



ਆਈ.ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ (ਅਕਾਦਮਿਕ ਵਿਭਾਗ)



Ref. No.: IKG-PTU/DA/ 2330

Date: 17/2/19

ਪ੍ਰਿੰਸੀਪਲ / ਡਾਇਰੈਕਟਰ
ਸਮੂਹ ਐਫੀਲੇਡਿਟ ਕਾਲਜ / ਸੰਸਥਾਵਾਂ
ਆਈ.ਕੇ.ਜੀ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ।

ਵਿਸ਼ਾ :- **Regarding Major and Minor degree in B.Tech program and MOOCs courses.**

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਦੇ ਸਬੰਧ ਵਿੱਚ ਆਪ ਜੀ ਦੇ ਧਿਆਨ ਵਿੱਚ ਲਿਆਂਦਾ ਜਾਂਦਾ ਹੈ ਕਿ ਆਈ.ਕੇ.ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਵੱਲੋਂ ਦਾਖਲਾ ਸਾਲ 2018-2019 ਤੋਂ ਬੀ.ਟੈਕ. ਦੇ ਵਿਦਿਆਰਥੀਆਂ ਲਈ ਮੇਜਰ ਅਤੇ ਮਾਈਨਰ ਬੀ.ਟੈਕ. ਪ੍ਰੋਗਰਾਮ ਸ਼ੁਰੂ ਕੀਤਾ ਗਿਆ ਹੈ ਜਿਸ ਸਬੰਧੀ ਯੂਨੀਵਰਸਿਟੀ ਵੱਲੋਂ ਬਕਾਇਦਾ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰਬਰ /IKGPTU/Reg/NF/2056 ਮਿਤੀ 17.05.2019 ਜਾਰੀ ਕੀਤਾ ਜਾ ਚੁੱਕਾ ਹੈ ਅਤੇ ਇਸ ਦੀ ਲਗਾਤਾਰਤਾ ਵਿੱਚ ਦਾਖਲਾ ਸਾਲ 2019-2020 ਤੋਂ MOOCs courses ਸਬੰਧੀ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰਬਰ /IKGPTU/Reg/NF/2096 ਮਿਤੀ 24.05.2019 ਰਾਹੀਂ ਪਾਲਿਸੀ ਵੀ ਲਿਆਂਦੀ ਗਈ ਹੈ।


ਉਕਤ ਨੋਟੀਫਿਕੇਸ਼ਨਾਂ ਦੀ ਕਾਪੀਆਂ ਨਾਲ ਨੱਥੀ ਕਰਕੇ ਆਪ ਜੀ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਜੇਕਰ ਆਪ ਜੀ ਦੀ ਸੰਸਥਾ / ਕਾਲਜ ਦਾ ਕੋਈ ਵਿਦਿਆਰਥੀ ਉਕਤ ਸਬੰਧੀ ਲਾਭ ਪ੍ਰਾਪਤ ਕਰ ਰਿਹਾ ਹੈ ਜਾਂ ਲੈਣਾ ਚਾਹੁੰਦਾ ਹੈ ਤਾਂ ਉਸਦੀ ਸੰਪੂਰਨ ਜਾਣਕਾਰੀ ਮਿਤੀ 25.02.2020 ਤੱਕ ਅਕਾਦਮਿਕ ਵਿਭਾਗ ਨੂੰ ਦਸਤੀ ਤੌਰ ਤੇ ਭੇਜਣਾ ਯਕੀਨੀ ਬਣਾਇਆ ਜਾਵੇ ਤਾਂ ਜੋ ਇਸ ਸਬੰਧੀ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਅਮਲ ਵਿੱਚ ਲਿਆਂਦੀ ਜਾ ਸਕੇ।


ਇਸ ਨੂੰ ਪਰਮ ਅਗੇਤ ਦਿੱਤੀ ਜਾਵੇ।

ਨੱਥੀ : ਉਕਤ ਅਨੁਸਾਰ।

ਇਸ ਦਾ ਇੱਕ ਉਤਾਰਾ :

1. ਇੰਚਾਰਜ ਸਕੱਤਰੇਤ : ਉਪ ਕੁਲਪਤੀ ਜੀ ਦੀ ਸੂਚਨਾ ਹਿੱਤ।
2. ਕੰਟਰੋਲਰ ਪ੍ਰੀਖਿਆਵਾਂ ਜੀ ਨੂੰ ਸੂਚਨਾ ਹਿੱਤ।
3. ਡਾਇਰੈਕਟਰ (ਮੇਨ ਕੈਂਪਸ) ਜੀ ਨੂੰ ਸੂਚਨਾ ਹਿੱਤ।


(ਡਾ. ਬਲਕਾਰ ਸਿੰਘ)
ਡੀਨ ਅਕਾਦਮਿਕ
17/2/2020


(ਡਾ. ਬਲਕਾਰ ਸਿੰਘ)
ਡੀਨ ਅਕਾਦਮਿਕ
17/2/2020

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

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

Ref. No. : IKGPTU/Reg/NF/2056

Dated : 17.05.2019

NOTIFICATION

Sub: **Guidelines for Major and Minors degree in B. Tech (Engineering).**

The University is pleased to introduce for awarding Major and Minors degree to the students' enrolled in the B. Tech in IKGPTU Main Campus, constituent campuses & affiliated colleges w.e.f. session 2018-2019 onwards.

1. INTRODUCTION

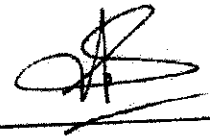
To complement the academic programs I.K. Gujral Punjab Technical University has initiated the minors and major programme to the undergraduate students enrolled in the B.Tech. The B.Tech students can choose from a long list of disciplines that offer a Minor option. Obtaining a Minor typically involves taking a set number of additional courses, determined by the department offering the minor, and once completed the Minor is indicated on transcript.

2. OBJECTIVES

The objective of initiating the major and minor degree certificates is: To diversify the knowledge of the undergraduates. This will make the undergraduates more employable. This will have more educational and professional skills after the completion of his undergraduate courses.

3. Applicability

- To all B. Tech (Engineering) branches, B. Tech. LEET students and B.tech passed out students of IKGPTU (within stipulated time frame as notified by IKGPTU).
- The major and minor degree will be offered at all IKGPTU University campuses and affiliated colleges.



- c. The concerned department of the University/constituent campuses/colleges should be offering both major and minor degree of the concerned subject concurrently.
- d. Possibility of candidate seeking minor degree should be as per the following Table

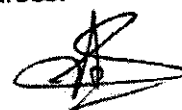
Sr. No	Name of major Course	Option for minor courses	Seats intake for minor courses
1.	B.Tech (Engineering) All streams	B.Tech (Engineering) (All streams)	20% against sanctioned intake for major degree for admission in minor degree (10% -For B.Tech II nd students+10% for LEET students).

4. Entry level

- a. The candidate will start the minor degree in their individual B. Tech (Engineering) from **Third semester** onwards for both regular and LEET students.
- b. Passed out students can also avail the option of perusing the minor degree in the concerned subject. However, the students must complete the minor degree within stipulated period as notified by IKGPTU for the completion of the B.Tech.

5. Structure of Minor in B. Tech.

- 5.1 The admission for the minor courses will be made based on the merit list. There will be two separate merit list for the selected students for minor degree. One will be for B.Tech IInd semester students and other will be for LEET students. The merit list of B.Tech IInd semester and LEET students will be based upon the marks of students acquired by B.Tech in Ist semester and in diploma courses respectively.
- 5.2 The student will have to earn at least (20) credits/5 subjects (whichever is higher) for award of the minor degree from the other branch/discipline. The candidate will have to clear at least 5 courses from the list approved by concerned BoS. Out of the 5 courses (core+departmental elective) at least he/she has to choose 2 or more core subject and rest may be chosen from elective courses.



5.3 The candidates may choose additional core (theory or practicals) to fulfil the minimum credit requirement.

5.4 The students may be allowed to take maximum **two (2)** subjects per semester pertaining to their minor degree.

5.5 The candidate can only opt for single minor degree course in his/her entire tenure of B.Tech (Engineering).

5.6 The passed out student, however, can also avail/opt the five subjects (core+elective) simultaneously to earn 20 credits (whichever is higher) for the award of the minor degree.

5.7 A Student will be eligible to get undergraduate degree with additional minor engineering, if he/she complete an additional 20 credits. These may also be acquired through MOOCS/SWAYAM (Model Curriculum by AICTE; Page 3B)

5.8 For the selection of subjects from the list of MOOCS/SWAYAM while earning minor engineering, the list of subjects should be approved by concerned BOS

6. Procedure for Applying for the Minor degree

The department which is offering the minor degree will announce for the minor degree of the concerned discipline with specialization before the start of the session. The department will also notify the list of the different courses for the minor degree. The interested students will choose course from the list of the offered courses as per the condition laid down in the structure for the minor degree. The interested student then apply with due approval from its parent department. The concerned department will announce the list of the selected students for the minor degree. The whole process should be completed within one week before the start of every session.

7. Joining in minor courses in B. Tech

Every department will compile the list of the students enrolled in the minor degree and will be communicated to the time table committee of institute/University for the drafting of the time table accordingly.



8. Procedure for Monitoring the Progress of the Scheme

The students enrolled in the minor courses will be monitored continuously at par with the prevailing practices and examination standards. Various MSTs, seminar as applicable etc. will be conducted at par with the prevailing rules and regulations.

9. Allocation of seats for minor degree in different departments

9.1 The University/institute/colleges will notify the number of the seats for minor degree in the concerned department well in advance before the start of the semester.

9.2 The list of the elective for minor degree will be offered from the list of running majors in the concerned subjects.

Each department of concerned institute/University will notify the seats for the minor degree well before the start of each session as per the following tables


Sr. No.	Name of the course	Seats offered for the minor degree	Courses offered	Credits for each course

10. Fees for the minor degree

The course fee for the minor degree certificate will be Rs. 2,000/- per theory subject and Rs. 1,000/- per laboratory subject per semester.

11. Examination charges

Examination charges will be as per the IKGPTU norms.


(Dr. S.S. Walia)
Registrar

Endst. No. IKGPTU/REG/NF/2057-2060

Dated: 17.05.2019

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. All HoDs (Non-Teaching)
3. Director (Main Campus): To inform the all HoDs (Teaching)
4. Director, IKGPTU Hoshiarpur Campus


(Dr. S. S. Walia)
Registrar

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

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

Ref. No. : IKGPTU/Reg/NF/ 2096

Dated : 24.05.2019

NOTIFICATION

Sub: **Policy regarding MOOCs courses.**

The University is pleased to notify the following policy regarding offering of MOOCs courses to the students enrolled in the B. Tech program in IKGPTU Main Campus, Constituent Campuses & affiliated colleges of IKGPTU w.e.f. session 2019-2020 onwards.

1. About MOOCs

To enhance digital learning in the country, Government has approved National Mission on Education through Information and Communication Technology (NMEICT) in the year 2009, to provide high quality personalized and interactive knowledge modules over the internet/intranet for all learners in higher educational institutions in anytime anywhere mode. Through this scheme the Ministry is providing connectivity to all colleges and Universities and providing high quality e-content free of cost.

Government of India has approved a scheme for Massive Open Online Courses (MOOCs) to provide best quality e-learning resources to students across country. An Indian platform called Study Webs of Active-Learning for Young Aspiring Minds (SWAYAM) is being developed for hosting of MOOCs and same has been already approved by UGC.

SWAYAM platform is indigenously developed by Ministry of Human Resource Development (MHRD) and All India Council for Technical Education (AICTE) with the help of Microsoft and would be ultimately capable of hosting 2000 courses and 80000 hours of learning: covering school, under-graduate, post-graduate, engineering, law and other professional courses.



Aim of MOOCs

The main aim of MOOCs is to provide new opportunities to a massive number of learners to attend free online courses from anywhere all over the world. This will enrich the learning experience by using audio-video and multi-media and state of the art pedagogy / technology. In order to ensure best quality contents, the SWAYAM has 4 quadrants:

- a) Video lecture
- b) E-content: Specially prepared reading material that can be downloaded/printed
- c) Self-assessment tests through tests and quizzes
- d) An online discussion forum for clearing the doubts

3. General guidelines for selection of MOOCs Courses as Open elective

- a) MOOCs course shall preferably be chosen as replacement for open elective courses not more than 20% of total credits so that overall credits of degree should not change.
- b) BOS can give choices for selection of MOOCs courses in particular semester/year. It is advised that no MOOCs course shall be opted for 1st year and preferably, it should be started from 2nd year onwards.
- c) The selected MOOCs courses shall be available on the SWAYAM Platform or any other platform as recommended by UGC/AICTE.
- d) BOS should include the course title, subject codes and credits of selected MOOCs course in the syllabus.
- e) The credits of the course should not be less than 3 and not more than 4 with minimum duration of one semester.
- f) The basket for MOOCs will be a dynamic one, as courses keep on updating with time.
- g) Every year SWAYAM is notifying the list of courses those are going to offer in forthcoming even and odd semester. So BOS may select the courses that is offered on SWAYAM platform or any other platform or recommended by UGC/AICTE.
- h) UGC and AICTE has already issued the UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016 advising the Universities to identify

courses where credits can be transferred on to the academic record of the students for courses done on SWAYAM. The BOS can refer these guidelines for selection of MOOCs courses.

- i) In the first phase MOOCs courses option shall be applicable for the engineering courses offered in IKGPTU Main Campus, constituted campuses and autonomous colleges only. After successful implementation, it will be applicable to remaining courses for IKGPTU Main Campus, constituted campuses and affiliated colleges.

4. General guidelines for selection of MOOCs Courses to award Honours Degree

AICTE has introduced Model Curriculum for Bachelor of Technology programme with 160 credits (approx.) in the entire programme of 4 years' duration, and additional 18 to 20 credits will be required to be taken for the award of degree of **Bachelor of Technology with Honours**. These additional 18 to 20 credits can be acquired with online courses (MOOCs) as per AICTE rules. The students will have to complete additional 18 to 20 credits through MOOCs within the prescribed duration of the course.


- a) The Honor's Degree is optional for student; if a student is interested, he/she can opt for same.
- b) A student has to earn 18 to 20 additional credits through MOOCs platform by appearing for courses other than the regular courses. These subjects should be pertaining to the parent branch as per the recommendations of Board of Study (BOS) of respective stream. The student has to clear the examination of the course.
- c) BOS can give choices for selection of MOOCs courses in particular semester/year. It is advised that no MOOCs course shall be opted for 1st year and preferably, it should be started from 2nd year onwards.
- d) The selected MOOCs courses shall be available on the SWAYAM Platform or any other platform or as recommended by UGC/AICTE.
- e) BOS should include the course title, subject codes and credits of selected MOOCs course in the syllabus.
- f) The credits of the each course selected from MOOCs should not be less than 3 and not more than 4 with minimum duration of one semester.
- g) The basket for MOOCs will be a dynamic one, as courses keep on updating with time.



- h) Every year SWAYAM is notifying the list of courses those are going to offer in forthcoming even and odd semester. So BOS may select the courses that is offered on SWAYAM platform or any other platform or recommended by UGC/AICTE.
- i) Duration of completion of Honour degree will be 4 Years (for non-Lateral entry student) and 3 Years (for Lateral entry students). No further extension will be provided.
- j) In the first phase MOOCs courses option shall be applicable for the engineering courses offered in IKGPTU Main Campus, constituted campuses and autonomous colleges only. After successful implementation, it will be applicable to remaining courses for IKGPTU main campus, constituted campuses and affiliated colleges.

5. Credit sharing and Certification

Current credit sharing policy of UGC/AICTE shall be applicable.



(Dr. S. S. Walia)
Registrar

Endst. No. IKGPTU/REG/NF/2097-2100

Dated: 24.05.2019

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. All HoDs (Non-Teaching)
3. Director (Main Campus): To inform the all HoDs (Teaching)
4. Director, IKGPTU Hoshiarpur Campus


(Dr. S. S. Walia)
Registrar