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**Supporting Documents-**  
**Department of Civil Engineering**  
**Approved Minutes of BOS Meeting(s)**



1.1.2 & 1.2.2

**Supporting Documents- Civil Engineering**  
**Department**

**Approved MOMs of BOS/ Academic council  
highlighting relevant metric**



**Board of Studies (Civil Engg./Mining Engg. & EVS)**  
**MINUTES OF MEETING**

A meeting of Board of Study Civil Engg/Mining Engg/EVS was held on January 12<sup>th</sup> 2016 in Conference Room, 2<sup>nd</sup> Floor, Department of Academics, IKGPTU at 11:00 Hrs.

**The following member were present:**

Dr. J.N. Jha (Chairperson)  
Dr. Sanjeev Naval (Member)  
Dr. Sanjiv Aggarwal (Member)  
Dr. Manjit Bansal (Member)  
Dr. Sanjay Sharma, (Member)  
Dr. Chander Parkash, (Member/Coordinator- BOS)

**The leave of absence granted to**

Dr. Adarshapal Vig, (Member- BOS)  
Dr. H.S. Rai, (Member- BOS)

**The following member were not present :**

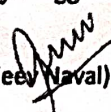
Dr. Siby John, (Member- BOS)  
Er. Parampreet Kaur, (Member- BOS)  
Er. Navdeep Asija, (Member- BOS)  
CII/PHD/TIE Nominee  
TPO PTU, Nominee

The board discussed the agenda and following decisions were made.

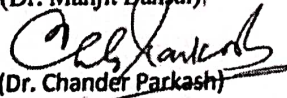
1. In the light of affidavit provided by authorities of IKGPTU regarding B.Tech. (Mining Engg.), BOS is of the view that any further necessary action should be taken up after the instructions from the Hon'ble High Court. In the meantime, IKGPTU concerned authorities are requested to provide a copy of affidavit filed by IKGPTU.
2. BOS reviewed the syllabus & scheme of M.Sc. Environmental Sciences and has following observations
  - The syllabus is quite lengthy, therefore first three semesters should have 5 subjects which include Core, Elective & Open etc.
  - The code given should reflect the degree for e.g. M.Sc. course should be mentioned like MEVS rather than EVS only.
  - The seminar should be in one semester only.
  - The list of Open Elective subjects are given for one semester whereas a list of Electives for semester two and three may be provided to BOS (4-5 subjects per Elective).
  - The core courses should be of 4 credits whereas elective subjects should be of 3 credits. After incorporating the above changes, the syllabus & scheme may be placed in next meeting of BOS for approval.
3. The BOS reviewed the scheme & syllabus of B.Tech 1<sup>st</sup> year EVS and recommended that it should be strictly as per the model syllabus given by UGC for EVS at graduate level students in the light of decision given by the Hon'ble Supreme Court. BOS also recommended that this case should be placed in next meeting of BOS Chairmen's meeting.
4. The BOS took the case of M.Tech. in Structural Design provided by Sri Sai Group under any other item agenda. The BOS asked the members of Sri Sai Group Institutions to provide course approval notification of IKGPTU. After the receipt of the approval, the soft copy of syllabus for the same course will be sent to experts for their comments before final approval of the syllabus by BOS.


The meeting ended with a vote of thanks.

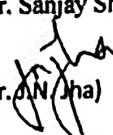
  
12.1.16  
(Dr. Sanjiv Aggarwal)


  
(Dr. Sanjeev Naval)

  
12/01/16  
(Dr. Manjit Bansal)

  
(Dr. Chander Parkash)

  
(Dr. Sanjay Sharma)

  
(Dr. J.N. Jha)

  
Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603

**Board of Studies (Civil Engg. & EVS)**  
**MINUTES OF MEETING**

A meeting of Board of Study Civil Engg was held on May 3<sup>rd</sup> 2016 in Conference Room, 2<sup>nd</sup> Floor, Department of Academics, IKGPTU at 14:30 Hrs.

**The following member were present:**

Dr. J.N. Jha (Chairperson, BOS-Civil Engg. & EVS)  
Dr. Sanjeev Naval, (Member- BOS-Civil Engg. & EVS)  
Dr. Adarshapal Vig, (Member- BOS-Civil Engg. & EVS)  
Dr. Manjeet Bansal, (Member- BOS-Civil Engg. & EVS)  
Dr. Sanjay Sharma, (Member- BOS-Civil Engg. & EVS)  
Dr. Sanjiv Aggarwal, (Member- BOS-Civil Engg. & EVS)  
Dr. Harvinder Singh, Asso. Prof. GNDEC, Lud. (Special Invitee)  
Dr. Vandana Naithani, Assistant Professor, Main Campus IKGPTU (Special Invitee)  
Dr. MK Kaushik, Assistant Professor, DAVIET, Jalandhar (Special Invitee)  
Dr. Chander Parkash, (Coordinator- BOS-Civil Engg. & EVS)

**The leave of absence granted to**

Er. Parampreet Kaur, (Member- BOS-Civil Engg. & EVS)  
Er. Navdeep Asija, (Member- BOS-Civil Engg. & EVS)  
Dr. H.S. Rai, (Member- BOS-Civil Engg. & EVS)

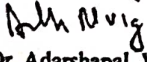
**The following member were not present :**

Dr. Siby John, (Member- BOS-Civil Engg. & EVS)  
CII/PHD/TIE Nominee  
TPO PTU, Nominee

The board discussed the agenda and following decisions were made.

1. The scheme of M.Sc. Environmental Science, Batch 2016 has been finalized and approved (Annexure-A).
2. The scheme of B.Tech Civil Engineering, Batch 2016 has been finalized and approved (Annexure-B).
3. The scheme of M.Tech. (Environmental Sciences & Engg.), Batch 2016 has been finalized and approved (Annexure-C).
4. The scheme of M.Tech. (Structural Engg.), Batch 2016 has been finalized and approved (Annexure-D).
5. The scheme of M.Tech. (Civil Engg.), Batch 2016 has been finalized and approved (Annexure-E).
6. The scheme of M.Tech. (Geotechnical Engineering/Soil Mechanics & Foundation Engg.), Batch 2016 has been finalized and approved (Annexure-F).
7. All colleges need to send the list of subject offered in the ensuing semester to the Academics Department to the University for onward transmission to the Examination Department.
8. Syllabi of 1<sup>st</sup> semester of PG courses and UG courses will be uploaded by May 30<sup>th</sup> 2016, the detail syllabi will be circulated to all the members for comments before uploading on the website.

The meeting ended with a vote of thanks.

  
Dr. Adarshapal Vig

  
Dr. Manjeet Bansal


  
Dr. Sanjay Sharma

  
Dr. Sanjiv Aggarwal

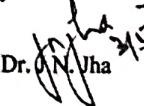
  
Dr. Harvinder Singh

  
Dr. Sanjeev Naval

  
Dr. Vandana Naithani

  
Dr. M.K. Kaushik 3/5/2016

  
Dr. Chander Parkash

  
Dr. J.N. Jha 3/5

  
Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603



**Board of Studies (Civil Engg. & EVS)**  
**MINUTES OF MEETING**

A meeting of Board of Study Civil Engg was held on September 16<sup>th</sup> 2016 at 11:30 in Conference Room, 2<sup>nd</sup> Floor, Department of Academics, I.K. Gujral Punjab Technical University Campus.

The following member were present:

Dr. H.S. Rai, (Member- BOS-Civil Engg. & EVS)  
Dr. Sanjiv Aggarwal, (Member- BOS-Civil Engg. & EVS)  
Dr. Sanjeev Naval, (Member- BOS-Civil Engg. & EVS)  
Dr. Chander Parkash, (Coordinator- BOS-Civil Engg. & EVS)

The following member were not present :

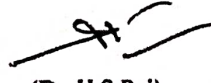
Dr. J.N. Jha (Chairperson, BOS-Civil Engg. & EVS)  
Er. Parampreet Kaur, (Member- BOS-Civil Engg. & EVS)  
Er. Navdeep Asija, (Member- BOS-Civil Engg. & EVS)  
Dr. Siby John, (Member- BOS-Civil Engg. & EVS)  
Dr. Adarshapal Vig, (Member- BOS-Civil Engg. & EVS)  
Dr. Manjit Bansal, (Member- BOS-Civil Engg. & EVS)  
Dr. Sanjay Sharma, (Member- BOS-Civil Engg. & EVS)  
CII/PHD/TIE Nominee  
TPO PTU, Nominee

On the request of Dr. J.N.Jha, Chairperson BOS Civil Engg., who could not attend the meeting, Dr. H.S.Rai chaired the meeting.

The board discussed the agenda and following decisions were made.

1. On review of Minutes of the previous meeting of BOS Civil Engg., held on 3/5/2016, it was observed that there are inconsistencies in the study scheme. It was also observed that there are no skeleton approved of the various courses. So it was decided that all such course study scheme/ syllabus be kept on hold, till approved skeleton is obtained.
2. The study scheme and syllabus of M.Tech Civil Engg., Batch 2016 was discussed and approved as annexure-A.
3. The study scheme and syllabus of M.Tech Structural Design, Batch 2016 was discussed and approved as annexure-B.
4. The content of M.Sc. Environmental Science Batch 2016 needed to be improved. It was suggested that amended syllabus may circulated before the next meeting and it is to be presented by concerned person.
5. The meeting ended with the vote of thanks.

  
(Dr. Sanjiv Aggarwal)

  
(Dr. H.S Rai)

(Dr. Sanjeev Naval)

  
(Dr. Chander Parkash)

  
Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603

## Board of Studies (Civil Engg. & EVS) MINUTES OF MEETING

A meeting of Board of Study Civil Engg was held on July 03<sup>rd</sup> 2017 at 11:00 in Conference Room, 2<sup>nd</sup> Floor, Department of Academics, I.K. Gujral Punjab Technical University Campus.

The following member were present:

Dr.Rajiv Chauhan, HOD, Civil Engineering, IKGPTU, (Chairman)  
Dr.K.S. Gill, GNDEC, Ludhiana (Member)  
Dr.Hardeep Singh Rai, GNDEC, Ludhiana (Member)  
Dr.Jagbir Singh, GNDEC, Ludhiana (Member)  
Dr.Neeru Singla, IKGPTU -Kapurthala (Member)  
Dr.Mukta Sharma, IKGPTU -Kapurthala  
Dr. Sanjay Sharma, EVS,JU, Jammu  
Dr. Deepak Kashyap, IIT, Ropar  
Dr.Chander Parkash, IKGPTU, Kapurthala  
Dr. T. Palanisamy, Associate Prof. IKGPTU (Coordinator)

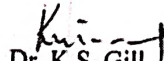
The following member were not present :

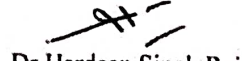
Dr.Harvinder Singh, GNDEC, Ludhiana  
Dr. Sanjeev Naval, DAVIET, Jalandhar  
Dr. Adarshpal Vig, GNDU, Amritsar  
Dr. A.K. Ahuja, IIT, Rorkee  
Dr.Vandana Nathani, IKGPTU -Kapurthala  
S. Navdeepak Sandhu, IKGPTU -Kapurthala

The board discussed the agenda and following decisions were made.


1. The scheme of B.Tech Civil Engineering Batch 2018-2019 onwards was discussed and it was decided that the total credit should be around 180 only.
2. The workshop after second semester should include hands on training on Plumbing & Masonary.
3. List of Elective subjects should be increased so that maximum specialized courses may covered.
4. The titles of theory & practical in the scheme, should be placed together.
5. The credits for tutorials should be as per new norms of UGC / AICTE guidelines.
6. It is proposed that subject of Engineering Mechanics may be introduced in 1<sup>st</sup> year which is a pre-requisite for Mechanics of Solids.
7. The proposed new subject i.e. Basics of Civil engineering can be kept in open electives.
8. The six month training need to be abolished so that space for new subjects can be created. Instead it is proposed that it should be of four weeks in summer vacations.
9. All the Analysis subjects should be covered before their corresponding Design subjects.

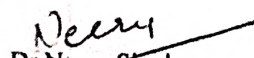
  
Dr. Deepak Kashyap


  
Dr. K.S. Gill

  
Dr. Hardeep Singh Rai

  
Dr. Jagbir Singh

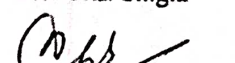
  
Dr. Sanjay Sharma

  
Dr. Neeru Singla

  
Dr. T. Palanisamy

  
Dr. Mukta Sharma

  
Dr. Rajiv Chauhan

  
Dr. Chander Parkash

  
Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603



**IK Gujral Punjab Technical University Jalandhar**  
(Jalandhar-Kapurthla Highway, Punjab)  
Department of Academics



Ref. No. IKG-PTU/BOS/Civil/705

Date: 24.4.2018

**Board of Studies (Civil Engg. & EVS)**  
**MINUTES OF MEETING**

A meeting of Board of Study Civil Engg was held on April, 24<sup>th</sup> 2018 at 11:30 a.m. in Conference Room, 2<sup>nd</sup> Floor, Department of Academics, I.K. Gujral Punjab Technical University Campus.

The following member were present:

Dr. Rajiv Chauhan, HOD, Civil Engineering, IKGPTU, (Chairman)  
Dr. K.S. Gill, GNDEC, Ludhiana (Member)  
Dr. Jagbir Singh, GNDEC, Ludhiana (Member)  
Dr. Sanjeev Naval, DAVIET, Jalandhar  
Dr. T. Palanisamy, Associate Prof. IKGPTU  
Dr. Chander Prakash, IKGPTU, Kapurthala (Coordinator)  
Dr. Vandana Nathani, IKGPTU - Kapurthala  
S. Navdeepak Sandhu, IKGPTU - Kapurthala

The following member were not present :

Dr. Hardeep Singh Rai, GNDEC, Ludhiana (Member)  
Dr. Sanjay Sharma, EVS, JU, Jammu  
Dr. Neeru Singla, IKGPTU - Kapurthala (Member)  
Dr. Mukta Sharma, IKGPTU - Kapurthala  
Dr. Harvinder Singh, GNDEC, Ludhiana  
Dr. Adarshpal Vig, GNDU, Amritsar  
Dr. A.K. Ahuja, IIT, Rorkee  
Dr. Deepak Kashyap, IIT, Ropar

The board discussed the agenda and following decisions were made.

1. The syllabus of EVS for UG courses (AICTE & UGC) got approved.
2. Regarding proposed scheme of B.Tech. Civil Engg. with reference to AICTE model curriculum 2018, more discussion is required with other members of BOS who could not attend today's meeting. A workshop regarding model curriculum as proposed by AICTE and possible deviations there from, may be conducted with their assistance for the benefit of formulating new curriculum.
3. The proposed scheme of M.Tech. Civil Engg. (with specialization in Structures, Geotechnical Engg.) as per AICTE Model curriculum 2018 got approved with inclusion of Technical Seminars.
4. The Vision & Mission of the Civil Engg. Department IKGPTU main campus got approved with slight modifications.
5. The board was of the view to include some course on Entrepreneurship in the M.Tech. Civil Engg. curriculum.

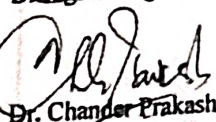
  
Dr. K.S. Gill

  
Dr. Jagbir Singh

  
Dr. T. Palanisamy

  
Dr. Vandana Naithani

  
Dr. Sanjeev Naval

  
Dr. Chander Prakash

  
Er. Navdeepak Sandhu

  
Dr. Rajiv Chauhan

  
Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

ਆਈ. ਕੇ. ਗੁਜਰਾਲ . ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ  
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR  
Department of Civil Engineering

Ref. No. TKYPTU/CE/BOS/001.

Dated 28-06-19.

**Board of Studies (Civil Engineering)**  
**MINUTES OF MEETING**

A meeting of Board of study Civil Engg. was held on June 28, 2019 at 10:00 am in office of HOD Civil Department CB-II Ground Floor, I.K. Gujral Punjab Technical University Jalandhar. Main Campus.

**The following members were present:**

- Dr. Rajiv Chauhan, HOD, Civil Engineering, IKGPTU, Kapurthala
- Dr. Geeta Arora, PEC, Chandigarh
- Dr. Maninder Singh, Punjabi University, Patiala
- Dr. Rinku Walia, IKGPTU, Hoshiarpur Campus
- Dy. Director/Assistant Director CR&A
- Ar.Md. Fuzail Jawaid, IKGPTU, Main Campus
- Mr. Simarjit Singh, Student Representative, IKGPTU Main Campus

**The following members could not attend the meeting:**

- Dr.A.P. Singh, NIT, Jalandhar
- Dr. Sanjay Kumar Singh, PEC University, Chandigarh
- Dr. Jaspal Singh, PAU, Ludhiana
- Dr. Vijay Shankar Dogra, NIT, Hamirpur
- Dr. Kamal Kumar, PEC, Chandigarh
- Dr.R.K. Sharma, NIT Hamirpur
- Dr. Rafat Siddique, Thapar University, Patiala
- Dr. Dwarka, Thapar University, Patiala

The Board discussed the agenda and the following decisions were made.

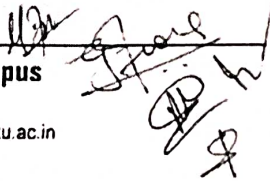
- [Redacted] Engineering, IKGPTU Main Campus has been discussed and approved. (Annexure – A)
- [Redacted] of [Redacted]
- [Redacted] s.

"Propelling Punjab to a Prosperous Knowledge Society"

**I. K. Gujral Punjab Technical University Main Campus**

Jalandhar-Kapurthala Highway, Kapurthala-144 603

Mob.: 94658-84852 Mail : ptu.headcivil@gmail.com Website : www.ptu.ac.in

  
HOD  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603





ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

ਆਈ. ਕੇ. ਗੁਜਰਾਲ. ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ  
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR  
Department of Civil Engineering

Ref. No IKGPTU/CE/BOS/001

Dated 28-06-19

- The list of subjects for Program Core & Programme Elective Course the for Minor Degree in Civil Engineering batch 2018-22 onwards has been finalized. List attached at 'Annexure - B'.
- The already approved scheme and syllabus of M. Tech Civil Engineering with pspecialization in Structural Engineering for batch 2018-20 of IKGPTU shall be adopted for M. Tech Civil Engineering batch 2019-21 for Main and Constituent Campuses.
- To undertake an Honors degree, the students have to earn 20 credits from SWAYAM/MOOCs.
- The members of BOS (CE) authorized the Chairman BOS (Main & Constituent Campus) and Dr Rinku Walia to suggest a list of subjects from Swayam /MOOCs for semester July-Nov. 2019 for batch 2018-22 in line with BoS of Affiliated colleges.
- It was recommended that the number of credits for SWAYAM/MOOCs would be assigned on the basis of the duration. The criteria for credit calculation will be:

<u>Weeks</u>	<u>Credits</u>
3-5 weeks	1
6-9 weeks	2
10-13 weeks	3
14-16 weeks	4

The meeting ended with vote of thanks.

Dr. Geeta Arora

Dr. Maninder Singh

Dr. Rinku Walia

Dy. Director CR&A

Mr. Simarjit Singh

Ar. Md. Fuzail Jawaid

(Coordinator)

"Propelling Punjab to a Prosperous Knowledge Society"

Dr. Rajiv Chauhan

(Chairman)

**I. K. Gujral Punjab Technical University Main Campus**

Jalandhar-Kapurthala Highway, Kapurthala-144 603

Mob.: 94658-84852 Mail : ptu.headcivil@gmail.com Website : www.ptu.ac.in

Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603

Annexure - A

**Vision, Mission of Civil Engineering Department, IKG PTU Main Campus:**

	<b>Vision</b>	<b>Mission</b>
<b>University Main Campus</b>	To be an institution of excellence in the domain of higher technical education that serves as the fountainhead for nurturing future leaders of technology and techno-innovation responsible for the techno-economic, social, cultural and environmental prosperity of the people of Punjab, the Nation and the World.	To provide seamless education through pioneering use of technology, in partnership with industry and society with a view to promote research, discovery and entrepreneurship and to prepare its students to be responsible citizens of the world and the leaders of technology and techno-innovation of the 21 <sup>st</sup> Century by developing in them desirable knowledge, skill and attitudes base for the world of work by instilling in them a culture for seamlessness in all facets of life.
<b>Department</b>	To be a Department of excellence producing civil engineers having professional and leadership qualities with technical competence to promotes inter-disciplinary research and Innovation for Sustainable society.	<ul style="list-style-type: none"><li>• To aspire for the advancement of Technical Education in Civil Engineering and allied fields by relevant research and innovation.</li><li>• To impart and enhance knowledge for empowerment of socially, economically marginalized sections of society.</li><li>• To produce Ethical Civil Engineers and entrepreneurs to meet National and Global demands.</li></ul>

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*[Signature]*  
Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603

## Programme Outcomes (PO's)

S. No.	Programme Outcomes	Description
1	Engineering Knowledge	Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
2	Problem Analysis	Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
3	Design/ Development of Solutions	Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
4	Conduct	Investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
5	Modern Tool Usage	Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6	The Engineer and Society	Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
7	Environment and Sustainability	Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
8	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
9	Individual and Team Work	Function effectively as an individual, and as a member or leader in diverse teams and in multi-disciplinary settings.
10	Communication	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
11	Project Management and Finance	Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12	Life-long Learning	Recognize the need for and have the preparation and ability to Engage in independent and life- long learning in the broadest context of technological Change.

*[Handwritten signatures]*

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 Head  
 Department of Civil Engineering  
 IKG PTU Main Campus  
 Kapurthala-144603

## Programme Educational Objectives (PEOs):

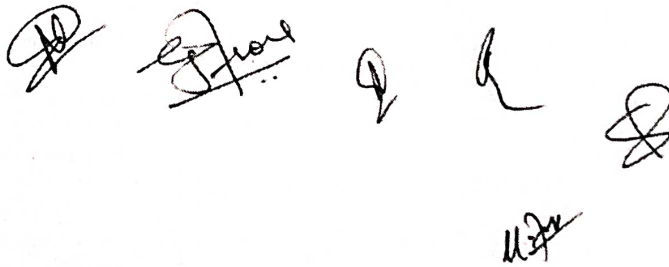
The graduates of Civil Engineering will be able to:

1. Determine and resolve complex civil engineering problems of the region with the help of modern engineering tools by application of technical knowledge and skills.
2. Promote smart, sustainable and cost-effective solutions in coherence with societal issues by abiding professionalism.
3. Become successful entrepreneur or acquire employment in Public/Private sector or pursue higher studies for research and development.
4. Inculcate professional ethics, management and leadership qualities.
5. Work in teams comprising of multidisciplinary professionals.

## Programme Specific Outcomes (PSOs)

Students of Civil Engineering Program will have:

1. **Analytical and Design skill:** The ability to design buildings and infrastructure to mitigate the effects of disasters and natural catastrophes like floods, earthquakes and landslides etc.
2. **Research and Innovation:** The ability to create innovative designs with new and smart materials of minimum carbon footprints.
3. **Sustainable outlook:** The skill to recognize the need for improvement in the areas of housing, water and waste management, etc. for a sustainable society.



3/3

 Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603



**Bachelor of Technology in Civil Engineering**  
**Teaching Scheme for Undergraduate Degree Programme**  
**Annexure - B**

**Annexure Professional Core & Elective Courses for Minor Degree in B.Tech. Civil Engineering**

List of Professional Core Courses										
Sem	Category	Course Code	Course Title	Hours per week			Marks			Credits
				L	T	P	Internal	External	Total	
Odd	Professional Core courses	BTCE-301-18	Surveying & Geomatics	3	1	0	40	60	100	4
Even	Professional Core courses	BTCE-401-18	Concrete Technology	3	0	0	40	60	100	3
Odd	Professional Core courses	BTCE-503-18	Construction Engineering & Management	3	0	0	40	60	100	3
Odd	Professional Core courses	BTCE-504-18	Environmental Engineering	4	0	0	40	60	100	4
Even	Professional Core courses	BTCE-601-18	Estimation & Costing and Professional Practice	3	1	0	40	60	100	4

**Professional Elective (PE) Course**

Sr.No	Semester	Programme Elective	Course Code	Course Title	Hrs/Week			Credits
					L	T	P	
1	VI (Even)	PE-1	BTCE-XXX	Elective - I	3	1	0	4
2	VI (Even)	PE-2	PECE-XXX	Elective -II	3	1	0	4
3	VII (Odd)	PE-3	PECE-XXX	Elective - III	3	1	0	4
4	VII (Odd)	PE-4	PECE-XXX	Elective - IV	3	1	0	4
5	VIII (Even)	PE-5	PECE-XXX	Elective - V	3	1	0	4
6	VIII (Even)	PE-6	PECE-XXX	Elective - VI	3	1	0	4

Board of Studies(Civil Engineering)  
IKGUJRAL Punjab Technical University

28 June,2019

1/2

Head  
Department of Civil Engineering  
IKG PTU Main Campus  
Jalandhara-15003



Bachelor of Technology in Civil Engineering  
Teaching Scheme for Undergraduate Degree Programme  
List of Professional Elective Courses for Minor Degree in B. Tech Civil Engineering

Track 1

Subject Code	Geotechnical Engineering
PECE-109	Ground Improvement Techniques

Track 2

Subject Code	Transportation Engineering
PECE-130	Transportation Economics

Track 3

Subject Code	Structural Engineering
PECE-155	Sustainable Construction Methods

Track 4

Subject Code	Environmental Engineering
PECE-164	Environmental Laws and Policy
PECE-169	Solid and Hazardous Waste Management

Note: (wide Ref. No. : IKGPTU/Reg/NF/ 2056 Dated: 17.05.2019)

1. 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.
2. The students may be allowed to take maximum two (2) subjects per semester pertaining to their minor degree.

Board of Studies(Civil Engineering)  
IKGUJRAL Punjab Technical University

28 June, 2019

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**List of Online courses for Session July-November 2019 from SWAYAM Portal for Minor and Honors Degree in Civil Engineering**

Strength of Materials	Prof. Sriman Kumar	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Core	UG	
Foundation Engineering	Prof. Kousik Dab	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	18 November 2019	Core	UG	
Concrete Technology	Prof. B Bhattacharjee	IITD	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Elective	UG	Yes
Design of Masonry Structures	Prof. Arun Menon	IITM	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Elective	Both	Yes
Design of Reinforced Concrete	Prof. Nirjhar Dhang	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Core	PG	Yes
Reinforced Concrete Road Bridges	Prof. Nirjhar Dhang	IITKGP	4 Weeks	Rerun	28-Aug-19	20-Sep-19	16 November 2019	Elective	UG	Yes
Scheduling Techniques in Projects	Prof. J. Uma Maheswari	IITD	4 Weeks	New	28-Aug-19	20-Sep-19	16 November 2019	Elective	UG	Yes
Design of steel structures	Prof. Damodar Malvi	IITKGP	12 weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019			
Structural analysis-I	Prof. Amit Shaw	IITKGP	12 weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019			
Structural Dynamics for Civil	Prof. Riya Catherine George	IITK	4 weeks	New	26-Aug-19	20-Sep-19	17 November 2019	Elective	Both	Yes
Fluid Mechanics	Prof. Subashisa Dutta	IITG	8 weeks	New	26-Aug-19	18-Oct-19	18 November 2019	Core	UG	
Principles of Construction	Prof. Sudhir Misra	IITK	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019			
Project Planning & Control	Prof. Koshiy Varghese	IITM	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Elective	UG	Yes
Integrated Waste Management	Prof. Brajesh Kumar Dubey	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Core	PG	Yes
Wastewater Treatment and Matrix Method of Structural Analysis	Prof. Manoj Kumar Tiwari	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Core/Elective	Both	Yes
Photogeology in Terrain	Prof. Amit Shaw & Prof. Biswanath Banerjee	IITKGP	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Core	UG	
Geosynthetics Testing	Prof. Javed N. Malik	IITK	8 weeks	Rerun	26-Aug-19	18-Oct-19	17 November 2019	Elective	Both	Yes
Environmental Engineering	Prof. J. N. Mandal	IITB	4 weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019	Elective	Both	Yes
Remote Sensing and Digital Image Processing of Satellite Data	Prof. J. N. Mandal	IITB	4 weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019	Core	Both	Yes
GPS Surveying	Prof. D. N. Singh	IITB	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Core/Elective	UG	Yes
Sustainable Materials and Green Remote Sensing and GIS	Prof. Arun K. Saraf	IITR	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Elective	UG	Yes
Glass In Buildings : Design And Applications	Prof. Jayanta Kumar Ghosh	IITR	4 Weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019			
	Prof. B Bhattacharjee	IITD	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Elective	Both	Yes
	Prof. Rishikesh Bharti	IITG	8 weeks	New	26-Aug-19	18-Oct-19	17 November 2019	Core	Both	Yes
	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Elective	UG	Yes
	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Elective	Both	Yes
	Prof. Manu Santhanam	IITM	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Elective	PG	Yes

*(Signature)*

  
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**PTU**

ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

ਆਈ. ਕੇ. ਗੁਜਰਾਲ, ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ  
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR  
Department of Civil Engineering

Ref. No. 1K6/CE/20/3419

Dated 10/8/2021

**MINUTES OF THE MEETING OF THE BOARD OF STUDIES (CIV/CEVS)**

An online meeting of Board of Study Civil /EVS was held on 27th July 2020 at 11.00 am

**The following members were present:**

- Dr. Rajiv Chauhan, HOD Civil Engg. IKGPTU (Chairman)
- Dr. Vijay Shankar Dogra, NIT Hamirpur (Member)
- Dr Jaspal Singh, PAU Ludhiana (Member)
- Dr Sanjay Goyal, DAVIET, Jalandhar (Member)
- Dr Chander Parkash, IKGPTU Kapurthala (Member)
- Dr Vandana Naithani, IKGPTU Kapurthala (Member)
- Dr Anshu Tomar, CGC Jhanjheri (Special Invitee)
- Dr. Rinku Walia, Department of Civil Engg. IKGPTU Hoshiarpur Campus (Coordinator)

**Agenda:**

- To discuss and finalize the scheme and syllabi of B Tech 2018 batch (7<sup>th</sup> semester onwards) for Main campus and Constituent campus
- To finalize the 3 and 4<sup>th</sup> semester syllabi for B.Voc courses
- Regarding addition of subject RPE in Ph.D course work

BOS discussed the agenda and the following decisions were made:

- (1) The scheme and syllabus of 7 and 8<sup>th</sup> semester of B.tech Civil Engg has been discussed and deliberated in detail. Two open elective and 3 professional elective will run in 7<sup>th</sup> semester.
- (2) BOS members pointed that the decision for students to go for institutional training should be decided by institute itself keeping in consideration their strength and advantage of students.
- (3) The 3<sup>rd</sup> and 4<sup>th</sup> semester scheme and syllabi of B.Voc has been also discussed. It has been decided that for two B.Voc courses i.e. B.voc (Building Construction and technology) and B.Voc (construction Technology) the scheme and syllabus will be same. This will be followed from 2<sup>nd</sup> year onwards.
- (4) The introduction of two credit course "Research and Publication Ethics" has been presented to BOS members. The BOS members appreciated the initiative taken by the university.
- (5) The Main and affiliated colleges will follow the same B.Tech, Civil Engineering scheme and syllabi of Affiliated colleges from 2021 onwards.
- (6) The subcommittee for minor degree in emerging area was proposed. Dr Sanjay Goyal and Dr Anshu Tomar will work under the guidance of Dr. Rajiv Chauhan, Chairman of BOS.

The meeting ended with the vote of thanks to the chair.

**Dr. Rajiv Chauhan**  
BOS Chairman

*"Propelling Punjab to a Prosperous Knowledge Society"*

**I. K. Gujral Punjab Technical University Main Campus**

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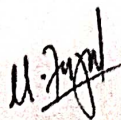
Date: 20-05-2020

The 2<sup>nd</sup> meetings of BoS (Civil Engineering) IKGPTU University Campuses under the chairmanship of chairperson, Board of Studies (Civil Engineering) was held on May 19<sup>th</sup>, 2020 at 12:00 noon to 2:00pm online through 'webex platform'. The following member were present in the meeting:

1. Dr. Rajiv Chauhan, IKG PTU Kapurthala (Chairman, BoS)
2. Dr. S K Singh, PEC University
3. Dr. Jaspal Singh, PAU Ludhiana
4. Dr. Geeta Arora, PEC University
5. Dr. Dwarika, Thappar University, Patiala
6. Dr. Maninder Singh, Punjabi University, Patiala
7. Dr. Rinku Walia, IKGPTU Hoshiarpur
8. Dr. Vijay Shankar, NIT Hamirpur
9. Dr. Rafat Siddique, Thappar University, Patiala (Outside Expert)
10. Ar. Md Fuzail Jawaid, IKG PTU Kapurthala (Coordinator, BoS)
11. Mr. Simarjit Singh, (Student Representative)
12. Er. Lonvnesh Goyal, IKG PTU Kapurthala (Special Invitee)
13. Er. Motit Talwar, IKG PTU Kapurthala (Special Invitee)

The agenda items deliberated upon and the decisions taken are as follows:

Item No.	Agenda	Decision/Remarks
2.1	To adopt the changes communicated for the uniformity of marks distribution of Mandatory Non-Credit Courses of B.Tech programmes on 2018 teaching scheme. (IKG-PTU/DA/2243 and IKG-PTU/DA/IO-1320, dated 09/12/2019 followed by IKG-PTU/DA/2316, dated 31/01/2020)	The marks distribution of Mandatory Non-Credit Courses of B. Tech Civil Engineering is adopted.  The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.
2.2	To adopt the Syllabus of Mandatory Non-Credit Course EVS-101-18 Environmental Studies (IKG-PTU/DA/1475, dated 08/02/2019 followed by IKG-PTU/DA/2316, dated 31/01/2020)	The [redacted] Non-Credit Course EVS-101-18 Env [redacted] followed by IKG-PTU/DA/2316, dated [redacted] and [redacted] in 4 <sup>th</sup> sem of B.Tech Civil Engineering. The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.



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2.3	Item 52.04.12 of the 52 <sup>nd</sup> Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 <sup>nd</sup> Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted by BoS with following remarks: *The publications must either be published or accepted in SCI, Scopus and Journals in UGC-CARE list, mere communications shall not be accepted. The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.												
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 <sup>rd</sup> Semester to B. Tech. Civil Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3<sup>rd</sup> Semester to B. Tech. Civil Engineering program</p> <p>Student who opts for B. Tech. Civil Engineering programme in 3<sup>rd</sup> Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="710 1064 1348 1590"> <thead> <tr> <th data-bbox="710 1064 901 1176">Student opting for B. Tech CE from B. Tech.</th> <th colspan="3" data-bbox="901 1064 1348 1176">Bridge /Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="710 1176 901 1265">Computer Science Engineering</td> <td data-bbox="901 1176 1053 1590" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1053 1176 1204 1489" rowspan="5">BTPH101-18 (Theory) BTPH111-18 (Laboratory)</td> <td data-bbox="1204 1176 1348 1489" rowspan="5">Not applicable</td> </tr> <tr> <td data-bbox="710 1265 901 1332">Computer Engineering</td> </tr> <tr> <td data-bbox="710 1332 901 1400">Electrical Engineering</td> </tr> <tr> <td data-bbox="710 1400 901 1467">Mechanical Engineering</td> </tr> <tr> <td data-bbox="710 1467 901 1590">Electronics and Communication Engineering</td> </tr> </tbody> </table> <p data-bbox="710 1590 1356 1937">                     i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course                      ii) The Bridge /Additional course will be evaluated by the concerned teacher allocated the said course thought internal evaluation at department/college/constituent campus level.                      iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.                      iv) The student opting for change of branch must qualify the course within one year of change of branch.                 </p>	Student opting for B. Tech CE from B. Tech.	Bridge /Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH101-18 (Theory) BTPH111-18 (Laboratory)	Not applicable	Computer Engineering	Electrical Engineering	Mechanical Engineering	Electronics and Communication Engineering
Student opting for B. Tech CE from B. Tech.	Bridge /Additional courses													
Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH101-18 (Theory) BTPH111-18 (Laboratory)	Not applicable											
Computer Engineering														
Electrical Engineering														
Mechanical Engineering														
Electronics and Communication Engineering														

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		<p>v) The department/college/constituent campus shall issue a certificate that the student has passed the Bridge /Additional course.</p> <p>vi) Upon certification of passing audit/qualifying course the earlier issued result notification/s and DMCs of the concerned student shall be cancelled and the Examination Department of IKGPTU shall issue new result notification and DMCs as per upgraded curriculum with same number of credits.</p> <p>The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.</p>
2.5	To invite representative of TCS-ion to present detailed presentation of the subjects proposed for B.Tech. in Electrical Engineering. The presentation to include: a) The proposed subjects for B.Tech in Civil Engineering, outcomes and infrastructure. b) If any training for B.Tech in Civil Engineering is being undertaken by TCS-ion in any college or University, should be elaborated with viability.	The BOS did not find the item to be in its scope as the communication is not addressed for B.Tech. in Civil Engineering.
2.6	Item 52.08 of the 52 <sup>nd</sup> Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 <sup>th</sup> /8 <sup>th</sup> semester (Not available in model curriculum of AICTE)	Item 52.08 of the 52 <sup>nd</sup> Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 <sup>th</sup> /8 <sup>th</sup> semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS(CE) leaves the option for the student/ Institute/Department to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7 <sup>th</sup> or 8 <sup>th</sup> Semester (Subject to approval from Competent Authority). In case of Industrial Training, it must be in a company of repute.

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2.7	Changes in draft of syllabus of 3 <sup>rd</sup> and 4 <sup>th</sup> year on account of above Item 2.5 & 2.6	<p>On account of Item 2.6, the BoS discussed, revised and approved with minor modifications:</p> <p>(a) The teaching scheme of 3<sup>rd</sup> year B.Tech in Civil Engineering programme.</p> <p>(b) The syllabus of 5<sup>th</sup> Semester B. Tech in Civil Engineering programme. Some of the subjects have been assigned to members with expertise for further deliberation, which will be communicated to Chairman, BoS within this week for further actions.</p> <p>(c) The draft of teaching scheme of 4<sup>th</sup> year B.Tech. in Civil Engineering programme to be prepared later.</p> <p>The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.</p>
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Civil Engineering programme.	<p>(a) The BoS accepted the Course Title, Course code, of courses of Humanities and Social Sciences including Management for B.Tech in Civil Engineering as communicated by the University.</p> <p>(b) The BoS proposed to adopted the syllabus of respective courses given in the "AICTE model curriculum for UG Courses Volume-II , January 2018". It was observed that Course Outcomes need to be included. The concerned BoS to provide the syllabus and COs.</p> <p>The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Civil Engineering for the session January-May 2020.</p> <p>B. Action on letter regarding MOOCs courses Reference no. IKGPTU/DA/2355, dated 06/032020.</p>	<p>A. From the available relevant on-line SWAYAM/ MOOCS courses for the session January-May 2020, the list of the SWAYAM/ MOOCS courses to be considered for Minor degree in Civil Engineering is approved.</p> <p>The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Civil Engineering for each semester, the Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to identify the course and forward the list to the office of Dean Academics two weeks before the commencement of the</p>

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Kharar, Punjab - 141 002

Receipt No : 24189/2020/Dept of Civil Engineering

		semester and take post-facto approval in the next meeting of the BoS.
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Civil Engineering for the session January-May 2020.</p> <p>B. Action on letter regarding MOOCs courses Reference no. IKGPTU/DA/2355, dated 06/032020.</p>	<p>A. From the available relevant on-line SWAYAM/MOOCs courses for the session January-May 2020, the list of the SWAYAM/ MOOCs courses to be considered for Honors Degree in Civil Engineering is approved. The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Civil Engineering for each semester, the Members of BoS authorize.</p> <p>Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to identify the course and forward the list to the office of Dean Academics two weeks before the commencement of the semester and take post-facto approval in the next meeting of the BoS.</p>
2.11	<p>Students pursuing Major Degree in Civil Engineering (Batch 2018 onwards) can only do Minor degree in Electronics and Mechanical Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/2020)</p>	<p>(a) Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2 the BoS recommended that for Batch 2018 and onwards the students opting for Major degree in B. Tech. Civil can only do Minor Degree in Electronics and Mechanical Engineering</p> <p>(b) The BoS(ECE) and BOS(ME) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electronics and Mechanical Engineering.</p>
2.12	<p>Procedure for (a) Minor Degree (b) Honors Degree</p>	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3<sup>rd</sup> semester.</p> <p>(b) Students having <b>minimum 7.5 (out of 10) CGPA</b> and <b>no backlog</b> up till 3<sup>rd</sup>/4<sup>th</sup> Semester will be eligible for opting for Honors Degree in B. Tech. Civil Engineering in the 5<sup>th</sup> Semester.</p>

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		<p>From the available relevant on-line SWAYAM/MOOCs courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS.</p> <p>The number of credits for SWAYAM/MOOCs courses for Minor degree in in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCs course.</p> <p>The following step are proposed to be followed for credits earned through SWAYAM/MOOCs courses:</p> <ol style="list-style-type: none"> <li>i) For each semester the student to take up online SWAYAM/MOOCs courses approved by the BoS.</li> <li>ii) Student to take permission (written) from Constituent Campus/ Department for registration.</li> <li>iii) On successful completion of each SWAYAM/MOOCs in each semester the student to submit self-attested copy of certificate (on-line/hard) to Constituent Campus/ Department.</li> <li>iv) The Constituent Campus/ Department to verify the certificate and there after Constituent Campus/ Department to convey to the Examination Branch through the office of Dean Academics.</li> <li>v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme.</li> </ol> <p>In case of non-availability of SWAYAM/MOOCs courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme (c) The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p>
2.13	<p>Notification "Regarding New Programme", Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Building Construction and Technology of 03 Years duration</p>	<p>Not to be considered for the Main/Constituent campus BoS</p>
2.14	<p>On account of the lockdown since March</p>	<p>The BoS(CE) deliberated upon the various modalities of conduct of online examination such as duration and weightage</p>

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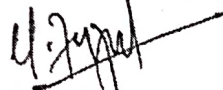
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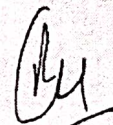
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Kourthala-141602

<p>2020 due to Covid-19 pandemic, the change of pattern of Question paper and Propose the Names of Paper Setters for each subject. Ref. No. e-file I-15/534/2020-COE, received through email on 11th may 2020</p>	<p>of examinations, award of pass/fail, open book exam, etc. and to overcome the shortcomings such as internet connectivity, methods to check Unfair Means, multiple gadgets use, etc. The BoS (CE) recommended that the final decisions for conduct of examinations may be taken up by Controller of Examinations/Academic Council/other competent authority.</p> <p>The BoS (CE) accepted the procedure for paper setters as proposed and necessary information of Paper Setters from the respective institute of each BoS member to be conveyed to Chairman BoS(CE) within two working days.</p>
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→ Consent was taken via e-mail from all the members for approval of MoM.

  
Ar. Md. Fuzail Jannid  
Coordinator Bos(Civil Engg)  
IKGPTU Main Campus.

  
Dr. Raju (Chairman)  
B.O.S, Chairman  
IKGPTU, Main Campus.

 Head  
Department of Civil Engineering  
IKGPTU Main Campus  
Kapurthala-144603

Ref. No. IKGPTU/CE/3196

Dated 12/02/2021

**Minutes of Meeting**

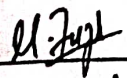
The online Meeting of Board of Studies (Civil Engineering Main and Constituent Campuses) was held on 28<sup>th</sup> of January 2021 (Thursday) at 11:30 Am.

The following members were present in the meeting

1. Dr. Rajiv Chauhan, IKG PTU Kapurthala (Chairman, BoS)
2. Dr. Jaspal Singh, PAU Ludhiana
3. Dr. Vijay Shankar, NIT Hamirpur
4. Dr. Ravi Kumar, NIT Hamirpur
5. Dr. D Nath, Thapar University, Patiala
6. Dr. Maninder Singh, Punjabi University, Patiala
7. Dr. Rinku Walia, IKGPTU Hoshiarpur
8. Dr. Rafat Siddique, Thappar University, Patiala (Outside Expert)
9. Ar. Md Fuzail Jawaid, IKG PTU Kapurthala (Coordinator, BoS)
10. Er. Harmandeep Kaur, IKG PTU Kapurthala (Special Invitee)
11. Er. Motit Talwar, IKG PTU Kapurthala (Special Invitee)

1. T [Redacted] Main and Constituent campuses for 2019-20
2. T [Redacted] to be [Redacted] up [Redacted] of [Redacted]
3. Th [Redacted] India

Course to be close to 160 credits for as per recommendation of AICTE. (continued..)



"Propelling Punjab to a Prosperous Knowledge Society"



**I. K. Gujral Punjab Technical University Main Campus**

Jalandhar-Kapurthala Highway, Kapurthala-144 603

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Department of Civil Engineering  
IKG PTU Main Campus  
Kapurthala-144603

Head  
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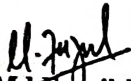
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4. The Board also discussed the scheme of 7<sup>th</sup> & 8<sup>th</sup> semester of B.Tech Civil Engineering with provision of Internship and coursework in 8<sup>th</sup> semester, which will be taken up in detail in the subsequent meeting of BOS.
5. The Board proposed Introduction of Minor degree in Smart City Infrastructure and Geo-Environmental Engineering from the session 2021-22 onwards, the details of which will be discussed in the subsequent meeting.
6. The Board members unanimously agreed to introduce of M. Tech (Geotechnical Engineering) and M. Plan (Urban & Regional Planning) in the Main Campus from 2021-22 sessions onwards and adopt the already finalized syllabus being offered by IKG-PTU in constituent campus/affiliated colleges. The proposal for the same will be sent by the concerned department for necessary actions.

The meeting ended with vote of thanks by the chairperson.

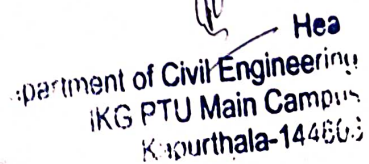
→ The consent of the members present in the online meeting has been taken via e-mail.



Ar. Md Fuzail Jawaid  
Coordinator BoS



Dr. Rajiv Chauhan  
Chairperson BoS



Head  
Department of Civil Engineering  
IKG PTU Main Campus  
K. J. P. Thala-144603



ਆਈ. ਕੇ. ਗੁਜਰਾਲ ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ

ਆਈ. ਕੇ. ਗੁਜਰਾਲ, ਪੰਜਾਬ ਟੈਕਨੀਕਲ ਯੂਨੀਵਰਸਿਟੀ ਜਲੰਧਰ  
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR  
Department of Civil Engineering

Ref. No. IKGPTU/CE/3419

Dated 10/8/2021

**MINUTES OF THE MEETING OF THE BOARD OF STUDIES (CIVIL/EVS)**

An online meeting of Board of Study Civil /EVS was held on 27th July 2020 at 11.00 am

The following members were present:

- Dr. Rajiv Chauhan, HOD Civil Engg. IKGPTU (Chairman)  
Dr. Vijay Shankar Dogra, NIT Hamirpur (Member)  
Dr Jaspal Singh, PAU Ludhiana (Member)  
Dr Sanjay Goyal, DAVIET, Jalandhar (Member)  
Dr Chander Parkash, IKGPTU Kapurthala (Member)  
Dr Vandana Naithani, IKGPTU Kapurthala (Member)  
Dr Anshu Tomar, CGC Jhanjheri (Special Invitee)  
Dr. Rinku Walia, Department of Civil Engg. IKGPTU Hoshiarpur Campus (Coordinator)

**Agenda:**

- To discuss and finalize the scheme and syllabi of B Tech 2018 batch (7<sup>th</sup> semester onwards) for Main campus and Constituent campus
- To finalize the 3 and 4<sup>th</sup> semester syllabi for B.Voc courses
- Regarding addition of subject RPE in Ph.D course work

BOS discussed the agenda and the following decisions were made:

- (1) The scheme and syllabus of 7 and 8<sup>th</sup> semester of B.tech Civil Engg has been discussed and deliberated in detail. Two open elective and 3 professional elective will run in 7<sup>th</sup> semester.
- (2) BOS members pointed that the decision for students to go for institutional training should be decided by institute itself keeping in consideration their strength and advantage of students.
- (3) The 3<sup>rd</sup> and 4<sup>th</sup> semester scheme and syllabi of B.Voc has been also discussed. It has been decided that for two B.Voc courses i.e. B.voc (Building Construction and technology) and B.Voc (construction Technology) the scheme and syllabus will be same. This will be followed from 2<sup>nd</sup> year onwards.
- (4) The introduction of two credit course "Research and Publication Ethics" has been presented to BOS members. The BOS members appreciated the initiative taken by the university.
- (5) The Main and affiliated colleges will follow the same B.Tech, Civil Engineering scheme and syllabi of Affiliated colleges from 2021 onwards.
- (6) The subcommittee for minor degree in emerging area was proposed. Dr Sanjay Goyal and Dr Anshu Tomar will work under the guidance of Dr. Rajiv Chauhan, Chairman of BOS.

The meeting ended with the vote of thanks to the chair.

Dr. Rajiv Chauhan  
BOS Chairman

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