singh	hssidhu1061@rediffmail.com	9815125260	Engineering	Electronics & Communication Engineering	EFFICIENT CHANNEL ESTIMATION FOR OFDM IN WIRELESS COMMUNICATION SYSTEM	16-08-19
177	1005017	10-02-11	Monika Mehra	R.K.Mehra	monika_namya@yahoo.co.in	9814782550	Engineering	Electronics & Communication Engineering	PERFORMANCE ENHANCEMENT OF COHERENT OPTICAL COMMUNICATION SYSTEMS	16-08-19
178	1313015	01-08-13	Palwinder Singh	Lakhbir Singh	palwinder_bolina@yahoo.co.in	9814390119	Applied Sciences	Mathematics	INVESTIGATION OF IMPULSIVE DYNAMICAL SYSTEMS FOR STABILITY BY USING LYAPUNOV TECHNIQUE	19-08-19
179	1406042	30-01-14	Harmeet Singh	Narinder Singh	harmeet_pabla@yahoo.com	9876071180	Engineering	Mechanical Engineering	DESIGN AND ANALYSIS OF METAL MATRIX COMPOSITE BASED LEAF SPRING	19-08-19
180	1404006	30-01-14	Vishavdeep	Ramesh Kumar Jindal	jindal.260@gmail.com	9315129535	Engineering	Electrical Engineering	EXPERIMENTAL ANALYSIS OF KRAFT PAPER INSULATION OF POWER TRANSFORMER	20-08-19
181	1512002	24-08-15	Rajesh Kumar	Surinder Kumar	rk.ash2k7@gmail.com	9876133458	Applied Sciences	Chemistry	SYNTHESIS AND CHARACTERIZATION OF CELLULOSE GRAFT COPOLYMERS AS ADSORBENTS FOR METAL IONS AND ORGANIC DYES	21-08-19
182	1505019	24-08-15	Rohan Gupta	K. K. Gupta	rohan2gupta@yahoo.co.in	9996955892	Engineering	Electronics & Communication Engineering	AN EFFICIENT FRAMEWORK FOR DATA DISSEMINATION IN MANETS	22-08-19
183	1102002	08-02-11	Daljeet Singh	Jagrup Singh	daljitsidhu@hotmail.com	9501019789	Engineering	Civil Engineering	EVALUATION OF SOIL SUBGRADE CHARACTERISTICS IN FIELD APPLICATION	22-08-19

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184	1405035	20-08-14	Sushil Kakkar	Madan Lal Kakkar	kakkar778@gmail.com	8968999119	Engineering	Electronics & Communication Engineering	DEVELOPMENT OF MICROSTRIP PATCH ANTENNAS USING DEFECTED GROUND STRUCTURE FOR EMERGENCY MANAGEMENT	23-08-19
185	1009019	10-02-11	Megha Munjal	Rajinder Munjal	meghamunjal@yahoo.com	8872507555	Business Administration	Management	INTERNAL CORPORATE GOVERNANCE PRACTICES IN BANKING SECTOR - EVIDENCE FROM INDIA	23-08-19
186	1320001	24-12-12	Pankaj Kumar	Manohar Lal	pankaj51271@gmail.com	9855711156	Human Value	Human Value	A COMPARATIVE STUDY OF PRECONDITIONING IN URBAN AND RURAL SCHOOL STUDENTS IN BORDER AREA DISTRICTS	23-08-19
187	1102001	02-08-11	Keenu Nayyar	Kapil Dev Nayyar	keenu_123ind@yahoo.co.in	9915177255	Engineering	Civil Engineering	STUDY OF VARIOUS PROPERTIES OF SELF COMPACTING CONCRETE INCORPORATING NANOSILICA	26-08-19
188	1309074	24-12-12	Rajesh Shankar Sharma	Bawa Ditta Sharma	purang.rajesht23@gmail.com	9569012310	Business Administration	Management	CONSUMER PERCEPTION AND SATISFACTION LEVEL TOWARDS CONTEMPORARY SERVICES - A STUDY OF INDIAN COMMERCIAL BANKS	28-08-19
189	1406002	30-01-14	Jagdeep Kumar Sharma	Ramesh Kumar	jagdeep.sharma@live.com	9915852929	Engineering	Mechanical Engineering	TO DEVELOP THE APPLICATIONS OF SALT BATH NITRO-CARBURIZING PROCESS ON AISI 1018 STEEL USING AN INFRARED HEATING FURNACE	29-08-19
190	1210033	27-06-12	Manpreet Kaur	Madan Gopal Singh	asrpreet2007@rediffmail.com	9478144239	Pharmaceutical Sciences	Pharmacy	STANDARDIZATION, PHYTOCHEMICAL INVESTIGATION AND BIOLOGICAL EVALUATION OF COLLINSONIA CANADENSIS, NUPHAR LUTEUM & SYMPHYTUM OFFICINALE	29-08-19
191	1109035	05-08-11	Neha Shrivastava	Vishnu Kumar Shrivastava	nehashri163@gmail.com	9357737504	Business Administration	Management	EFFECT OF PROMOTIONAL STRATEGIES OF SELECT LIFE INSURANCE COMPANIES ON CONSUMER BEHAVIOUR	30-08-19
192	1409016	30-01-14	Meenakshi Mittal	Sukhdev Mittal	mittalmeenakshi13@gmail.com	9417674777	Business Administration	Management	OCCUPATIONAL STRESS IN E-AGE AMONG PUBLIC AND PRIVATE SECTOR BANK EMPLOYEES IN URBAN PUNJAB	30-08-19
193	1203014	12-06-12	Jatinder Singh Saini	Amarjit Singh	sainijatinder@gmail.com	9814830404	Engineering	Computer Science & Engineering	EFFICIENT CHANNEL ASSIGNMENT FOR OPTIMAL THROUGHPUT IN MULTI-RADIO MULTI-CHANNEL WIRELESS MESH NETWORKS	28-08-19
194	1303028	24-12-12	Deepak Prashar	Surinder Prashar	deepakprashar@gmail.com	9815688883	Engineering	Computer Science & Engineering	DESIGN OF SECURE DISTRIBUTED RANGE FREE LOCALIZATION ALGORITHM FOR WIRELESS SENSOR NETWORK	29-08-19

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195	1114024	02-08-11	Raman Preet	M.S Sahni	kohilramanpreet@yahoo.com	9876831912	Applied Sciences	Computer Applications	INVESTIGATIONS ON AUTHENTICATION AND DATA PROTECTION MECHANISMS IN THE PRESENCE OF ENERGY DRAINING MALICIOUS NODES IN MANETS	02-09-19
196	1210023	27-06-12	Monika	Satish Kumar Sharma	sharma_1282@rediffmail.com	9711475854	Pharmaceutical Sciences	Pharmacy	FORMULATION AND EVALUATION OF RESVERATROL LOADED SELF NANO EMULSIFYING DRUG DELIVERY SYSTEM USING EXPERIMENTAL DESIGN	06-09-19
197	1005010	10-02-11	Priyadarshni	Vijay Kumar	privabatra_80@yahoo.co.in	9888884064	Engineering	Electronics & Communication Engineering	IMPROVEMENT OF ARTIFICIAL NEURAL NETWORK BASED CHARACTER RECOGNITION SYSTEM BY TOPOLOGY OPTIMIZATION USING SCILAB	06-09-19
198	1206009	15-06-12	Sanjay Sharma	Om Parkash Sharma	sanjufnd15@gmail.com	9906134266	Engineering	Mechanical Engineering	NUMERICAL STUDY ON WORN HYDRODYNAMIC JOURNAL BEARING UNDER STATIC AND TRANSIENT LOADING	09-09-19
199	1305011	01-08-13	Manoj Kumar	Balwant Singh	manoj10276@gmail.com	9671035471	Engineering	Electronics & Communication Engineering	EFFECT OF CHANNEL MATERIAL ON ELECTRICAL CHARACTERISTICS OF NANO FETS	11-09-19
200	1009025	10-02-11	Nitin Thapar	Suresh Chander Thapar	nitinthapar82@rediffmail.com	9914911013	Business Administration	Management	EFFECTIVE UTILISATION OF INFORMATION TECHNOLOGY VULNERABILITY MANAGEMENT	11-09-19
201	1109019	02-09-11	Manjary Sharma	Praveen Kumar Sharma	manjary_sharma3181@yahoo.com	9779933258	Business Administration	Management	JOB HOPPING: IDENTIFYING KEY MOTIVATIONAL FACTORS TO CONTROL JOB SWITCHING AMONGST IT PROFESSIONALS IN INDIA	13-09-19
202	1303062	01-08-13	Harpreet Kaur	Inderjeet Singh	er.harpreetarora@gmail.com	9464082007	Engineering	Computer Science & Engineering	CONTENT BASED IMAGE INDEXING AND RETRIEVAL BASED ON IMPROVED FEATURE DESCRIPTOR	13-09-19
203	1106009	03-08-11	Gurpreet Singh	Mohan Singh	gurpreet.er@gmail.com	9915120080	Engineering	Mechanical Engineering	INVESTIGATION INTO FABRICATION OF POLYMER CONCRETE COMPOSITES DEVELOPED FROM INDUSTRIAL WASTE	17-09-19
204	1211005	12-06-12	Payal Sharma	Prem Nath	psharma.daviet@gmail.com	9465390017	Applied Sciences	Physics	EFFECTS OF MICROWAVE PROCESSING ON THE PROPERTIES OF ZIRCONIA AND CERIA BASED SYSTEMS AS ELECTROLYTES FOR SOLID OXIDE FUEL CELL	01-10-19
205	1309106	24-12-12	Kiran Thakur	Joginder Singh	kiran.verma.0840@gmail.com	7696033069	Business Administration	Management	SPIRITUALITY AT WORK AND WORK - LIFE BALANCE OF UNIVERSITY TEACHERS IN PUNJAB	22-07-19

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206	1014005	10-02-11	Deepa	Dharam Veer	deepa.nehra@gmail.com	9466019198	Applied Sciences	Computer Applications	A CLUSTER BASED DEFENSE AGAINST DISTRIBUTED DENIAL OF SERVICE (DDOS) ATTACKS IN MANETS	02-08-19
207	1209055	26-06-12	Manvinder Jeji	Sukhvinder Singh Jeji	jharharmeet@yahoo.com	9988451511	Business Administration	Management	WORK CULTURE IN DISTRICT CENTRAL CO-OPERATIVE BANKS OF PUNJAB	16-09-19
208	1109114	26-08-11	Manpreet Kaur	Satpal Singh	sahibjeet2001@gmail.com	9814177567	Business Administration	Management	STATUS OF USE OF MODERN TECHNOLOGY IN INDIAN BANKS: A STUDY OF SELECTED BANKS	25-09-19
209	1206006	01-06-12	Chatwant Singh Pandher	Jasbir Singh Pandher	chatwantpandher@gmail.com	9478230013	Engineering	Mechanical Engineering	DESIGN OF COMPOSITE LEAF SPRING - AN EXPERIMENTAL AND NUMERICAL APPROACH	30-09-19
210	1503013	13-01-15	Brahm Prakash	Raj Singh	brahmprakashd@gmail.com	9992228828	Engineering	Computer Science & Engineering	IMPROVING ENERGY EFFICIENCY IN WIRELESS SENSOR NETWORKS	01-10-19
211	1210016	01-06-12	Harmanpreet Singh	Amarjit Singh	harman_shalley@yahoo.com	9815310569	Pharmaceutical Sciences	Pharmacy	FORMULATION AND EVALUATION OF SUBLINGUAL FILMS OF FROVATRIPTAN FOR THE EFFECTIVE MANAGEMENT OF MIGRAINE	03-10-19
212	1209123	23-08-12	Ritu Dhanoa	Vinod Bhandari	dhanoritu@gmail.com	9872431166	Business Administration	Management	PURCHASE BEHAVIOUR OF MILLENNIAL GENERATION TOWARDS PERSONAL CARE PRODUCTS	03-10-19
213	1411005	30-01-14	Sandeep Kumar	Ashok Kumar	skumar198712@gmail.com	9467274471	Applied Sciences	Physics	STRUCTURAL, ELECTRONIC AND TRANSPORT PROPERTIES OF GRAPHENE NANORIBBONS USING DENSITY FUNCTIONAL THEORY	07-10-19
214	1110011	02-08-11	Gurvinder Singh	Rajinder Kumar	guri_ph@yahoo.co.in	9646030094	Pharmaceutical Sciences	Pharmacy	SYNTHESIS AND ANTIMICROBIAL EVALUATION OF NOVEL ACETAMIDE LINKED AZETIDINONE-BENZIMIDAZOLE HYBRID MOLECULE DERIVATIVES	14-10-19
215	1206019	15-06-12	Bhaskar Goel	J.P. Goel	goelbgoel@yahoo.co.in	9416264981	Engineering	Mechanical Engineering	PRECISION MACHINING AND SURFACE CHARACTERIZATION OF OPTICAL MATERIALS WITH SINGLE POINT DIAMOND TURNING	17-10-19
216	1309137	24-12-12	Manpreet Kaur	Darshan Singh	manpreet8700kaur@gmail.com	9417580813	Business Administration	Management	COMPARATIVE ANALYSIS OF WEB BASED DISCLOSURE PRACTICES OF TOP INDIAN AND FOREIGN BANKS	18-10-19
217	1212003	06-05-12	Renu Sharma	Madan Lal Sharma	renu.sharma6286@gmail.com	9855083400	Applied Sciences	Chemistry	STUDIES ON VALUE ADDITION TO RICE BRAN BY EXTRUSION TECHNOLOGY	19-10-19
218	1209019	21-06-12	Tahir Iqbal Sufi	Gulam Mohammad	tahir.sufi@gmail.com	7837336255	Business Administration	Management	A STUDY OF IMPACT OF HOTEL CLASSIFICATION ON THE CUSTOMER SATISFACTION AND	22-03-19

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219	1314036	01-08-13	Shishpal Jindal	Piara Lal	shishpaldev@gmail.com	9463403925	Applied Sciences	Computer Applications	PERCEPTIONS OF HOTEL MANAGERS REGARDING CLASSIFICATION	11-06-19
220	1003010	10-02-11	Raninder Kaur	Darshan Singh Gill	raninderhillon@gmail.com	9815433335	Engineering	Computer Science & Engineering	ON THE DEVELOPMENT OF STATISTICAL APPROACH BASED ENGLISH TO PUNJABI MACHINE TRANSLATION SYSTEM USING MOSES TOOLKIT	21-06-19
221	1423003	20-08-14	Harveen Bhandari	Darshinder Singh	harveen_bhandari@yahoo.com	9876418194	Architecture	Planning And Architecture	BUILDING CODE COMPLIANCE FOR STRUCTURAL SAFETY	03-10-19
222	1405033	20-08-14	Hittendra Pratap Singh	Subhash C Singh	hps.miet@gmail.com	7895528188	Engineering	Electronics & Communication Engineering	CULTURAL SIGNIFICANCE ASSESSMENT BASED GUIDELINES FOR THE LIVING RELIGIOUS HERITAGE : SHAKTIPITHA NAINA DEVI AT HIMACHAL PRADESH, INDIA	22-10-19
223	1109049	05-08-11	Aarti Kumari	Jaideep Singh	aarti2k6@gmail.com	9888416823	Business Administration	Management	IMPROVED CROSSTALK AVOIDANCE MODELING AND PERFORMANCE ANALYSIS IN HIGH SPEED ON-CHIP VLSI INTERCONNECTS	24-10-19
224	1203023	12-06-12	Sarabjeet Singh	Gurdev Singh	sarabjeet_singh13@yahoo.com	9463739413	Engineering	Computer Science & Engineering	THE EFFECT OF CORPORATE GOVERNANCE ON CAPITAL STRUCTURE DECISIONS OF INDIA LISTED COMPANIES	30-10-19
225	1109051	07-08-11	Shaveta Kapoor	O. P. Kapoor	k_shweta81@yahoo.co.in	9915633055	Business Administration	Management	INVESTIGATIONS ON HIGH PERFORMANCE COMPUTING USING GPGPU FOR FASTER EVOLUTIONARY DESIGNS	31-10-19
226	1209108	26-06-12	Harleen Kaur	S. Amrik Singh	harleenmahajan@yahoo.com	7046566671	Business Administration	Management	VIRAL MARKETING AS A PROMOTION TECHNIQUE: A CASE STUDY OF SELECTED ENTERPRISES IN PUNJAB	31-10-19
227	1114015	08-02-11	Anu Khurana	Bachiter Singh	annu_khurana@yahoo.com	9888778064	Applied Sciences	Computer Applications	ECRM PRACTICES ADOPTED BY SELECTED PUBLIC AND PRIVATE BANKS IN PUNJAB	01-11-19
228	1303007	24-12-12	Gaurav Raj	Lt. Mr. Avdhesh Kumar Raj	er.gaurav.raj@gmail.com	8587010020	Engineering	Computer Science & Engineering	PRIVACY-PRESERVING RANKED MULTI-KEYWORD SEARCH SCHEMES OVER ENCRYPTED CLOUD DATA	01-11-19
229	1311002	24-12-12	Karamveer Kaur	Beant Singh	karamveergill99@gmail.com	9592375422	Applied Sciences	Physics	DEVELOPMENT OF A CLOUD BASED MODEL FOR IMPROVING THE QUALITY OF WEB SERVICE LIFE CYCLE	06-11-19
									STUDIES OF Zr MODIFIED BARIUM TITANATE DIELECTRIC CERAMICS	

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Sr. No	Reg. No	Date of Regd	Name of Candidate	F. Name	Email ID	Mobile/Phone No.	Branch	Specialization	Total of Thesis	Date of Viva-Voce
230	1111015	08.03.11	Sonia Mago	Kamal Wallia	magojagmohan@yahoo.com	9855201988	Applied Sciences	Physics	FABRICATION AND CHARACTERIZATION OF MICROWAVE PROCESSED ANODE MATERIALS FOR SOLID OXIDE FUELCELL	06-11-19
231	1403019	30-01-14	Vishal Kumar Arora	Kewal Krishan Arora	vishal.fzr@gmail.com	1632225858	Engineering	Computer Science & Engineering	ON NETWORK LIFE SPAN BASED ASSESSMENT FOR IMPROVED WIRELESS NETWORKS	08-11-19
232	1413013	20-08-14	Deepak Kumar	Subhash Chander	deepakanand@live.in	9780106300	Applied Sciences	Mathematics	SOME FIXED POINT PROBLEMS AND ITS APPLICATIONS IN ABSTRACT SPACES	13-11-19
233	1205031	22-05-12	Sukhvinder Kaur	Bachan Singh	er1971sukhvinderkaur@rediffmail.com	9872074956	Engineering	Electronics & Communication Engineering	OPTIMIZATION OF SPEAKER DIARIZATION BY REDUCING DIARIZATION ERROR RATE	14-11-19
234	1403009	30-01-14	Jagreet Kaur	Ajmer Singh	grewal_rittu@yahoo.com	9815744744	Engineering	Computer Science & Engineering	ARTIFICIAL INTELLIGENCE BASED ANALYTICAL PLATFORM FOR PREDICTIVE ANALYSIS IN HEALTH CARE	14-11-19
235	1204003	13-06-12	Harinder Pal Singh	Jatinder Singh	harinderpal011@yahoo.com	8054980313	Engineering	Electrical Engineering	MULTIOBJECTIVE LOAD DISPATCH BASED ON A FAIR CALCULATION APPROACH	18-11-19
236	1210041	27-06-12	Ajay Singh Kushwah	Mahadeva Singh Kushwah	kushwah_ph05@yahoo.co.in	9888377383	Pharmaceutical Sciences	Pharmacy	CARDIOPROTECTIVE ROLE OF AMP-ACTIVATED PROTEIN KINASE (AMPK) ACTIVATORS IN DIABETIC AND ATHEROSCLEROTIC RATS	18-11-19
237	1111012	04-08-11	Rajeev Kumar	Shankar Dass	rajivandphysics@rediffmail.com	9896293821	Applied Sciences	Physics	MICROWAVE DIELECTRIC STUDY OF SOILS OF DIFFERENT DISTRICTS OF HARYANA	18-11-19
238	1113012	05-08-11	Neeru Bala	Kewal Krishan	neeru.daviet@gmail.com	9779900765	Applied Sciences	Mathematics	DYNAMICAL STUDY OF WAVES IN COMPOSITE POROELASTIC STRUCTURE SATURATED BY MULTIPLE FLUIDS	18-11-19
239	1509050	24-08-15	Gursimranjit Singh	Raghbir Singh Chahal	gursimranjit37@gmail.com	9815508552	Business Administration	Management	IMPACT OF SOCIAL MEDIA ON CONSUMER BRAND METRICS: AN ANALYSIS OF THE MEDIATING EFFECTS IN CONTEXT TO SMART PHONES	18-11-19
240	1409024	30-01-14	Sakshi Sharma	Manhar Sahil	shanumunish@gmail.com	1832450394	Business Administration	Management	CONSUMER BUYING BEHAVIOUR TOWARDS FMCGs WITH SPECIAL REFERENCE TO PERSONAL CARE PRODUCTS (A COMPARATIVE STUDY OF RURAL AND URBAN PUNJAB)	18-11-19
241	1209053	13-07-12	Puneet Kaur	Sarabjit Singh	puneethanspal21@gmail.com	9988192122	Business Administration	Management	CORPORATE GOVERNANCE & CORPORATE SOCIAL RESPONSIBILITY IN SELECTED INDIAN BANKS	18-11-19

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242	1206011	15-06-12	Sachpreet Singh Aulakh	Malkiat Singh Aulakh	sach_aulakh@yahoo.co.in	9501875250	Engineering	Mechanical Engineering	ROLE OF SURFACE PREPARATION OF MAGNESIUM BASED ALLOYS ON HVOF SPRAYED COATINGS AND THEIR TRIBOLOGICAL STUDIES	21-11-19
243	1109060	08-08-11	Ravi Sidhu	Rachhpal Singh Sidhu	ravneet_aman_r@yahoo.com	9915870022	Business Administration	Management	INTERNET BANKING - A STUDY OF CUSTOMER AWARENESS, PERCEPTION AND SATISFACTION IN INDIAN BANKING SYSTEM WITH SPECIAL REFERENCE TO SELECTED CITIES OF PUNJAB	25-11-19
244	1409042	30-01-14	Hardeep Kaur	Harjeet Singh	hardeepkaur_20@yahoo.co.in	1722625302	Business Administration	Management	CRITICAL EVALUATION OF CORPORATE SOCIAL RESPONSIBILITY PRACTICES OF SELECT ORGANISATIONS IN INDIA AND THE WAY AHEAD	29-11-19
245	1313013	01-08-13	Vandana Bansal	Ved Parkash Bansal	bansalvandana@yahoo.com	9530649789	Applied Sciences	Mathematics	A STUDY ON SOME ASPECTS OF INTUITIONISTIC FUZZY GRAPH STRUCTURES	02-12-19

(Signature)

(Signature)

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1	1309140	24-12-12	Mandeep Kaur	Upinder Singh	kaur_mandeep13@ymail.com	9988771740	Business Administration	Management	EXAMINING THE HEDGING EFFECTIVENESS OF EQUITY FUTURES CONTRACTS: EVIDENCE FROM NATIONAL STOCK EXCHANGE OF INDIA	3.12.19
2	1009032	10-02-11	Puja Gaba	Sewa Ram Gaba	pujaaroray2k@yahoo.co.in	9814877749	Business Administration	Management	WOMEN ON BOARD AND FIRM PERFORMANCE IN INDIAN CORPORATE SECTOR	4.12.19
3	1609005	19-01-16	Kirandeep Kaur Bajwa	Sucha Singh Bajwa	bajwa_kiran@yahoo.com	9501375553	Business Administration	Management	GREEN HRM: A SUBSTANTIVE APPROACH BY SELECT BANKS	4.12.19
4	1006019	10-02-11	Vikas Rattan	Harbans Lal Rattan	akshatrattan@gmail.com	9417076600	Engineering	Mechanical Engineering	SOME INVESTIGATIONS ON PLASMA SPRAYED PURE AND REINFORCED HYDROXYAPATITE COATINGS	10.12.19
5	1109070	05-08-11	Pardeep Kumar	Tilak Raj	pardeepkumaraim@gmail.com	9988006454	Business Administration	Management	PERFORMANCE EVALUATION OF MUTUAL FUNDS AND UNIT LINKED INSURANCE PLANS IN INDIA: AN EMPIRICAL STUDY OF EQUITY-BASED FUNDS	11.12.19
6	1003007	10-02-11	Parveen Kakkar	Hans Raj Kakkar	parveenkakkar@rediffmail.com	7973224839	Engineering	Computer Science & Engineering	DETECTION & MITIGATION OF DDOS ATTACKS IN MOBILE AD HOC NETWORKS	13.12.19
7	1109111	26-08-11	Gursimran Kaur	Parminder Singh	gursimrannkaur@gmail.com	9876694642	Business Administration	Management	SPILOVER EFFECTS OF FOREIGN DIRECT INVESTMENT IN PHARMACEUTICAL SECTOR IN INDIA	13.12.19
8	1209124	09-08-12	Sachin Dev	Chaman Lal	sachindev.bfcmt@gmail.com	9465305760	Business Administration	Management	A STUDY OF BUYING BEHAVIOUR OF URBAN CUSTOMERS TOWARDS TERM INSURANCE IN PUNJAB STATE	13.12.19
9	1309124	24-12-12	Pallavi Manik	Neeraj Kumar	manik.pallavi@yahoo.com	9872821915	Business Administration	Management	GROWTH, INSTABILITY AND DETERMINANTS OF FOREIGN DIRECT INVESTMENT IN INDIA	13.12.19
10	1406024	30-01-14	Kamal Khanna	Tilak Raj Khanna	kksbs1@gmail.com	9501025533	Engineering	Mechanical Engineering	FACILITY PLANNING WITH RECONFIGURABILITY CONSIDERATIONS	13.12.19
11	1012005	10-02-11	Shalinder Kaur	Maninder Singh	sk_virdi12@rediffmail.com	9855083017	Applied Sciences	Chemistry	ENHANCEMENT OF CORROSION RESISTANCE OF BIOMATERIALS BY SURFACE MODIFICATION TECHNIQUES	14.12.19
12	1109085	05-08-11	Surjit Kaur	Parmjit Singh	price_sodhi@rediffmail.com	9915178151	Business Administration	Management	ORGANISATIONAL COMMITMENT OF BANK EMPLOYEES: A COMPARATIVE STUDY OF PUBLIC AND PRIVATE SECTOR	14.12.19
13	1109118	26-08-11	Cheenu Goel	Gora Lal Garg	cheenu.pcte@gmail.com	9357702324	Business Administration	Management	RELATIONSHIP BETWEEN CORPORATE GOVERNANCE AND FINANCIAL PERFORMANCE: A STUDY OF INDIAN BANKING INDUSTRY	14.12.19

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14	1002003	25-01-11	Kanwar Jeet Singh Bedi	Devinder Singh Bedi	kanwarjeet_b@yahoo.com	9592078781	Engineering	Civil Engineering	SHEAR STRENGTH CHARACTERISTICS OF SELF COMPACTING CONCRETE BEAMS	16.12.19
15	1309125	24-12-12	Anubhuti Modgil	Vijay Kumar Modgil	anubhutimodgil@yahoo.com	9988231100	Business Administration	Management	GROWTH, PERFORMANCE AND POTENTIAL OF TEXTILE INDUSTRY - A STUDY OF SELECTED COMPANIES IN INDIA	20.12.19
16	1509006	24-12-14	Latika Malhotra	Dilip Kumar Malhotra	latikmalhotra1986@gmail.com	9871017705	Business Administration	Management	IMPACT OF GENDER EQUALITY ON ORGANIZATIONAL COMMITMENT IN ITES COMPANIES OF DELHI - NCR	20.12.19
17	1210004	27-06-12	Sandeep Sharma	R. D. Sharma	sandeep.pharma157@gmail.com	9463507667	Pharmaceutical Sciences	Pharmacy	DRAFTING OF COMPREHENSIVE HARMONIZED REGULATORY GUIDELINES FOR RADIOPHARMACEUTICALS	21.12.19
18	14.37.09	06-05-09	Harpreet Kaur	Kartar Singh	harpreet_daviet@yahoo.in	9815577366	Engineering	Computer Science & Engineering	INVESTIGATIONS ON MOBILITY MANAGEMENT OF WIRELESS NETWORKS	23.12.19
19	1115007	02-08-11	Gazal Sharma	Shashi Pal Sharma	ptubos@gmail.com	9478098063	Life Sciences	Biotechnology	EVALUATION OF PHYSIOCHEMICAL PROPERTIES AND STABILITY OF L-ASPARAGINASE LOADED SOLID LIPID NANOPARTICLES	23.12.19
20	1109050	08-02-11	Tarunjit Singh	P J S Palia	tarunjit@yahoo.co.in	9988600663	Business Administration	Management	ADOPTION AND DIFFUSION OF MODERN RETAILING IN INDIA	24.12.19
21	1115001	02-08-11	Chetna Sharma	Avinash Chander Sharma	biotechlect@yahoo.co.in	8872042505	Life Sciences	Biotechnology	STUDIES ON ION EXCHANGE AND ADSORPTION BEHAVIOUR OF POTENTIALLY VIABLE RESINS FOR REMOVAL OF INORGANIC CONTAMINANTS FROM GROUND / WASTE WATER	26.12.19
22	1205032	22-05-12	Jasbir Singh	Gursharan Singh	jasbirsingheng@yahoo.com	9501011864	Engineering	Electronics & Communication Engineering	SYNTHESIS AND INVESTIGATION OF TUNABLE FERRITE RF ABSORBER AT X-BAND	27.12.19
23	1310033	01-08-13	Atul Kabra	Kedar Mal Kabra	atul.kbr@gmail.com	9817562157	Pharmaceutical Sciences	Pharmacy	PHYTOCHEMICAL AND PHARMACOLOGICAL SCREENING OF MYRICA ESCULENTA LEAVES	27.12.19
24	1203046	13-07-12	Amanpreet Kaur	Gurkirpal Singh	cecm.cse.akb@gmail.com	9781926207	Engineering	Computer Science & Engineering	FORMULATION OF FRAMEWORK OF RESOURCE PROVISIONING & LOAD BALANCING ON CLOUD	30.12.19
25	1310056	30-01-14	Gagan Shah	Inder Shah Singh	gaganshah83@gmail.com	9814616627	Pharmaceutical Sciences	Pharmacy	ISOLATION, STANDARDIZATION AND BIOLOGICAL EVALUATION OF MELALEUCA ALTERNIFOLIA LEAVE EXTRACTS	6.1.20

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26	1203016	12-06-12	Varun Malik	Shispaal Malik	varunmalik.mirce@gmail.com	9958024300	Engineering	Computer Science & Engineering	DESIGN A NOVEL WEB USAGE MINING TOOL	7.1.20
27	1214038	30-08-12	Ramandeep Kaur	Kuldeep Singh	ks.ramandeep@gmail.com	9501044464	Applied Sciences	Computer Applications	DESIGNING METRIC BASED FRAMEWORK FOR USABILITY EVALUATION OF e-LEARNING PORTALS	7.1.20
28	1205023	22-05-12	Pushkar Mishra	Om Prakash Mishra	pushkarmishra1985@gmail.com	8146370216	Engineering	Electronics & Communication Engineering	DESIGN AND DEVELOPMENT OF META-FRACTAL ANTENNAS FOR REMOTE GUIDANCE	9.1.20
29	1205040	22-05-12	Danvir Mandal	H.G. Mandal	danvir.mandal@gmail.com	9888081214	Engineering	Electronics & Communication Engineering	DESIGN AND DEVELOPMENT OF MULTIBAND ANTENNAS AND THEIR SAR EVALUATION FOR WEARABLE SENSOR	9.1.20
30	1210026	27-06-12	Ajmer Singh	Dharm Veer	ajmergrewal2007@gmail.com	9416700430	Pharmaceutical Sciences	Pharmacy	DESIGN, SYNTHESIS AND BIOLOGICAL EVALUATION OF NEWER GLUCOKINASE ACTIVATORS	10.1.20

ACTION TAKEN REPORT ON

PROCEEDINGS OF 52ND MEETING OF ACADEMIC COUNCIL HELD ON 16.01.2020 AT 11:00 AM AT IKG-PTU MAIN CAMPUS

A. STATUTORY AGENDA

Item No.	Agenda Item	Decision	Action
52.01	To confirm the proceedings of 51 st Academic Council meeting held on 16 th October, 2018.	The 51 st Academic Council meeting was held on 16 th October, 2018 and the proceedings were circulated to all members for information and comments. No comments have been received. The Council confirmed the proceedings of 51 st Academic Council meeting.	No actions called for.
52.02	Action Taken Report (ATR) of the 51 st Academic Council Meeting held on 16 th October, 2018.	Dean (Academics) briefed about the Action Taken Report (ATR) on the decisions taken in the 51 st meeting. After going through the details, council approved the Action Taken Report (ATR).	No actions called for.

B. STATUTORY AGENDA

52.03	Award of Ph.D.	It was informed that on the recommendations of the RDC, 245 candidates have completed the requirement for the award of Ph.D. degree. The council recommended the names of 245 candidates (as per Annexure- I) to award Ph.D Degree to Board of Governors (BOG) for approval.	No actions called for.
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C. AGENDA FOR RATIFICATION

52.04	To ratify the decisions taken by the Chairman, Academic Council in anticipation of the approval of the Academic Council.		
52.04.1	To approve minutes of various Board of Studies for revision of syllabus / scheme of Programmes	It was informed that Keeping in view the demand of the Industry and latest trends in technical education, various Board of Studies of the University have revised the course curriculum /scheme of different programmes. The revised scheme and syllabus is available on University website https://www.ptu.ac.in/Syllabus/..aspx The recommendations of various Board of Studies of the University regarding revision of course curriculum /scheme of different programmes were discussed in detail and ratified.	Implemented

52.04.2	Academic Calendar for session 2018-19 (Even semester) & session 2019-20 (Odd and Even semesters)	<p>The Academic Calendar for session 2018-19 (Even Semester) & session 2019-20 (Odd & Even Semesters) was prepared by University after incorporating observation of the affiliated colleges and have been uploaded on the University website.</p> <p>Academic Calendar for session 2018-19 (Even Semester) & session 2019-20 (Odd & Even Semesters) were ratified by the Council.</p>	Implemented
52.04.4	Change of MBA (Major – Minor) to MBA Dual Degree (Major –Major) programme and addition of Specializations for MBA Programme	<p>Board of Studies (Management) has recommended the following :</p> <p>(i) To revise MBA (Major-Minor) to MBA -Dual specialization (Major-major) Degree</p> <p>(ii) To include two new specializations of MBA viz. (i) Operation Management (ii) Business Analytics as major specialization area for MBA Programme</p> <p>The Council discussed and ratified the recommendations of the Board of Studies.</p>	Implemented
52.04.5	Establishment of new colleges	<p>It was informed that University has issued an advertisement for starting of new colleges as per AICTE/ University norms. After going through approval process, 06 AICTE and 02 Non-AICTE new colleges were granted provisional affiliation during session 2019-20.</p> <p>The item was noted and ratified as proposed.</p>	Implemented
52.04.6	Starting of new Programmes and Variation in sanctioned intake in existing colleges	<p>University has issued an advertisement for starting of new Programmes and variation in sanctioned intake as per AICTE/ University norms. After going through approval process 56 colleges were granted provisional affiliation for starting of new programmes/ variation in sanctioned intake in existing colleges.</p> <p>The item was noted and ratified as proposed.</p>	Implemented
52.04.7	Opening of new Regional Centres of IKGPTU from session 2019-20.	<p>Board of Governors of IKGPTU in its 69th meeting has approved opening of Regional Centres in the affiliated Institutes having good infrastructure and faculty, in order to ensure that Regional Centes shall not dilute the quality of education.</p> <p>The University had issued regulations and guidelines for the establishment of New University Regional Centers from session 2019-20 and two Regional Centres were approved by the University.</p> <p>The item was discussed and ratified as proposed.</p>	Implemented

52.04.8	Induction of New Programmes from session 2019-20.	<p>On the recommendations of Board of Studies, the following new courses have been proposed to be added in the list of approved courses of IKGPTU.</p> <table><tr><th>Sr. No.</th><th>Name of the Course</th><th>Duration</th><th>Eligibility</th><th>Other conditions</th></tr><tr><td>1.</td><td>B.Sc. (Operation Theatre Technology)</td><td>03 Years/ 06 sem</td><td>10+2 Pass with 50% marks (Physics, Chemistry and Biology)</td><td>Beds in ICUs with ventilators & cardiac monitoring - minimum ten beds</td></tr><tr><td>2.</td><td>B.Sc. (Radiotherapy Technology)</td><td>03 Years/ 06 sem</td><td>10+2 Pass with 50% marks (Physics, Chemistry and Biology)</td><td>Approval from AERB is required. Institute should have atleast 100 bed Hospital.</td></tr><tr><td>3.</td><td>Master of Design (M. Des.-Fashion and Textiles)</td><td>02 Years / 04 sem</td><td>Passed any UG degree of Fashion Design / Textile Design / Knitwear Design / Clothing & Textiles / Apparel & Furnishing / Home Science or any other allied fields</td><td></td></tr><tr><td>4.</td><td>B. Voc (Hospitality & Catering Management)</td><td>03 Years/ 06 sem</td><td>10+2 in any stream</td><td></td></tr><tr><td>5.</td><td>B. Voc (Hospitality & Culinary Management)</td><td>03 Years/ 06 sem</td><td>10+2 in any stream</td><td></td></tr></table> <p>The Council noted and ratified the induction of above programmes in the approved list of IKGPTU.</p>	Sr. No.	Name of the Course	Duration	Eligibility	Other conditions	1.	B.Sc. (Operation Theatre Technology)	03 Years/ 06 sem	10+2 Pass with 50% marks (Physics, Chemistry and Biology)	Beds in ICUs with ventilators & cardiac monitoring - minimum ten beds	2.	B.Sc. (Radiotherapy Technology)	03 Years/ 06 sem	10+2 Pass with 50% marks (Physics, Chemistry and Biology)	Approval from AERB is required. Institute should have atleast 100 bed Hospital.	3.	Master of Design (M. Des.-Fashion and Textiles)	02 Years / 04 sem	Passed any UG degree of Fashion Design / Textile Design / Knitwear Design / Clothing & Textiles / Apparel & Furnishing / Home Science or any other allied fields		4.	B. Voc (Hospitality & Catering Management)	03 Years/ 06 sem	10+2 in any stream		5.	B. Voc (Hospitality & Culinary Management)	03 Years/ 06 sem	10+2 in any stream		Implemented
Sr. No.	Name of the Course	Duration	Eligibility	Other conditions																													
1.	B.Sc. (Operation Theatre Technology)	03 Years/ 06 sem	10+2 Pass with 50% marks (Physics, Chemistry and Biology)	Beds in ICUs with ventilators & cardiac monitoring - minimum ten beds																													
2.	B.Sc. (Radiotherapy Technology)	03 Years/ 06 sem	10+2 Pass with 50% marks (Physics, Chemistry and Biology)	Approval from AERB is required. Institute should have atleast 100 bed Hospital.																													
3.	Master of Design (M. Des.-Fashion and Textiles)	02 Years / 04 sem	Passed any UG degree of Fashion Design / Textile Design / Knitwear Design / Clothing & Textiles / Apparel & Furnishing / Home Science or any other allied fields																														
4.	B. Voc (Hospitality & Catering Management)	03 Years/ 06 sem	10+2 in any stream																														
5.	B. Voc (Hospitality & Culinary Management)	03 Years/ 06 sem	10+2 in any stream																														
52.04.9	Introduction of MOOCs courses.	<p>A committee was constituted by the 51st Academic Council vide item No. 51.14, to propose guidelines for MOOCs courses. The general guidelines proposed by the committee regarding MOOCs courses was approved and the policy was notified vide notification No. IKGPTU-REG-NF-2096 dt 24-05-2019.</p> <p>The item was discussed and guidelines for MOOCs courses were ratified.</p>	Implemented																														

52.04.10	Formation of New Board of Studies.	As per recommendations of IQAC of IKGPTU, the new Board of Studies have been constituted for affiliated college and University Campuses separately and the same were notified by the University. The council noted and ratified constitution of new Board of Studies.	Implemented
52.04.11	Guidelines regarding Four weeks "Institutional Summer Vacation Training"	Dean (Academics) briefed that to inculcate the basic skills in the B. Tech. / B.Arch. students, the University has issued Guidelines on the recommendations of Chairmen, BOS regarding Four weeks "Institutional Summer Vacation Training" during the summer vacations after 2 nd semester of B.Tech. / B. Arch. programmes. The Council discussed and ratified as proposed.	Implemented
52.04.12	Distribution of marks for evaluation of M. Tech. and M.Sc. Dissertation	University has framed a uniform policy for distribution of marks for evaluation of M. Tech. and M.Sc. Dissertation in all disciplines. The policy was recommended by the concerned BOS Chairmen. The item was discussed and the Council ratified the policy as proposed.	Implemented
52.04.13	Guidelines for Major and Minor degree in B. Tech. (Engineering)	A committee was constituted by the 51st Academic Council vide item No.5-51.04.01, to frame the detailed guidelines for Major and Minor Degree. The committee proposed the guidelines for starting of Major and Minor Degree in B. Tech. (Engineering) programmes. The item was discussed and the council ratified the guidelines proposed by the committee.	Implemented
52.04.14	Policy for Change of Branch / upgration in 3rd semester of B. Tech. Programmes	It was informed that University has adopted AICTE Model curriculum from session 2018-19. There is variation in curriculum of courses like Mathematics /Physics offered to different branches of B. Tech. Programme. The students who opt for change / upgradation of branch in 3 rd semester of B. Tech. w.e.f. admission session 2018-2019 onwards within college / institutes affiliated to IKGPTU, shall have also to study the bridge courses / additional subjects as recommended by the concerned Board of Studies. The item was discussed and the council ratified the regulations for Change of Branch / upgration in 3 rd semester of B. Tech. Programmes.	Implemented
52.04.15	Conduct of Ph.D. course work at NAAC/NBA affiliated Colleges of IKGPTU.	The students shall have to earn 15 credits in the Pre Ph.D Course work. To facilitate the Ph.D students and better upkeep of research standards, University has decided that candidate can opt course work in any NAAC/ NBA accredited or having NIRF ranking among first 100 institutes affiliated to IKGPTU on regular basis in addition to University Main Campus. The item was noted and ratified as proposed.	Implemented

52.04.16	Academic Progression for Syllabus for Bachelor of Pharmacy Course- Clause 16- Academic Progression	<p>The university has adopted the rules and regulations prescribed by Pharmacy council of India and implemented w.e.f. Academic session 2017-2018 onwards, according to which a student shall not be eligible to attend the courses of V semester until all the courses of I and II semesters are successfully completed.</p> <p>In the meantime, Pharmacy Council of India (PCI) has issued a letter vide No. 14-382/2019-PCI dated 09 September, 2019 according to which <i>for the time being the examining authority may be permitted to implement the provisions of academic progression clause 16 of the PCI – Syllabus for the Bachelor of Pharmacy (B. Pharm) course in line with the existing policy of the University.</i> University has implemented the above directions of the PCI.</p> <p>The item was noted and ratified implementation of the above decision.</p>	Implemented									
52.04.17	To approve syllabus of Punjab History and Culture (BASAG-207B) option paper in lieu of Punjabi.	<p>Dean Academic briefed that the Academic Council in its 51st meeting vide item No. 51.12 had approved to give option to the students (old and new) of B.Sc. (Agriculture)/ B.Sc. – Honours (Agriculture) to choose either Punjabi Language or Punjab History and Culture prospectively.</p> <p>The syllabus of “Punjab History and Culture” has been recommended by the concerned BOS.</p> <p>The item was discussed and the syllabus of “Punjab History and Culture” was ratified.</p>	Implemented									
52.04.18	Regarding B. Pharmacy (LEET) students	<p>It was informed that as per PCI regulations, B. Pharmacy students have to study the following Non-University-Examination as additional subjects as per schedule</p> <table><tr><th>Subject</th><th>2018 batch</th><th>2019 onward batches</th></tr><tr><td>Communication Skill</td><td>Upto 5th semester</td><td>3rd/4th Semester</td></tr><tr><td>Computer Application in Pharmacy</td><td>Upto 5th semester</td><td>4th Semester</td></tr></table> <p>The item was noted and ratified as proposed.</p>	Subject	2018 batch	2019 onward batches	Communication Skill	Upto 5 th semester	3 rd /4 th Semester	Computer Application in Pharmacy	Upto 5 th semester	4 th Semester	Implemented
Subject	2018 batch	2019 onward batches										
Communication Skill	Upto 5 th semester	3 rd /4 th Semester										
Computer Application in Pharmacy	Upto 5 th semester	4 th Semester										
52.04.19	Extension to 8th year to complete Ph.D. program	<p>Some Ph.D. students admitted under PhD Regulations 2010 have submitted their requests in the university with the recommendations of their respective PhD Supervisors for 8th year extension to complete their PhD Programme.</p> <p>On the recommendations of Dean (RIC), Vice-Chancellor-cum-Chairman Academic Council has approved requests of deserving 42 students, on case to case basis.</p>	Implemented									

		<p>The matter was discussed in detail and the Council has approved the item with the following riders for further extension after 7th years :</p> <ol style="list-style-type: none"> 1. A fine of Rs. 25000/- (Rupees Twenty Five Thousand only) may be levied. 2. It must be mentioned on the extension letter that no further extension will be allowed. 																
52.04.20	Change of nomenclature of courses in view of WP(C) 60 of 2016 and CWP No.29701 of 2019	<p>In view of the Writ Petition Filed by the Students of ITFT College vide No. WP(C) 60 of 2016 entitled Sikkim Welfare Association of Chandigarh Vs. Punjab Technical University and Writ petition filed by IKGPTU against UGC vide CWP No.29701 of 2019, the concerned BOS has recommended the change of nomenclature of the courses as mention below :</p> <table> <tr> <th>Sr. No .</th> <th>Existing Nomenclature of programmes</th> <th>Proposed Name of the programmes as per UGC nomenclature</th> <th>Duration</th> <th>Batche s</th> </tr> <tr> <td>1.</td> <td>Bachelor in Airlines Tourism and Hospitality Management) (B.Sc. ATHM)</td> <td>Bachelor of Hotel Management, Travel & Tourism (Airlines, Tourism and Hospitality Management)</td> <td>3 years (after 10+2)</td> <td>2011-15</td> </tr> <tr> <td>2.</td> <td>Bachelor in Health, Spa and Resort Management) (BHSRM)</td> <td>Bachelor of Hotel Management, Travel & Tourism (Health Spa and Resort Management)</td> <td>3 years (after 10+2)</td> <td>2011-15</td> </tr> </table> <p>The Council discussed and ratified the above nomenclature recommended by the concerned BOS.</p>	Sr. No .	Existing Nomenclature of programmes	Proposed Name of the programmes as per UGC nomenclature	Duration	Batche s	1.	Bachelor in Airlines Tourism and Hospitality Management) (B.Sc. ATHM)	Bachelor of Hotel Management, Travel & Tourism (Airlines, Tourism and Hospitality Management)	3 years (after 10+2)	2011-15	2.	Bachelor in Health, Spa and Resort Management) (BHSRM)	Bachelor of Hotel Management, Travel & Tourism (Health Spa and Resort Management)	3 years (after 10+2)	2011-15	Implemented
Sr. No .	Existing Nomenclature of programmes	Proposed Name of the programmes as per UGC nomenclature	Duration	Batche s														
1.	Bachelor in Airlines Tourism and Hospitality Management) (B.Sc. ATHM)	Bachelor of Hotel Management, Travel & Tourism (Airlines, Tourism and Hospitality Management)	3 years (after 10+2)	2011-15														
2.	Bachelor in Health, Spa and Resort Management) (BHSRM)	Bachelor of Hotel Management, Travel & Tourism (Health Spa and Resort Management)	3 years (after 10+2)	2011-15														

D. AGENDA FOR DISCUSSION & REVIEW

52.05	Implementation of multiplier factor 10 instead of 9.5 for conversion from CGPA to Percentage for all the students of IKGPTU.	<p>Requests have been received from affiliated colleges to adopt Multiplier factor 10 instead of 9.5 for conversion from CGPA to Percentage for all the students of IKGPTU.</p> <p>The matter was discussed in detail and the council decided that multiplier factor 10 may be used instead of 9.5 for conversion from SGPA/CGPA to Percentage for all the students of IKGPTU, with immediate effect.</p>	Implemented
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52.06	Guidelines for Granting of Writer/ Extra time to the differently abled candidates.	Guidelines proposed by the Examination Branch for Granting of Writer/ Extra time to the differently abled candidates in the examination of such candidates were discussed in detail and were approved by the Council.	Implemented																				
52.07	Maintenance of Record by Colleges	The matter was discussed in detail and the following has been approved by the Council : 1. colleges shall maintain all the record of students viz attendance, internal assessment, practicals examinations etc. atleast upto the passing of student of concerned Programme. 2. In case of closure of college, the whole record shall be transferred to the University / Institute where the students are transferred.	Implemented																				
52.08	Starting of Semester Training for B. Tech. Programme (not available in Model Curriculum of AICTE)	Dean (Academics) informed the Council that in the previous scheme of B. Tech. before 2018, there was six months’ industrial training in the curriculum of IKGPTU whereas there is no provision of semester training in model curriculum of AICTE Scheme 2018 onwards. As recommend by the Chairmen Board of Studies, to bridge the gap between Industry and Institute, there should be Six Month Industrial Training in study scheme of 2018-19 batch onwards of engineering programmes in 7 th / 8 th semester. The item was discussed and council approved introduction of Six Month Industrial Training in study scheme of 2018-19 batch onwards of engineering programmes in 7 th / 8 th semester.	Implemented																				
52.09	Agenda items for IKGPTU Campuses																						
52.09.1	Study schemes & syllabi for different programs	The study scheme & syllabi for different Programmes was proposed by the different Board of Studies and the same was discussed and ratified with the following minor changes : <table border="1"><thead><tr><th>Sr.No</th><th>Course</th><th>Proposed</th><th>Ratified</th><th>Batch</th></tr></thead><tbody><tr><td>1.</td><td>B. Architecture</td><td>(1 to 8)</td><td>(1 to 2)</td><td>2019 onwards</td></tr><tr><td>2.</td><td>M. Architecture</td><td>(1 to 4)</td><td>(1 to 2)</td><td>2019 onwards</td></tr><tr><td>3.</td><td>M. Planning</td><td>(1 to 4)</td><td>(1 to 2)</td><td>2019 onwards</td></tr></tbody></table>	Sr.No	Course	Proposed	Ratified	Batch	1.	B. Architecture	(1 to 8)	(1 to 2)	2019 onwards	2.	M. Architecture	(1 to 4)	(1 to 2)	2019 onwards	3.	M. Planning	(1 to 4)	(1 to 2)	2019 onwards	Implemented
Sr.No	Course	Proposed	Ratified	Batch																			
1.	B. Architecture	(1 to 8)	(1 to 2)	2019 onwards																			
2.	M. Architecture	(1 to 4)	(1 to 2)	2019 onwards																			
3.	M. Planning	(1 to 4)	(1 to 2)	2019 onwards																			
52.09.2	Creation of new Departments from Academic Session 2019-20	It was informed that the following departments have been established in the Main campus from session 2019-20 (i) Department of Hotel Management (ii) Department of Humanities, Languages and Cultural Studies The council noted and ratified the above decision.	Implemented																				
52.09.3	External Theory & Practical	It was informed that External Theory & Practical Paper Pattern have been	Implemented																				

	Paper Pattern as proposed by various BOS & Internal Theory & Practical Paper Pattern proposed by BOS-Clinical Research	proposed by the different Board of Studies. The council discussed and ratified the recommendations of the Board of Studies.																	
52.09.4	Change of eligibility for M. Sc (Food Tech) & M. Tech (Food Tech)	Board of Studies for Food Technology has recommended to revise the eligibility criteria of following courses : 1. M. Sc (Food Tech) 2. M. Tech (Food Tech) The council ratified the change of eligibility criteria as proposed by the concerned BOS.	Implemented																
52.09.5	Eligibility Criteria for Courses stated at IKGPTU Main Campus as proposed by respective BOS:	The respective Board of Studies have recommended the Eligibility Criteria for the following Courses stated at IKGPTU Main Campus. <table border="1"><thead><tr><th>Sr. No.</th><th>Name of Course</th></tr></thead><tbody><tr><td>1</td><td>B.A (JMC)</td></tr><tr><td>2</td><td>BHMCT</td></tr><tr><td>3</td><td>B. Sc honors (Physics)</td></tr><tr><td>4</td><td>B. Sc honors (Chemistry)</td></tr><tr><td>5</td><td>B. Sc honors (Maths)</td></tr><tr><td>6</td><td>M. Phill (English) M. Phill (Punjabi) M. Phill (Political Sciences)</td></tr><tr><td>7</td><td>M. Planning</td></tr></tbody></table> Council discussed and ratified the eligibility criteria as recommended by the concerned BOS.	Sr. No.	Name of Course	1	B.A (JMC)	2	BHMCT	3	B. Sc honors (Physics)	4	B. Sc honors (Chemistry)	5	B. Sc honors (Maths)	6	M. Phill (English) M. Phill (Punjabi) M. Phill (Political Sciences)	7	M. Planning	Implemented
Sr. No.	Name of Course																		
1	B.A (JMC)																		
2	BHMCT																		
3	B. Sc honors (Physics)																		
4	B. Sc honors (Chemistry)																		
5	B. Sc honors (Maths)																		
6	M. Phill (English) M. Phill (Punjabi) M. Phill (Political Sciences)																		
7	M. Planning																		
52.09.6	Syllabus approved for minor/honors degree in B. Tech program by following BOSs (attached in the respective BOS).	The respective Board of Studies have recommended Syllabus for minor/honors degree in following B. Tech programmes running at IKGPTU Main Campus : <table border="1"><thead><tr><th>Sl.no.</th><th>BOS</th></tr></thead><tbody><tr><td>1</td><td>Computer Science & Engineering</td></tr><tr><td>2</td><td>Mechanical Engineering</td></tr><tr><td>3</td><td>Electronics & Comm. Engineering</td></tr><tr><td>4</td><td>Civil Engineering</td></tr><tr><td>5</td><td>Electrical Engineering</td></tr></tbody></table> Council noted and ratified the recommendations of the concerned BOS.	Sl.no.	BOS	1	Computer Science & Engineering	2	Mechanical Engineering	3	Electronics & Comm. Engineering	4	Civil Engineering	5	Electrical Engineering	Implemented				
Sl.no.	BOS																		
1	Computer Science & Engineering																		
2	Mechanical Engineering																		
3	Electronics & Comm. Engineering																		
4	Civil Engineering																		
5	Electrical Engineering																		

52.09.7	Vision Mission, PEOs and POs of Different Departments are proposed	<p>The respective Board of Studies have recommended the Vision Mission, PEOs and POs for the following Departments :</p> <table><tr><th>Sl.No.</th><th>BOS</th></tr><tr><td>1</td><td>Food Sci. & Tech</td></tr><tr><td>2</td><td>Hotel Management & Catering Technology</td></tr><tr><td>3</td><td>Chemical Sciences</td></tr><tr><td>4</td><td>Physical Sciences</td></tr><tr><td>5</td><td>Journalism & Mass Communication</td></tr><tr><td>6</td><td>Mathematical Sciences</td></tr><tr><td>7</td><td>Clinical Research</td></tr><tr><td>8</td><td>Computer Science Engineering</td></tr><tr><td>9</td><td>Mechanical Engineering</td></tr><tr><td>10</td><td>Electronics& Communication Engineering</td></tr><tr><td>11</td><td>Civil Engineering</td></tr><tr><td>12</td><td>Electrical Engineering</td></tr></table> <p>Council noted and ratified the recommendations of the concerned BOS.</p>	Sl.No.	BOS	1	Food Sci. & Tech	2	Hotel Management & Catering Technology	3	Chemical Sciences	4	Physical Sciences	5	Journalism & Mass Communication	6	Mathematical Sciences	7	Clinical Research	8	Computer Science Engineering	9	Mechanical Engineering	10	Electronics& Communication Engineering	11	Civil Engineering	12	Electrical Engineering	Implemented
Sl.No.	BOS																												
1	Food Sci. & Tech																												
2	Hotel Management & Catering Technology																												
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8	Computer Science Engineering																												
9	Mechanical Engineering																												
10	Electronics& Communication Engineering																												
11	Civil Engineering																												
12	Electrical Engineering																												
52.10	To review Nomenclature of all Courses	<p>Dean (Academics) informed the Council that Members of different board of studies, experts from other state Universities and colleges were invited to review the nomenclature of existing courses and to recommend starting of new courses as per UGC nomenclature.</p> <p>After detailed discussion the minutes of the committee regarding change of nomenclature of existing courses and starting of new courses as per UGC nomenclature were approved by the council.</p>	Implemented																										
52.11	Regarding approval of the updated Course Regulations by the Academic Council, IKGPTU.	<p>Dean (Academics) informed the Council that the committee formed for finalization and recompiling the University regulations drafted by the expert committee constituted by the BOG, IKGPTU in the 55th meeting vide IKGPTU/REG/OO/2054 dated 19.09.2019 has proposed to include Course regulations in the University's Academic regulations.</p> <p>These course regulations were modified from time to time subsequently. Accordingly, after the due approval of Honorable Vice Chancellor, these course regulations were updated/formulated by the Chairman, BOS/Senior faculty members of the University and have been included in the updated draft regulations.</p>	Implemented																										

		Members were of the view that the updated draft course regulations should be circulated for the comments /suggestions from the members.	
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Thereafter supplementary agenda was taken up :

S-52.01	Award of Ph.D.	It was informed that on the recommendations of the RDC, 30 more candidates have completed the requirement for the award of Ph.D. degree In Addition to item No. 52.03, council recommended 30 (Annexure- II) more names of candidates to award Ph.D Degree to Board of Governors (BOG) for approval.	Implemented
S-52.02	To ratify the decisions taken by the Chairman, Academic Council in anticipation of the approval of the Academic Council.		
S-52.02.01	To approve minutes of Board of Studies of Management(Campuses).	The council ratified the minutes of meeting of Board of Studies of Management (Campuses) held on 11 th December, 2019.	Implemented
S-52.03	To approve the minutes of meeting of Board of Studies of Architecture.	It was informed that a meeting of the Board of Studies of Architecture was held on 09-01-2020 in which the following was discussed and recommended 1. Study scheme and Syllabus for M. Planning (1 st , 2 nd semester) for Batch 2019 with minor changes. 2. Study scheme and Syllabus for B. Arch (1 st , 2 nd semester) for Batch 2019 with minor changes, typographical errors and mismatch in subject code/credits. The above recommendations of the Board of Studies were approved.	Implemented
S-52.04	To grant B.Sc. in Architectural Basics degree to B. Arch. Students after the successful completion of stage-1 of B. Arch (3 years).	It was informed that the matter regarding grant of B.Sc. in Architectural Basics degree to B. Arch. Students was put up before the 51 st Academic Council vide item No. S-51.03 (2). The same was deferred with the comments that clarification shall be taken from CoA in writing by the respective Chairman, BOS. The recommendations of the BOS were discussed in detail and Council authorized the Vice-Chancellor-cum-Chairman to constitute a committee. Chairman, BOS shall send the proposal, in this regard, to the Vice-Chancellor-cum-Chairman, Academic Council through Dean (Academics). The committee shall present the case to MHRD/CoA and the outcome of the same shall be put before the next meeting of the Council.	Shall be put up in the next meeting.

S-52.05	Any other item with the permission of the Chair.		
S-52.05.01	Start of Diploma in Computer Application (DCA) from January 2020 session under Open and Distance Learning (ODL).	<p>It was informed that University has got approval to running courses under Distance Education Mode and it was notified by UGC that for start of certificate / Diploma / Post-Graduate Diploma, statutory bodies of University may approve the same.</p> <p>The Board of Studies has recommended to start Diploma in Computer Applications and after passing the diploma programme students may opt for admission in Lateral Entry in BCA through Open and Distance Learning (ODL).</p> <p>The council discussed and approved the recommendations of the Board of Studies.</p>	Implemented



I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

(Office of Dean Academics)

Dr. Balkar Singh
(Dean Academics)

Contact : 01822-282562
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Ref. No. : **IKGPTU/DA/Spl/10052020/01**

Dated : **10-05-2020**

Principal/Director
All Constituent Campuses and
Affiliated Colleges of IKGPTU

Subject: Regarding revised Academic Calendar for Session 2019-20 & 2020-21

Dear Sir/Madam,

In View of COVID-19 pandemic the following **Revised Academic Calendar** shall be **applicable for Session 2019-20 & 2020-21:-**

Revised Academic Calendar for Session 2019-20 (Even Semester)

Activity	From Date	To Date
Start of Even Semester	01.01.2020	
Suspension of Classes	16.03.2020	
Continuation of Teaching-Learning through various modes such as Online Learning / Distance Learning / Social Media (WhatsApp / YouTube) / E-mails / Video Conferencing / Mobile Apps / SWAYAMPRABHA Channels on DTH / Finalisation of Dissertation / Project Work / Internship Reports / E-labs / MSTs / Internal Assessment / Assignment / Students Placement Drive etc.	16.03.2020	15.05.2020
Summer Vacations	15.05.2020	15.06.2020
External Practicals / Training Examinations through Online	16.06.2020	30.06.2020
Conduct of Examinations:		
(i) University Examination for final semester of all Courses	01.07.2020	15.07.2020
(ii) #University Examination for all other semesters		
#Date shall be announced 15 days before the start of examinations.		
Evaluation and Declaration of Result of Final Semester	31.07.2020	

Note:-

- The Institutes shall develop a fool-proof plan before the resumption of session, strictly following the norms of "social distancing" and other required precautions, to avoid any eventuality arising due to COVID-19.
- Institutional Training (scheduled in summer vacations as per scheme) after 2nd Semester and industrial training after 4th semester may be conducted as internships offered by various industries/ training institutions via online mode. Students May also be allowed to



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earn equivalent credits using MOOCS courses. Students may be allowed to attend some online certification course of 4-6 weeks relevant to their discipline. University shall accept the same against Summer Training. The institutions shall decide any other arrangements to enhance the skills of the students as per available resources.

3. The institutions shall conduct the practical examinations and Viva-Voce Examinations through Online or Digital Mode i.e. Skype, video conferencing or other meeting apps.

Academic Calendar for Session 2020-2021 (Odd & Even Semester)

Activity	From Date	To Date
For Odd Semester		
Admission Process	01.08.2020	31.08.2020
Commencement of Classes		
(i) Students of 2nd/3rd year	01.08.2020	
(ii) Fresh batch (First Semester/Year)	01.09.2020	
Conduct of Examinations	01.01.2021	25.01.2021
For Even Semester		
Commencement of Classes	27.01.2021	
Dispersal of Classes	25.05.2021	
Conduct of Examinations	26.05.2021	25.06.2021
Summer Vacations	01.07.2021	30.07.2021

The faculty can be assigned any urgent work related to Academics / Admissions / Examinations etc. during summer vacations on need basis by the University.

This is for your kind information and further compliance as per above.

With Regards

Dean (Academics)

Copy to :

1. I/C Secretariat, O/o Vice Chancellor : For kind information of Vice-Chancellor
2. Registrar Office
3. Controller of Examination
4. Deputy Registrar (Academics)
5. Assistant Registrar (Academics)
6. File Copy



I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

(Office of Dean Academics)

Dr. Vikas Chawla
(Dean Academics)

Contact : 01822-282562
E-mail : deanacad@ptu.ac.in

No. IKGPTU/DA/ 2396

Dated : 28-07-2020

Principal / Director
All University Campuses and
Affiliated College of IKGPTU

Subject : Regarding Revised Academic Calendar for session 2020-21 (Odd & Even Semester)

Dear Sir/Madam,


In view of COVID-19 pandemic the Revised Academic Calendar for session 2020-21 (Odd & Even Semester) is as under :

Activity	From Date	To Date
Odd Semester		
Admission Process (for 1 st Semester and Lateral Entry Admissions under AICTE courses)	Dates will be notified after the notification issued by Punjab Government	
Commencement of Teaching-Learning through various modes such as Online Learning / Distance Learning / Social Media (WhatsApp / YouTube) / E-mails / Video Conferencing / Mobile Apps / SWAYAMPRAKSHA Channels on DTH / Finalisation of Dissertation / Project Work / Internship Reports / E-labs / MSTs / Internal Assessment / Assignment / Students Placement Drive, MS Teams, Google Classroom, Zoom, WebEx, Skype, GotoMeet etc. (Till further orders)	03-08-2020	
i. Students of 3 rd , 5 th and 7 th Semester	Dates will be notified after the notification issued by Punjab Government	
ii. Fresh batch (First Semester)		
Conduct of Examinations	01-01-2021	25-01-2021
Even Semester		
Commencement of Classes	27-01-2021	
Dispersal of Classes	25-05-2021	
Conduct of Examinations	26-05-2021	25-06-2021
Summer Vacations	01-07-2021	30-07-2021

The faculty can be assigned urgent work related to Academics / Admissions / Examinations etc. during vacations on need basis by the University.

This is for your kind information and further compliance as per above.

With Regards


(Dr. Vikas Chawla)
Dean (Academics) 28/7/2020

Copy to :

1. I/C Secretariat, O/O Vice Chancellor : For kind information of Vice Chancellor
2. Registrar
3. Controller of Examinations
4. All concerned.

Prof. (Dr.) Vikas Chawla
Dean (Academics)



PTU

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

Estd. Under Punjab Technical University Act, 1996
(Punjab Act No.1 of 1997)

Ref. No. IKGPTU/DA/2495

Dated 11-09-2020

Principal / Director
All University Campuses and
Affiliated College of IKGPTU

Subject : Revised Academic Calendar for session 2020-21 (Odd Semester).

Dear Sir/Madam,

In continuation to our letter No. IKGPTU/DA/Spl/10052020/01 Dated: 10-05-2020 and IKGPTU/DA/2396 dt. 28.07.2020, please find attached revised Academic Calendar for session 2020-21 (Odd Semester).

This is for your kind information and further compliance.

With Regards

Prof. (Dr.) Vikas Chawla
Dean (Academics)

Copy to :

1. I/C Secretariat, O/O Vice Chancellor : For kind information of Vice Chancellor
2. Registrar
3. Controller of Examinations
4. All concerned.

"Propelling Punjab to a Prosperous Knowledge Society"

I. K. Gujral Punjab Technical University

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I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

ACADEMIC CALENDAR

Session: 2020-21 (ODD SEMESTER)-EXISTING BATCHES

Odd Semester		
Sr. No.	Description	Period
1	Session (Old students)	03 rd August, 2020 (Classes* have already been started)
2	First Mid Semester Examination	September, 2020 (28 th – 30 th)
3	Second Mid Semester Examination	November, 2020 (2 nd - 4 th)
4	Preparatory Holidays	**
5	End Semester Examination	**
6	End Semester Practical Examination	**
7	Winter Vacations	**

Session: 2020-21 (ODD SEMESTER)-NEW ADMISSIONS

(B. TECH. / B. PHARMA/ NON-AICTE (UGC) COURSES – UG LEVEL)

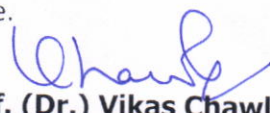
Odd Semester		
Sr. No.	Description	Period
1	Session (1 st semester)	25 th September, 2020 (Start of classes*)
2	First Mid Semester Examination	October, 2020 (26 th -28 th)
3	Second Mid Semester Examination	November , 2020 (25 th - 27 th)
4	Preparatory Holidays	**
5	End Semester Examination	**
6	End Semester Practical Examination	**
7	Winter Vacations	**

* Commencement of Teaching-Learning through various modes such as Online Learning / Distance Learning / Social Media (WhatsApp / YouTube) / E-mails / Video Conferencing / Mobile Apps / SWAYAMPRAKSHA Channels on DTH / Finalisation of Dissertation / Project Work / Internship Reports / E-labs / MSTs / Internal Assessment / Assignment / Students Placement Drive, MS Teams, Google Classroom, Zoom, WebEx, Skype, GotoMeet etc. (Till further orders).

** Dates will be intimated as per the directions of the Punjab Government / Competent authority after reviewing the situation due to COVID-19 Pandemic

Note : 1. Academic Calendar for NEW ADMISSIONS – PG Courses will be announced later.

2. Dates may change for compliance with COVID-19 guidelines / instructions /amendments issued by State Govt. /UGC/ Competent Authority from time to time.


Prof. (Dr.) Vikas Chawla
Dean (Academics)

Annexure -VI

SYLLABUS STATUS (RECOMMEND BY BOARD OF STUDIES)

Sr. No.	Brach	Course Name	Batch	Syllabus Status (Recommend by Board of Studies)
1	B. Tech.	Electronics & Communication Engineering	2018	Study Scheme 3 rd to 8 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus upto 5 th semester is available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
2	B. Tech.	Electronics & Instrumentation Engineering	2018	Study Scheme 3 rd to 8 th semester is recommended by concerned BOS and uploaded on University website, Detailed Syllabus upto 5 th semester is available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
3	B. Tech.	Electronics & Telecomm. Engineering	2018	Study Scheme 3 rd to 8 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus upto 5 th semester is available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
4	Bachelor	B. Voc. in Electronics Manufacturing Services	2018	Study Scheme and syllabus of 1 st to 6 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
5	B. Tech.	Computer Science Engineering	2018	Study Scheme 3 rd to 5 th semester is recommended by concerned BOS and uploaded on University website Detailed Syllabus up to 5 th semester is available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
6	B. Tech.	Information Technology	2018	Study Scheme and syllabus of 3 rd to 5 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
7	M. Tech	Computer Science Engineering (Cyber Security)	2020	Study Scheme 1 st to 4 th semester and syllabus of 1 st semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
8	M. Tech	Artificial Intelligence	2020	Study Scheme 1 st to 4 th semester and syllabus of 1 st semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
9	B. Tech	Civil Engineering	2018	Study Scheme 3 rd to 8 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available upto 5 th semester is on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
10	Bachelor	B.Sc. (Environmental Science)	2020	Study Scheme and semester of 1 st to 2 nd semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Bachelor_Science.aspx
11	Bachelor	Building Construction and Technology	2020	Study Scheme and syllabus of 1 st to 2 nd semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
12	Bachelor	Construction Technology	2020	Study Scheme and syllabus of 1 st to 2 nd semester is recommended by concerned BOS and uploaded on University

				website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
13	B. Tech	Automation & Robotics	2018	Study Scheme 3 rd to 5 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available upto 5 th semester is on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
14	B. Tech	Automobile Engineering	2018	Study Scheme 3 rd to 5 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available upto 5 th semester is on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
15	B. Tech	Mechanical Engineering	2018	Study Scheme 3 rd to 5 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available upto 5 th semester is on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
16	Bachelor	B. Voc. in Electronics Manufacturing Services,	2018	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc
17	Bachelor	B. Voc. in Automotive Manufacturing Technology,	2018	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
18	Bachelor	B. Voc. in Automobile Servicing	2018	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
19	Bachelor	B. Voc. in Refrigeration & Air Conditioning	2018	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
20	B. Tech.	Electrical Engineering	2018	Study Scheme & Syllabus of 3 rd to 8 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus upto 5 th semester is available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
21	B. Tech.	Electronics & Electrical Engineering	2018	Study Scheme & Syllabus of 3 rd to 8 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus upto 5 th semester is available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
22	B. Tech.	Electrical & Electronics Engineering	2018	Study Scheme & Syllabus of 3 rd to 8 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus upto 5 th semester is available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
23	Bachelor	B.Sc. (Non-Medical)	2018	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/MedLabScience.aspx
24	Bachelor	B.A. (Journalism and Mass Communication)	2018	Study scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Journalsmandmasscom.aspx
25	Bachelor	Bachelor of Business Administration	2018	Study Scheme and syllabus of 1 st to 6 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under

				link : https://www.ptu.ac.in/Syllabus/Management.aspx
26	Bachelor	BBA (Rural Development)	2018	Study Scheme and syllabus of 1 st to 6 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Management.aspx
27	Bachelor	B.Com. (Honrs)	2018	Study Scheme and syllabus of 1 st to 6 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Management.aspx
28	Bachelor	BBA (Service Industry)	2018	Study Scheme and syllabus of 1 st to 6 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Management.aspx
29	Bachelor	B.Voc. (Beauty Therapy & Aesthetics)	2019	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
30	B. Voc.	B. Voc. (Child Caregiver)	2019	Study Scheme & Syllabus of 1 st to 4 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
31	PG Diploma	PG Diploma in Digital Marketing	2020	Study Scheme & Syllabus of 1 st to 2 nd semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
32	B. Tech.	Biotechnology	2018	Study Scheme 3 rd to 8 th semester recommended by concerned BOS and uploaded on University website. Detailed Syllabus upto 5 th semester is available on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
33	Bachelor	B. Sc. (Biotechnology)	2018	Study Scheme 1 st to 6 th semester and syllabus of 1 st to 5 th semester recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Biotechnology.aspx
34	Bachelor	B.Sc. (Honors) Microbiology	2020	Study Scheme and syllabus of 1 st semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/Biotechnology.aspx
35	Bachelor	B.Sc.(Fashion Design)	2018	Study scheme and syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
36	Bachelor	B.Sc.(Textile Design)	2020	Study scheme and syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
37	Bachelor	B.Sc.(Fashion Design Knits)	2018	Study scheme and syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website. Detailed

				Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
38	Master	M. Sc. (Fashion Design)	2020	Study scheme and syllabus of 1 st to 4 th semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
39	Master	M.Sc. (Garment Manufacturing Tech.)	2018	Study scheme and syllabus of 1 st to 4 th semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
40	Master	M.Sc. (Fashion Mkt. Mgmt.)	2018	Study scheme and syllabus of 1 st to 4 th semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
41	Master	Master of Design (Fashion & Textile)	2019	Study scheme and syllabus of 1 st to 4 th semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
42	PG	PG Diploma in Fashion Design and Clothing Technologys	2020	Study scheme and syllabus of 1 st to 2 nd semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
43	Bachelor	B.Voc (Fashion Design and Garment Technology)	2020	Study scheme and syllabus of 1 st to 2 nd semester is recommended by concerned BOS and upload on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/FashionTech.aspx
44	Bachelor	Bachelor of Hotel Management & Catering Technology	2018	Study Scheme and Syllabus of 1 st to 6 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/HotelManagement.aspx
45	Bachelor	Bachelor of Travel & Tourism Management	2018	Study Scheme and Syllabus of 1 st to 8 th semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://www.ptu.ac.in/Syllabus/HotelManagement.aspx
46	Bachelor	B Voc. (Tourism& Travel Management)	2019	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
47	Bachelor	B. Voc. (Tourism & Hospitality Management)	2019	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
48	Bachelor	B.Voc. (Hospitality & Catering Management),	2019	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx

49	Bachelor	B.Voc. (Hospitality & Culinary Management),	2019	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
50	B.Tech	B. Tech (Agriculture)	2019	Study Scheme and syllabus of 1 st to 3 rd semester is recommended by concerned BOS and uploaded on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
51	Bachelor	B.Sc. (Hons) Agriculture	2019	Study Scheme and Syllabus of 1 st to 3 rd Semester is recommended by concerned BOS and upload on University website. Detailed syllabus is available on University website under link : https://ptu.ac.in/Syllabus/Agriculture.aspx
52	Bachelor	B.Voc (Agriculture)	2018	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
53	Bachelor	B.Voc (Agriculture)	2019	Study Scheme & Syllabus of 1 st to 3 rd semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
54	Bachelor	B.Voc (Agriculture)	2020	Study Scheme & Syllabus of 1 st semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
55	Bachelor	B.Sc. (Radiotherapy Technology)	2019	Study Scheme 1 st to 6 th semester & Syllabus of 1 st to 4 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus.aspx
56	Bachelor	B.Sc. (Graphics & Web Designing)	2019	Study Scheme and syllabus of 1 st to 4 th Semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://ptu.ac.in/Syllabus/CompApp.aspx
57	Bachelor	B.Sc. (Artificial Intelligence & Machine Learning)	2020	Study Scheme and syllabus of 1 st to 2 nd Semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://ptu.ac.in/Syllabus/CompApp.aspx
58	Bachelor	Bachelor in Computer Applications	2019	Study Scheme and syllabus of 1 st to 4 th Semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://ptu.ac.in/Syllabus/CompApp.aspx
59	Bachelor	B.Sc. (Information Technology)	2019	Study Scheme and syllabus of 1 st to 6 th Semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://ptu.ac.in/Syllabus/CompApp.aspx
60	Master	M. Sc. (Information Technology)	2019	Study Scheme and syllabus of 1 st to 4 th Semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under

				link : https://ptu.ac.in/Syllabus/CompApp.aspx
61	Master	Master of Computer Applications	2019	Study Scheme and syllabus of 1 st to 4 th Semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://ptu.ac.in/Syllabus/CompApp.aspx
62	Master	Master of Computer Applications	2020	Study Scheme and syllabus of 1 st to 2 nd Semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://ptu.ac.in/Syllabus/CompApp.aspx
63	Master	M.Sc. (Multimedia)	2018	Study Scheme and syllabus of 1 st to 4 th Semester is recommended by concerned BOS and uploaded on University website. Detailed Syllabus available on University website under link : https://ptu.ac.in/Syllabus/CompApp.aspx
64	Bachelor	B. Voc. (Hardware & Networking)	2018	Study Scheme & Syllabus of 1 st to 6 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
65	Bachelor	B.Voc. (Networking and System Administration)	2019	Study Scheme & Syllabus of 1 st to 2 nd semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
66	Bachelor	B.Voc (Web Technologies and Multimedia)	2019	Study Scheme & Syllabus of 1 st to 4 th semester is recommended by concerned BOS and upload on University website under link : https://www.ptu.ac.in/Syllabus/bvoc.aspx
67	Bachelor	B. Tech Food Technology	2019	Study Scheme 3 rd to 8 th semester and syllabus of 3 rd semester is recommended by concerned BOS and uploaded on University website under link : https://www.ptu.ac.in/Syllabus/Engineering.aspx
68	B.Sc. (Hons)	(Nutrition & Dietetics) 4 Yrs.	2018	Study Scheme and syllabus of 1 st to 3 rd semester is recommended by concerned BOS and uploaded on University website under link : https://www.ptu.ac.in/Syllabus/food.aspx



I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

(Office of Dean Academics)

Dr. Balkar Singh
(Dean Academics)

Contact : 01822-282562

E-mail : deanacad@ptu.ac.in

Ref. No. : IKGPTU/DA/Spl/05012020/01

Dated : 01-05-2020

Dr. S. K. Sood
Director
KCLIMT, Jalandhar

Subject: Regarding approval of continuation of specialization in Human Resource only during fourth semester for Col. Jagvinder Pal Singh Cheema, University Roll No. 1812063 of MBA course, 2018 batch.

Dear Sir,

Kindly refer to your letter No.: KCLIMT/3522 dated 20-01-2020 on the subject cited above.

Keeping in view of the career of student, Col. Jagvinder Pal Singh Cheema, University Roll No. 1812063, of MBA programme, 2018 batch of your Institute, it is informed that Hon'ble Vice Chancellor has approved the case of said student to pursue MBA (Human Resource) with Major Specialization only in fourth semester.

Kindly note, the student will study all core subjects of 4th semester of MBA, 2018 batch with four elective subjects of MBA (Human Resource) within stipulated period.

Keeping in view of Covid-19 pandemic, you are requested to make the necessary arrangements for conducting online classes of student as per University norms.

Kindly send the compliance of the same to the undersigned.

(Dr. Balkar Singh)
Dean (Academics)

Copy to :

1. I/C Secretariat, O/o Vice Chancellor : For kind information of Vice-Chancellor
2. COE - for information and necessary action.
3. DR (Academics)- to put up the case in the 53rd Academic Council meeting for approval.
4. Concerned Senior Assistant – For record

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

*Estd. Under Punjab Technical University Act, 1996
(Punjab Act No. 1 of 1997)*

Ref. No. : IKGPTU/Reg/NF/24/1788

Dated : 11.09.2020

NOTIFICATION

Sub: Notification regarding Eligibility of New M.Tech. Programs.

As per approval of the competent authority; the University is pleased to start the following AICTE approved M. Tech programs w.e.f. session 2020-2021 onwards.

The eligibility criteria and duration of these courses will be as under:

Sr. No.	Nomenclature of Programs	Eligibility of Program	Duration of Program
1	M. Tech (Artificial Intelligence)	B.E. / B. Tech. (CSE/ IT/ Software Engg./ Computer Engg./ Software Systems/ Information Security/ Cyber Security/ Computational Engg./ Machine learning) with atleast 50% (45% in case of candidate belonging to reserved category).	04 Semester / 02 Years
2	M. Tech CSE (Cyber Security)	B.E. / B. Tech. (CSE/ IT/ Software Engg./ Computer Engg./ Software Systems/ Information Security/ Cyber Security/ Computational Engg./ Machine learning) with atleast 50% (45% in case of candidate belonging to reserved category).	04 Semester / 02 Years

(Sandeep Kumar Kajal)
Registrar

Endst. No. IKGPTU/Reg/NF/1789-1793

Dated: 11.09.2020

A Copy is forwarded to the following officers for information please.

1. I/C Secretariat, O/o Vice Chancellor : For information of Vice-Chancellor
2. Dean (Academics)
3. Director (Main and other Campuses): To inform all Deputy Dean (Faculty), HoDs (Teaching) and Incharge, Constituent Campuses
4. Deputy Registrar (Academics / BOS / Admission Cell): For information and necessary action.
5. Incharge (ITS): For upload on website.



Annexure-IX

I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY
(Office of Dean Academics)

Dr. Balkar Singh
(Dean Academics)

Contact : 01822-282562
E-mail : deanacad@ptu.ac.in

Ref. No. : IKGPTU/DA/ 2387

Dated : 07-07-2020

Principal/Director
All Constituent Campuses and
Affiliated Colleges of IKGPTU
(Running Hotel Management Courses)

Subject: Regarding shifting of Industrial Training for Hotel Management Courses (AICTE & UGC approved) for Session 2020-21 only, due to COVID-19 Pandemic

Dear Sir/Madam,

As decided by the Board of Studies (Hotel Management Tourism and Travel Management) in its meeting held on dated 01/06/2020 and approved by the competent authority of University, the decision for the Industrial Training for Hotel Management courses (AICTE & UGC approved) for Session 2020-21 only, will be as under:-

For Bachelor of Hotel Management (UGC) courses :-

The 4th semester will be of training instead of 3rd semester and the subjects taught in the 4th semester will be taught in the 3rd Semester.

For Bachelor of Hotel Management (AICTE) Course :-

The 6th semester will be of training instead of 5th semester and the subjects taught in the 6th semester will be taught in the 5th Semester.

The above decision of BoS is applicable with immediate effect.

With Regards


Dean (Academics)

Copy to :

1. I/C Secretariat, O/o Vice Chancellor : For kind information of Vice-Chancellor
2. Registrar Office
3. Controller of Examinations
4. Deputy Registrar (Academics)
5. Assistant Registrar (Academics)
6. I.T.S. Department : to put on website



IK GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, PUNJAB
(Department of Academics)

Ref. No. IKG-PTU/DA/ 2494

Date: 10/09/2020

Principal / Director
All Constituent Campus and
Affiliated Colleges of IKGPTU
(Running Hotel Management Coursers)

Subject: Regarding shifting to Industrial Training for Master in Hotel Management & Catering Technology program for session 2020-2021 only, due to COVID-19 Pandemic.

As decided by the Board of Studies (Hotel Management, Tourism and Travel Management) in its meeting held on dated 31st July 2020 and approved by the competent authority of the University; the decision for the Industrial Training for Master in Hotel Management & Catering Technology program for session 2020-2021 only, will be as under :-

The 4th semester will be of Industrial Training instead of 3rd semester and the subjects taught in the 4th semester will now be taught in the 3rd semester of the above said program.

The above decision of BoS is applicable with immediate effect.

With Regards,

[Signature]
10/9/2020

(Rajinder Dogra)
Deputy Registrar

Copy to :

1. I/C Secretariat, O/o Vice Chancellor : For kind information of Vice-Chancellor.
2. Dean (Academics) for information please
3. Registrar Office
4. Controller of Examinations
5. Deputy Registrar / Assistant Registrar (Academics)
6. Chairperson / Coordinator BOS (HMTTM)
7. Incharge I.T.S. Department : to upload on University website.



IK GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, PUNJAB
(Department of Academics)

Annexure-XI

Ref. No. IKG-PTU/DA/ 2393

Date: 23/7/2020


Principal / Director
All Affiliated Colleges (Architecture)
IKG Punjab Technical University

Subject: Regarding the Swapping of B. Architecture Practical Training (7th Semester) of one semester with 8th semester.

As decided by the Board of Studies (Architecture) in its meeting 15th July 2020 and approved by the competent authority of University, the decision of the B. Architecture Practical Training (7th Semester) for the current semester only will be as under:-

"The one semester B.Arch Practical Training (BACH-701/AR-701) of the session July-Dec 2020 will be swap with 8th semester of session Jan-May 2021 for 2017 batch for IKG PTU affiliated colleges of B.Architecture".

This is for your information and necessary action please.


(Parvesh Aspal)
Assistant Registrar

A Copy to :

1. I/C Secretariat, O/o Vice Chancellor : For kind information of Vice-Chancellor
2. Dean (Academics)
3. Registrar Office
4. Controller of Examinations
5. Chairperson BOS Arch.
6. I.T.S. Department for uploading on University website.



I. K. Gujral Punjab Technical University

Main Campus, Kapurthala-144603 (PB)

Subject: Regarding uniformity among study schemes of different Engineering Department

Following committee was constituted by the Director, Main Campus in the meeting held on 13.02.2020, 3pm to maintain uniformity among B.Tech. Study Schemes of all engineering department of Main Campus wherever possible:

- | | |
|-----------------------|--------------------------------------|
| 1. Dr Satvir Singh | Deputy Dean (Engineering) & Head ECE |
| 2. Dr Monika Sachdeva | Chairperson, BOS CSE |
| 3. Dr Rajiv Chouhan | Chairperson, BOS CE |
| 4. Dr Rakesh Goyal | Coordinator, BOS ECE |
| 5. Dr Manoj Mittal | Coordinator, BOS ME |
| 6. Dr Deepika Bhalla | Coordinator, BOS EE |

In a meeting held on 19.02.2020, every department agreed to fix 170±2 (One Hundred Seventy plus/minus Two) for B.Tech. degree programme. Following other common issues related to B.Tech. Study Scheme 2018 were deliberated upon and recommended for approval:

1. **Summer Trainings:** All engineering department will include summer trainings as follows:

S. No.	Training Name	When	Duration	Credits	Internal Marks	External Marks	Grades
I	Institutional Training	After 2 nd Sem	04 Weeks	0	60	40	S & US
II	Industrial Training	After 4 th Sem	04 Weeks	0	60	40	S & US
III	Semester Training	7 th /8 th Sem	01 Semester	16	300	200	O, A+, A, B+, B, C, P, F & E

2. **Semester Training Assessment:** Assessment criteria for summer B.Tech. trainings

S. No.	Assessment	By Whom	Mid-Sem	End-Sem	Credits
I	Departmental Assessment	Department	100	100	O, A+, A,
II	Industrial Assessment	Industry	50	50	B+, B, C, P,
III	External Assessment	External Examiner	-	200	F & E

3. **Semester Training Equivalent Courses:** Each department will offer on-campus industry-oriented theory with practical courses of 16 credits equivalent to the Semester Training. Students will choose either Semester Training or equivalent industry-oriented courses in 7th/8th semester. Assessment criteria for these courses will same as that of other theory and practical courses.

4. **Open Electives & Total Credits:** Student will undertake three (03) Open Elective courses as follows:

S. No.	Course	When	Credits	Internal Marks	External Marks	Grades
I	Open Elective-1	6 th Sem	3	40	60	O, A+, A, B+, B, C, P, F & E
II	Open Elective-2	7 th /8 th Sem	3	40	60	
III	Open Elective-3	7 th /8 th Sem	3	40	60	

Receipt No : 17717/2020/Dept of ECE

5. **Projects & Assessment:** During B.Tech. degree course students shall design two projects in teams. Project must involve originality, innovation and business idea. Project teams may include members from other departments as well. Assessment criteria for assessment of projects is given follows:

S. No.	Project Name	When	Credits	Internal Marks	External Marks	Grades
I	Project-1	6 th Sem	3	60	40	O, A+, A, B+, B, C, P, F & E
II	Project-2	7 th /8 th Sem	6	120	80	

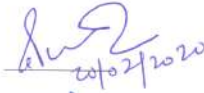
Manoj Mittal



Deepika Bhalla



Rakesh Goyal



Rajiv Chouhan



Monika Sachdeva



Satvir Singh



Submitted for consideration and approval.



Director Main Campus

Allowed

Please get it approved through
respective BOS
4/13/20

Dr. Satvir (Deputy Dean Engg.)

Director, Main Campus
Dispatch No. 122 Dt. 4/13/20

To: Dr. Satvir Singh (Deputy Dean)

Subject: Proposal for Final Semester & Backlog Examination.

A committee of the following is constituted by Hon'ble Vice Chancellor on 09.09.2020:

1. Dean (A)
2. Controller of Examination
3. Director (Campus)
4. Dy Controller (Conduct)

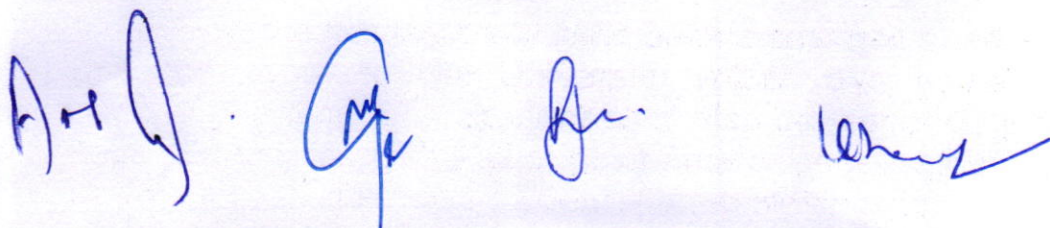
Committee met on 09.09.2020 in o/o Dean (A), and proposed the following:

As per UGC guidelines, it is mandatory to conduct the terminal semester/Final year students having backlog should compulsorily be evaluated by conducting examination in Offline (Pen & Paper)/Online/Blended (Online + Offline) Mode as per feasibility and Suitability. Due to Covid-19, it is not possible to conduct the examination in the Examination Centres. In view of the circumstances, following Blended (Online + offline) mode is proposed:

1. Conduct of Examination.

Examination will be of two hours: from 9.30 am to 11.30 am, 1PM to 3PM & 4.30PM to 6.30PM and will be conducted every day in three sessions. The question papers, as per the date sheet, will be uploaded in the respective login IDs of every student 30 minutes prior to start of examination.

After two hours, the students will send back a scanned sheet by uploading the same to the University within two hours of completion of examination. Student shall also be responsible to post (Regd./Speed post only) all original answer sheets after last examination of the concerned student, failing which results shall not be declared. Speed post receipt must be immediately scanned and upload through Login ID of concerned candidate.



Envelop must be of A4 size of any colour along-with cloth lining and write on top **"Answer sheet for April-2020 Examination"** and should be addressed to:

Controller of Examination
4th Floor, G+7 Building
I.K. Gujral Punjab Technical University,
Jalandhar - Kapurthala Highway,
VPO - Ibban, Kapurthala-144603,
Distt. Kapurthala

At sender details, following is mandatory: -

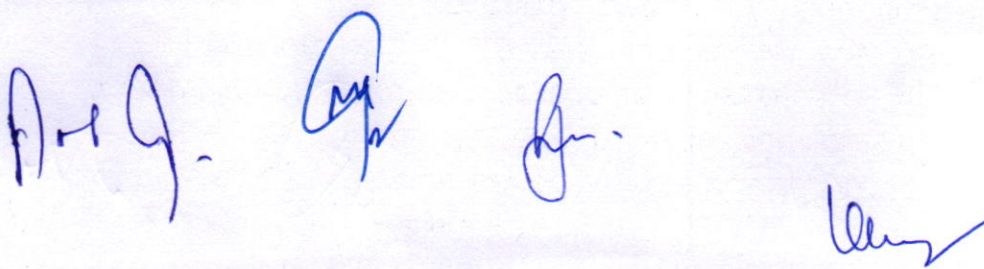
Name of the Candidate, Roll No, Branch, semester(s), postal address of candidate & mobile number.

White colour & A4 Sheets will be arranged by each & every student and will be comprising of 20 pages. Each page must be of white colour & A4 size. Candidate need to write following on each & every page:

- (i) Page No: For Example 1,2, 3.....20
- (ii) Name of Student: For Example Mohit Kumar
- (iii) Roll No of Student: 1602002
- (iv) Subject Name/Code/Mcode: Physics/AM-101/77910
- (v) Course: For Example BCA/MBA/BBA etc.
- (vi) Session of Examination: April 2020

The candidate will be required to attempt 50 per cent of Maximum marks of the question paper by choosing any questions and remaining 50 percent marks on the basis of internal assessment of concerned subject. Pattern of question papers shall be same but without 1st question of Objective type(section-A) and will not be asked to attempt any compulsory question.

The candidates will solve the question paper from their location on A4 size paper in his/her handwriting with a maximum page limit of 20 sheets of which only one side has to be used.



2. Evaluation of Scanned Answer Sheets

Upon receiving the scanned answer sheets, Secrecy branch will allocate these sheets to respective evaluator directly. Evaluator shall evaluate the downloaded answer sheets and mark awards on prescribed Performa (Already being used in conventional answer sheets of University). Onwards Evaluator will upload the filled Performa via his/her login along with punching of awards in the University portal.

3. Result Preparation

Internal awards are already received in Examination Department and External awards as punched by University shall be used for preparing the results (As per previous practice).

The proposal is submitted for Approval please.


Controller of Examination

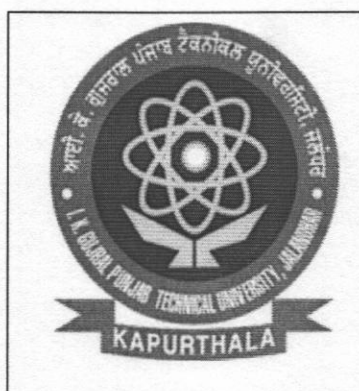

Dean (Academics)


Director (Campus)


Dy Controller (Conduct)

**I.K. GUJRAL
PUNJAB TECHNICAL UNIVERSITY**

Jalandhar-Kapurthala Highway, Kapurthala



Research Policy

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I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY
Department of Research & Development

RESEARCH POLICY

1. Introduction

Research is fundamental to the growth of our teaching and learning. The university is committed to the advancement of the knowledge for the economic growth and emancipation of the humanity. We endeavour to address the challenges we face in society as a nation and globally. The act of IKGPTU mandates it to conduct research at the University for the advancement of the institute through transmission of knowledge and conduct a scholarly inquiry.

2. Purpose:

The purpose of the research policy is to develop an ecosystem of research within which faculty and scholars carry out their research for the advancement of their knowledge. It also envisages the comprehensive framework for the development and implementation of all research programs at IKGPTU.

3. Scope:

The IKGPTU Research Policy will be applicable to all the faculties/scholars involved in research/ sponsored projects/ consultancy projects including Ph. D scholars registered with PTU working in main campus, its constituent colleges, its affiliated colleges and scholar registered under an MoU.

The research activities at IKGPTU will include the research work of direct relevance to IKGPTU, society, start of Projects of government (State and Central), industry and commerce. The research will be carried out in national and international collaboration also under ambit of the Government Rules.

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4. Objectives

- The institutional growth through research.
- To instill the research culture to improve the institutional environment for all i.e. faculty, scholars, and students.
- Research activities for improving physical facilities of the institute, including laboratories and equipment.
- To establish research centers with center of excellence.
- To disseminate the outcome of the research work through publication of papers in the indexed journals with impact factor.
- To earn patents from research output.
- To attract funds from Government as well as from private organizations.
- To attract good faculties and students.
- To update syllabi through the experience of research.
- To have local, national and global collaborations.
- To develop a problem-solving culture using S&T.
- To create human capital by running Ph.D. program on its campus and different centers.
- To commercialize research outputs including but not limited to process, design, and products.

5. Rights and responsibilities in the conduct of research:

The research carried out on the campus covers basic research, applied research, design development, product development, problems relevant to the need of industry through projects supported by industry or the Government or society, and endowment funds.

The policy emphasizes that each faculty/scholar has the freedom to carry out independent research, scholarship and/or creative activities related to their discipline/interdisciplinary/in any new emerging field. They may engage themselves in interdisciplinary and interdepartmental research activities and research sharing. The faculty may participate in collaborative research with national

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organization, international organization, and private industries. They will have the freedom to seek support from any source under the ambit of the law of the land for their work.

Faculty will have right to disseminate the results and findings of his/her research without suppression or modification from external sponsors unless it is stated in the agreement or stated regarding conditions of a project which prevents from dissemination. The finding and conclusions should be available for analysis, assessment, and scrutiny as required by the university.

The regular faculty has right to engage in external consulting activities as per guidelines laid in the consultancy rules.

The faculty can enroll the students under the Ph.D. program for research as per guidelines of Ph.D. of IKGPTU.

The faculty can hire JRF/SRF in the sponsored project as per guidelines of the project.

Faculties are expected to play a role of mentor to the research scholar and the staffs who are associated with them in the research group.

Faculty members will adhere to the rules of the university while dealing with staff and students working as part of the research team.

The policy does not prevent a HOD in assigning the faculties regular academic work and other responsibilities as per UGC/AICTE or the University rules.

6. Research techniques to be used:

Research techniques to be used should be in the conformity of professional ethics about the health, safety, privacy, and other personal rights of human beings or the infliction of injury or pain on animals.

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7. Statutory requirements

- (a) Academic staff and students are required to carry out their Research in compliance with all the University's obligations under legislation and any ethical and contractual obligations.
- (b) Research projects that involve human or animal subjects, including those undertaken as part of a teaching program must have prior approval of the competent authority.
- (c) All Academic staff, students, and visitors of the University are required to make themselves aware and follow the University Health and Safety Policy.

8. Research Management

The implementation and updation of the Research Policy will be done by the Department of Research & Development. The University Research Board is the advisory body chaired by the Vice-Chancellor to finalize rules and regulations of the research policy.

The research scholar pursuing Ph.D. in the university will be governed by the Ph.D. guidelines. Even if a scholar is sponsored by an external agency then also the scholar must adhere to the Ph. D guidelines of IKGPTU.

The faculty can hire JRF/SRF in the sponsored project as per guidelines of the project. The hiring of the fellow will be done with approval of the competent authority of the University.

9. Resources in Support of Research

- 1. The university will provide Research Fellowship to each department every year for the students registered for Ph.D. on the IKGPTU Kapurthala Campus i.e. the fellowship will be available to the research scholars registered with IKGPTU Main Campus only. They will be governed by university Research Fellowship rules (as per University's Research

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Fellowship policy). Additionally, university may also enrol research scholars without fellowship as per available slots.

2. The university will allow the CSIR/UGC/DBT or other fellow to register for Ph. D.
3. The university will provide seed money as per UGC norms.
4. In order to file patent of the research output, financial support will be provided as per patent policy of the university.

10. Research Planning

The department and faculty are free to develop and implement its research plan in coherence of the University Research Strategy and the University Strategic Plan.

11. Retention and Access to Research Data

The PI and university will have rights and responsibilities regarding access to, use of, and maintenance of original research data. The tangible research property, including the scientific data and other records of research conducted under the auspices of IKGPTU, belongs to IKGPTU. The PI and guide are responsible for the maintenance and retention of research data.

The above-said policy applies to the university faculty, staff, students and other persons of the university involved in the design, conduct or reporting of the research at or under the auspices of the university. It shall apply to all the research projects on which those individual's work, regardless of the source of funding for the project.

If a contract or project is sponsored that includes specific provision(s) regarding ownership, retention and access to technical data, the provisions(s) of that agreement will supersede this policy.

12. Evaluation and Monitoring of Performance

The intellectual and tangible property rights and responsibilities will be reviewed by the faculty member with all his group members,

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including staff, students, and post-doctoral fellows and visiting scholars. The report will be submitted to the office of the Dean R&D.

The university research performance will be evaluated by the office of the Dean R&D annually.

The Dean R&D will monitor performance of Research Centres operating on the campus or under ambit of IKGPTU at any location.

The R&D may publish an annual report of research performance in terms of publications, patents, technology transfer, commercialization of research, consultancy work, and the sponsored projects.

13 Recruitment and Staff Development

The recruitment of the staffs would be done in a sponsored project as per conditions laid down by the sponsoring agency. If the sponsoring agency does not specify the qualifications, the rules of IKGPTU will be applicable.

14. Postgraduate Research (PGR) Student

- (a) The Dean (R&D), Deans of other faculties and Heads of departments will be responsible to ensure that the management of PGR degree complies with the university statutes, policy and procedures.
- (b) The registrar is responsible for ensuring that faculties and departments/schools make appropriate budgetary provision for the support of postgraduate student Research.
- (c) Workload of the departments will be distributed to the faculties as per rules before approval of the enrollment of the PGR students.

15 Financial Support to attend National and Oversea's academic interaction by research scholars:

As per IKGPTU rules.

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16 Contingency:

Contingency grant to the research scholars will be provided as per IKGPTU rules.

17. Publication and Intellectual Property

- (a) The University expects all Research outputs will be publicly available unless it is restricted by the sponsoring agency or the Institute.
- (b) The university may withhold research output for any good reasons.
- (c) Faculty, scholars, Staff and PGR students are required to comply with the University's Intellectual Property Policy.

18 Technology Transfer:

The Principal Investigator (PI) and the team should seek approval from the university for transfer and/or commercialization of research output. The revenue, thus earned, may be distributed as per IKGPTU rules.

19. Research Centers (RC)

The policy emphasises to create different research centres in the campus to carry out research in thrust area or for excellence in research including area of applied research.

- (a) Research centers will help in promoting University's Research's reputation. The centers should also serve as medium for engaging other research institutions and industries including collaborative research. Interdisciplinary and multidisciplinary research should be encouraged to attract external funding.
- (b) RC will help in the involvement of nationally and internationally recognized researchers.

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- (c) If any Research Center is to be created, it should be approved by the BOG.

20 Legislative Compliance

The University is required to manage its policy documentation within a legislative framework.

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