1.1.3 & 1.2.1

Supporting Documents- IKG PTU Campus, Hoshiarpur

MOMs Highlighting Employability Courses_1.1.3 and Approved MOMs of BOS/ Academic Council Highlighting the Name of New Courses Introduced_1.2.1

Minutes of the Meeting.

The 2nd Meeting of BOS Aeronautical Engineering was held on May 11, 2012 at 1400 Hrs. in PTU's Mohali campus.

The following members attend the meeting:

(1) Prof. Y.S. Chauhan, (Chairman)
(2) Prof. R. S. Sharma, (Member)
(3) Prof. S.C. Rajvanshi, (Spl. Invitee)
(4) Prof. Kishori Lal, (Member)
(5) Er. Sheetal Bali, (Spl. Member)
(6) Ms. Gazal Sharma, (Convener)

The board took the agenda and decided the following:

(1) The scheme of 7th & 8th semester of B.Tech Aeronautical Engineering for Batch 2010 was discussed extensively and was finalized & approved.

(2) The contents that were submitted as proposed syllabus for 7th & 8th semester were finalized and approved.

(3) The final scheme and syllabus of B.Tech Aero Batch 2010 will be submitted by Dr. S.C. Rajvanshi to the chairman.

(4) The scheme for Batch 2011 will be finalized as per the norms formed in the next meeting.

(5) The tentative date of the next meeting of BOS will be in the last week of June 2012.

Prof. Y.S. Chauhan — Prof. R. S. Sharma — Prof. S. C. Rajvanshi

Prof. Kishori Lal — Er. Sheetal Bali — Gazal Sharma

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Er. Gagan Sharma

Minutes of meeting of BOS (Mech.) held on 27.6.2012 at GNDEC, Ludhiana

The following members were present at the meeting:

Dr. Sehijpal Singh (Chairman)

Dr. R.P.Singh Suker-Chakia

Dr. S.S.Jolly

Prof. Pardeep Jindal

Dr. H.S. Shan

Dr. R.S.Bhatti

Dr. Hajoor Singh

Invitee members

Apologies for absence were received from the following members:

Dr. R.K.Awasthi

Dr. Harpreet Singh

Dr. R.S.Walia

CII Representative, Chandigarh

Dr. A.K Manna

Dr. Dilbagh Singh

Dr. Paramjit Singh

Dr. Balwinder Singh

The chairman welcomed the board members and the agenda items were taken up.

The following are the record of proceedings of the Board:-

1. The schemes of 3rd and 4th semester B.Tech. (Mech) and B.Tech. (Prod) for 2011 admission batch were taken up. The schemes prepared in the previous meeting were discussed in the light of some minor observations from PTU. The schemes were finalized by incorporating minor changes as per the observations from PTU. The revised schemes are attached as Annexure –A

2. Regarding the draft scheme B.Tech (Automation and Robotics), the following observations were made:

   - The draft scheme contains around 70% subjects belonging to core Mech. Engg. To make it specialized course, more subjects with focused coverage need to be designed. The draft scheme and course contents require thorough revision.
   - The members were of unanimous opinion that undergraduate degree programs with such narrow specializations may not be encouraged as the scope of employability of the students with such degrees gets too much narrowed down. It was stated that in the past also, such specialized undergraduate degree programs could not be so successful in spite of the fact that these were stated in reputed institutions like Thapar, Govt. Engg Colleges at Bathinda and Ferozpur.

3. The members who were requested in the last meeting to prepare the revised syllabii of 5th to 8th sem of B.Tech (Mech) and B.Tech (Prod) were reminded to expedite the work.

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

(Contd...)

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Dr. H.S.Shan

Dr.R.P.Singh Suker-Chakia

Dr. Sehijpal Singh

Dr. S.S.Jolly

Dr. R.S.Bhatti 27/6/12

Dr. Hajoor Singh 27. 6. 12

Prof. Pardeep Jindal 27/6/12

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2/2

Punjab Technical University
Minutes of Meeting

A meeting of Board of Studies Mechanical Engineering was held on 30 August, 2012 at 1000 hrs in the Department of Mechanical Engg. Guru Nanak Dev Engg. College, Ludhiana.

The following member attend the meeting :

1. Dr. Sehijpal Singh, HoD Mech. Deptt. GNDEC (Chairperson)
2. Dr. P.S.Bilga, Associate Professor, GNDEC (Member BOS)
3. Mr. Sushil Seli (Special Expert Industrial)
4. Mr. Hardeep Singh (Special Expert Industrial)
5. Mr. Ajay Singh Rana, Associate Professor LCET Lud. (Special Expert)
6. Mr. Raman Kumar, Assitt. Prof. LCET Lud. (Special expert)

The board took the Agenda and made the following recommendations :

1. The scheme of 3rd to 8th Semester of B.Tech Automobile Engg. was finalized for Batch 2011 onwards. The copy of the same is enclosed as Annexure-A.
2. The Syllabus of 3rd semester of B.Tech Automobile Engg. was finalized for Batch 2011 onwards. The copy of the same is enclosed as Annexure-B.
3. The syllabus of Engg Mechanics of B,Tech (Automation and Robotics) was discussed and shall be sent to PTU with in one week.

The meeting ended with the votes of thanks.

(Dr. Sehijpal Singh) **(Dr. P.S.Bilga)** 30/8/2012 **(Sushil Seli)**

(Hardeep Singh) **(Ajay Singh Rana)** **(Raman Kumar)**

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

Minutes of meeting of BOS (Mech.) held on 27.4.2013 at GNDEC, Ludhiana

Following members attended the meeting:

Dr. Sehijpal Singh, Chairman

Dr. R.P.Singh Suker-Chakia, Past-Chairman

Dr. H.S.Shan, Member

Dr. P.S Bilga, Member

Dr. S.S.Jolly, Member

Dr. A. Manna, Member

Dr. Balwinder Singh Sidhu, Member

Prof. Pardeep Jindal, Member

Dr. R.K.Awasthi, Member

Dr. Dilbagh Singh, Member

Dr. R.S.Bhatti, special invitee

Prof A.S Rana, special invitee

Dr. Harish Pungotra, , special invitee

Mr T.P Singh Representative from Gulzar Institute of Engg and Tech and

Mr. S. Saha, Representative Baba Banda Singh Bahadar College of ENGG and Technology,

Following members could not attend the meeting:

Dr. Harpreet Singh

Dr. R.S.Walia

Dr. Hajoor Singh, Member

Following decisions were taken:-

1. The schemes of B.Tech (Mech) and B.Tech (Prod) for 2011 admission batch ware discussed and finalized. The copy will be sent to members by chairman

27/4/13 27/4 27/04/13 27/4/2013

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IKGPTU CAMPUS HOSHIARPUR

2. The draft of the syllabi of 5th semester B.Tech (Mech) subjects was thoroughly discussed. On the basis of deliberations made, the subject contents were finalized. This is given in Annexure-A

3. The syllabi of 5th and 6th Sem B.Tech (Prod) shall be finalized in the next meeting of **BOS**. Dr. Dilbagh Singh will coordinate with Prod Engg Dett of GNDEC to prepare the draft of syllabi.

4. The scheme of B.Tech (Automation and Robotics) was discussed. The modifications suggested by the members were incorporated. The syllabi of 5th sem were discussed. On the basis of discussion the revised contents shall be prepared by GIET representative and sent to the chairman. The syllabi will be get approved by circulation among the members.

5. The issue of duration of degree of B.Tech (TQM) offered at Gian Jyoti Institute was postponed for the nest meeting of BOS.

6. The scheme of M.Tech (Mechatronics and Robotics) was discussed and modified. The detailed syllabi of 2nd sem shall be prepared by BBSBEC representative and sent to chairman. The syllabi will be get approved by circulation among the members.

Dr. Sehijpal Singh

Dr. R.P.Singh Suker-Chakia 27.4.13

Dr. H.S.Shan 27/4/13

Dr. P.S Bilga 27/4/2013

Dr. S.S.Jolly 27/4

Dr. A.Manna 27/4/2013

Dr. Balwinder Singh Sidhu 27/04/13

Prof. Pardeep Jindal 27/4/13

Dr. R.K.Awasthi 27/4/13.

Dr. Dilbagh Singh 27/04/2013

Dr. R.S.Bhatti

Prof A.S Rana 27/4/13

Dr. Harish Pungotra 27/4/13

Prof T.P Singh, GIET 27/4/13

Prof S. Saha, BBSBEC

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Punjab Technical University

Date: 12-07-2013

Meeting of the **BOS of Mechanical Engineering/Production Engineering/Industrial Engineering** was held at GNDEC, Ludhiana on 12-07-2013. Following BOS members were present ;

1. Dr. Sehijpal Singh
2. Dr.R.P.S.Sukerchakia
3. Dr.S.S.Jolly
4. Dr. Balwinder Singh
5. Dr.Dilbag Singh
6. Dr. Alakesh Manna
7. Dr. Hazoor Singh
8. Dr. P.S.Bilga
9. Dr. R.K.Awasthi
10. Er.Pardeep Kumar
11. S.Gaganjot Singh

The BOS has taken following decisions

1. The scheme of B-tech (Mechanical) was discussed. The draft scheme has been slightly modified and approved. Final copy of the approved Scheme is attached as Annex.-I. Detailed contents of the syllabus were also approved with minor revisions. Copy of the same shall be sent to PTU by the Chairperson (BOS) by 18-07-2013
2. The scheme of B-Tech (Production) was discussed and approved. Final copy of the Scheme is attached as Annex.-II. The contents of syllabus were also approved with minor additions / deletions. Copy of the same shall be sent to PTU by the Chairperson (BOS) by 18-07-2013.

Meeting ended with a vote of thanks to the chair

Dr. Sehijpal Singh | Dr.R.P.S.Sukerchakia July 12 '2013 | Dr.S.S.Jolly 12/7/13

Dr. Balwinder Singh 12/07/13 | Dr.Dilbag Singh 12/07/13 | Dr.Alakesh Manna 12/7/13

Dr.Hazoor Singh | Dr.P.S.Bilga 12/7/2013 | Dr.R.K.Awasthi 12/7/13

Er.Pardeep Kumar 12/7/13 | S.Gaganjot Singh 12/7/2013

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PGPTU CAMPUS KHOSHLA PUR

Punjab Technical University Jalandhar

Minutes of Meeting of the Board of Studies (Mechanical Engineering/ Production Engineering/ Industrial Engineering) held at Committee room, Guru Nanak Dev Engineering College Ludhiana on October 12th 2013.

Following Member were present in the meeting :

1. Dr. Sehijpal Singh, Chairperson
2. Dr. RPS Sukerchakia, Ex-Chairperson
3. Dr. Parmjit Singh, Member
4. Er. Pardeep Jindal, Special Member
5. Dr. Kirpal Singh, Expert
6. Dr. Y.N.Gupta, Special invitee
7. Dr. S.S.Ahuja, Special invitee
8. Dr. H.S.Payal, Special invitee
9. Representative Dr. Rohit Moudgil- Dr. Vijay GGI Khanna, Special invitee
10. Representative Er. AP Sharma STR-Er. Jagdeep Singh, STR Ldh., Expert

The Board has taken following decisions :

1) It is observed that there are lot of ambiguities and mistakes in almost all the subjects of B.Tech (Automobile Engg). A workshop need to be organized immediately to finalize the contests of subjects of the running semester (5th Sem). LCET Katani Kalan shall organize this workshop by calling subject experts with in one week & submit the syllabus of 5th semester to BOS for final approval. The approval of BOS will be taken by circulating the copy of revised syllabus.
2) The proposed scheme of B.Tech (Tool Engg) was discussed. It is not acceptable in its present form. Prof. H.S.Payal was suggested that the scheme of B.Tech (Tool Engg) and contest of 3rd and 4th semester subjects should be prepared in the light of suggestions/ recommendation made by BOS members/experts.
3) The contents of 6th semester of B.Tech (Automation and robotics) subjects were discussed. Mr. Pardeep Jindal shall coordinate to revise the contents in the light of recommendation and modifications suggested by the experts. The approval of BOS will be taken by circulation of the revised contents.

Meeting ended with a vote of thanks to the chair.

Dr. Kirpal Singh | Dr. RPS Sukerchakia 12.10.13 | Dr. Parmjit Singh 12/10/2013

Er. Pardeep Jindal 12/10/13 | Dr. Y.N.Gupta | Er. Jagdeep Singh 12/10/13

Dr. S.S.Ahuja 12/10 | Dr. H.S.Payal 12/10/13 | Dr. Vijay

Dr. Sehijpal Singh 12.10.13
Chairman

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

Punjab Technical University

Date: 23/01/2014

(Minutes of meeting)

Board of Studies of Mechanical Engineering/ Production Engineering/ Industrial Engineering

The meeting of Board of Studies in Mechanical Engineering/ Production Engineering/ Industrial Engineering was held in the Conference Room of GNDEC, Ludhiana on 23rd January, 2014 at 11:00 am. The following members were present in the meeting

Dr. Sehijpal Singh, Department of Mech Engg., GNDEC Ludhiana
Dr. R.P.S. Sukerchakia, Director Adesh Instt. of Engg. & Tech. Faridkot
Dr. S. S. Jolly, M M U Sadopur, Ambala
Dr. Balwinder Singh, Department of Mechanical, GZS CET, Bathinda
Dr. Paramjit Singh, Department of Mechanical GNDEC Ludhiana
Dr. Alakesh Manna, PEC- University of Technology, Chandigarh
Mr. Dr. Rajbir Singh Bhatti, SBS STC, Ferozepur
Mr. S.S Dhami, NITTTR Chandigarh
Mr. Vishawjit Singh, PAU Ludhiana
Dr. S.S.Ahuja, LCET, Katani Kalan
Mr. Manjeet Singh, AP, CGI Khanna
Mr. Kulwinder Singh, AP, CGI, Khanna
Mr. Gaganjot Singh, Assistant Registrar, PTU

The Board has taken the following decisions:

(1). **The Syllabus** and **Scheme of** B.Tech Automobile Engg, Batch 2011 (Semester 6th & 7th/ 8th) .& B.Tech Automation & Robotics (Semester 6th & 7th/ 8th) was discussed and finalized. The finalized Scheme and Syllabus will be sent by the Chairperson, BOS to the University within a week.

Observation: Henceforth when ever any Subject, Syllabus or Scheme for a specific Semester is to be scrutinized/improved or changes are to be brought in and it is to be subsequently approved by any BOS of PTU, the Institution concerned **must** submit their **Proposal** ***at least one Semester*****, in advance.**

Over the last few years, it has been recurringly observed that the *Institutions concerned* ***willfully or just casually*** and ***by default*** approach the University only in the "*ongoing current same specific* ***Semester*** *for which the changes/amendments are sought*" and then the **Institution representatives** keep on ***requesting*** and ***pressing*** that no major changes be brought in the Scheme/Syllabi proposed by them since the Scheme/Subjects (*Course Contents*) are now already being taught by them in their Classes, and hence they request for the minimum changes in the "Scheme/Syllabi" proposed by them.

This virtually **puts down** and **clamps down** the hands of **BOS** to bring **suitable, rational** and **relevant drastic changes** which might be **essential requirements** of the day. The **irrelevant syllabi**

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happen to *mismatch* with the *current requirements* and *trends* in the **specific Industry**. Consequently, the students are the **worst sufferers** who face gross problems and difficulties in their **placements**. All **BOSs** and **affiliated Colleges** may please be issued relevant **Instructions/Office Orders** for necessary appropriate action, in future.

(3). It is recommended that following ***nomenclature*** may please be adopted for awarding the ***M.Tech.*** ***Degrees:***

M.Tech.Mechanical (**Specialization in----------).

**- mention the name of the specialization, e.g: *M.Tech.Mechanical (Production Engineering)*

Meeting ended with a vote of thanks to the Chair.

23/01/2014

Dr. Sehijpal Singh **Dr. R.P.S. Sukerchakia** **Dr. S. S. Jolly** **Dr. Balwinder Singh**

23/01/2014 23/1/2014 23/01/2014 23/01/2014

Dr. Paramjit Singh **Dr. Alakesh Manna** **Dr. Rajbir Singh Bhatti** **Dr. S.S Dhami**

23/1/14 23/1/14 23/1/14

Dr. Vishawjit Singh **Dr. S.S.Ahuja** **Mr. Manjeet Singh** **Mr. Kulwinder Singh**

23/1/14

Mr. Gaganjot Singh

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Minutes of the Meeting

A meeting of BOS Mechanical Engg. was held in the Department of Academics, PTU on February 21st, 2012 at 1030 Hrs.

The following members attend the meeting:

1. **Dr. Sehijpal Singh** *Department of Mech Engg., GNDEC Ludhiana*
2. **Dr. R. K. Awasthi** *Department of Mechanical Engineering, BCET, Gurdaspur*
3. **Dr. H.S. Shan** *Retd. Professor of IIT Roorkee*
4. **Dr. Balwinder Singh** *Department of Mechanical, GZS CET, Bathinda*
5. **Dr. Dilbagh Singh** *Department of Mechanical, BCET, Gurdaspur*
6. **Dr. Alakesh Manna** *PEC- University of Technology, Chandigarh*
7. **Dr. Ravinder Singh Walia** *PEC- University of Technology, Chandigarh*
8. **Dr. Hazoor Singh** *Associate Professor, YCoE, Talwandi Saboo.*
9. **Ms. Gazal Sharma,** *Convener, Board of Studies, PTU*

The following could not attend the meeting:

1. **Dr. R.P.S. Sukerchakia** *Prnicipal, Khalsa College of Engg. & Tech. Ranjit Avenue, Amritsar*
2. **Dr. S. S. Jolly** *Shri Balaji Group of Institutions, Bhedpur, Patiala.*
3. **Dr. Paramjit Singh** *Department of Mechanical GNDEC Ludhiana*
4. **Dr Harpreet Singh** *Assistant Professor, IIT, Rorkee*
5. **Mrs. Kamna Raj Aggarwala, President, Punjab State, Confederations of Indian Industries Chandigarh**
6. **Mr. Pardeep Randhawa** *Executive Director, Sigma Vibracoustic (Inida) Pvt. Ltd.*

The board took the agenda and made the following recommendations:

1. **The contents of syllabus of various subjects of 3rd and 4th semesters were discussed and finalized. In the light of deliberations made, final and edited version of the syllabii shall be sent to Chairman as per the following details:**
   a. **TOM-I and TOM-II (Theory and Lab) by Dr. Balwinder Singh**
   b. **SOM-I and SOM-II (Theory and Lab) by Dr. R.K. Awasthi**
   c. **MP-I and MP-II (Theory and Lab) by Dr. Dilbagh Singh**
   d. **AT-I and AT-II (Theory and Lab) and CAD (Lab)by Dr. Sehijpal Singh**
   e. **Materials and Metallurgy (Theory and Lab) by Dr. Dilbagh Singh**
2. **The syllabii of two subjects ; Solar Thermal Energy utilization ENE 505, Energy Auditing-conservation and Management ENE 509 of M. Tech (Energy) were approved as proposed (Annexure-A)**

Dr. Sehijpal Singh	**Dr. Balwinder Singh**	**Dr. R. K. Awasthi**	**Dr. H.S. Shan**	**Dr. Dilbagh Singh**
Dr. Alakesh Manna	**Dr. Ravinder Singh Walia**	**Dr. Hazoor Singh**	**Ms. Gazal Sharma**	

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IKGPTU CAMPUS HOSHIARPUR

Minutes of meeting of BOS (Mech) held on 20.4.2012 at GNDEC Ludhiana

Following members attended the meeting:
Dr. R. P Singh Suker chakia
Dr. H.S Shan
Dr. Sehijpal Singh
Dr. Parmjit Singh
Dr. Dilbag Singh
Dr, A. Manna
Dr. S.S Jolly
Dr. Balwinder Singh
Dr. R.S Bhatti
Prof A.S Rana
Prof. Pradeep Jindal

Following members could not attend the meeting
Dr. R.K Awasthi
Dr. Harpreet Singh
Dr. Hazoor Singh
Dr.R.S Walia
CII Representative, Chandigarh

Following decisions were taken:

1. The scheme and syllabus of 3rd and 4th semester of B.Tech (Mech), B.Tech (Prod) were finalized. (Annexure-1). The revised schemes shall be applicable for 2011 admission batches.

2. The revised schemes for 5th semester onwards for B.Tech (Mech) and B.Tech (Prod) have also been finalized (Annexure-1). As regards to revision and modification of the contents of syllabii for various subjects following duties have been assigned:

Mech Engg

Machine Design I and II, Mechanical Vibration- Dr. S.S Jolly and Dr. R.K Awasthi
Industrial Automation and Robotics- Dr.R.S Bhatti
Fluid Machinery, Heat transfer, Ref. and air conditioning- Dr. P.S Bilga
Mech Measurement and Metrology- Dr. Dilbag Singh
Numerical methods in Engg, Industrial Engg. and management- Dr. Sehijpal Singh
CAD and CAM- Pardeep Jindal

Prod Engg

Jig fixture and Tool design, Non Traditional Machining Metal Forming, Operations Research, Machining science, Tool and cutter design, Machine Tool design- Dr Sehijpal Singh and Prof J.S Grewal

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Welding tech Engg metrology, Inspection. Quality Control- Dr Balwinder singh

CIM- Pardeep Jindal

3. As regards to equivalence of a degree of a foreign University (UK) for admission into M.tech of PTU, It is observed that there is lot of difference in the number of subjects and their contents. This degree cannot be considered equivalent to that of PTU degree.

4. In reference to letter No PTU/DA/4625 dated 21/2/2012 regarding the equivalence of syllabus of a course Automated Systems and Robotics of Dunwoody College of Engineering, Minneapolis with that of B.Tech 1st year of PTU, it is observed that due to missing of major subjects like Engg Drawing, Physics, Chemistry and Human value and ethics, the course cannot be considered as equivalent to that of 1st year B.Tech of PTU to get admission in 2nd year.

5. The course B.tech Automation and Robotics Engg. Following comments must be incorporated in 3rd and 4th sem .

A) Subject BTAR 209 & 211 in the 3rd semester looks out of place for a specific B.Tech course like Automation & Robotics.

B) Right from 3rd semester onwards the courses looks more oriented for towards electronics, which gives it a CONTROL focus. The DESIGN focus looks slightly removed. For instance, the subject of EDLC (BTAR 213), EMI (BTAR205), EDDC (BTAR 203) in 3rd semester look one focused. It would be better if 3rd semester has basic course on TOM, or on Automation (in MFG).

C) BTAR 208 in 4th semester may be shifted to the 3rd semester.

Even BTAR 218 should go to the 3rd semester. These con be interchanged with BTAR 205 & BTAR 203.

D) BTAR-314 & BTME-103 look reptetive . It is desirable that BTAR314 have a SIMULATION focus rather than a CADD focus (because this is not B.Tech in M.Tech or Electronic Engg.)

E) Experts who have originally designed this curriculum may be invited for a joint session with the undersigned for clarification about other semester also.

The revised scheme in the light of above mentioned comments should be put up to BOS for final approval

For rest of the scheme, another meeting of BOS with representative of the concerned institution is required.

The meeting ended with thanks to chair

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IKGPTU CAMPUS HOSHIARPUR

Dr. R.P Singh Sukerchakia 20/4/12

Dr. H.S Shan

Dr. Sehijpal Singh

Dr. Parmjit Singh 20/04/2012

Dr. Dilbag Singh 20/4/12

Dr. A. Manna 20/4/2012

Dr. S.S Jolly

Dr. Balwinder Singh

Dr. R.S Bhatti

Prof A.S Rana

Prof. Pradeep Jindal 20/4/12

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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	Couse 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

28 June,2019

Board of Studies(Civil Engineering)
IKGUJRAL Punjab Technical University

DEPUTY DIRECTOR
IKGPTU CAMPUS KAPURTHALA

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.

28 June,2019

Board of Studies(Civil Engineering)
IKGUJRAL Punjab Technical University

DEPUTY DIRECTOR
IKGPTU CAMPUS MOHALI

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 Deb	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 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	26-Aug-19	20-Sep-19	16 November 2019	Elective	UG	Yes
Scheduling Techniques in Projects	Prof. J. Uma Maheswari	IITD	4 Weeks	New	26-Aug-19	20-Sep-19	16 November 2019	Elective	UG	Yes
Design of steel structures	Prof. Damodar Maiti	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	16 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. Koshy 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	Prof. Manoj Kumar Tiwari	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Core/Electiv	Both	Yes
Matrix Method of Structural Analysis	Prof. Amit Shaw & Prof Biswanath Banerjee	IITKGP	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Core	UG	
Photogeology in Terrain	Prof. Javed N. Malik	IITK	8 weeks	Rerun	26-Aug-19	18-Oct-19	17 November 2019	Elective	Both	Yes
Geosynthetics Testing	Prof. J. N. Mandal	IITB	4 Weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019	Elective	Both	Yes
Geotechnical Engineering	Prof. J. N. Mandal	IITB	4 weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019	Core	Both	Yes
Environmental Geotechnics	Prof. D. N. Singh	IITB	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Core/Electiv	UG	Yes
Remote Sensing and Digital Image Processing of Satellite Data	Prof. Arun K. Saraf	IITR	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Elective	UG	Yes
GPS Surveying	Prof. Jayanta Kumar Ghosh	IITR	4 Weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019			
Sustainable Materials and Green	Prof. B Bhattacharjee	IITD	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Elective	Both	Yes
Remote Sensing and GIS	Prof. Rishikesh Bharti	IITG	8 weeks	New	26-Aug-19	18-Oct-19	17 November 2019	Core	Both	Yes
Glass In Buildings : Design And Applications	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Elective	UG	Yes
Glass Processing Technology	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Elective	Both	Yes
Advanced Concrete Technology	Prof. Manu Santhanam	IITM	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Elective	PG	Yes

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IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 27th April, 2018 at 11.00 a.m. in Seminar Hall, 2nd floor, Dept. of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

1. To discuss adoption of scheme and syllabi, as proposed by AICTE for M.Tech (Computer Science and Engineering) 2018 batch, IKGPTU
2. To discuss adoption of scheme and syllabi, as proposed by AICTE for B.Tech (Computer Science and Engineering) 2018 batch,IKGPTU
3. To discuss adoption of scheme and syllabi, for M.Tech (Information Technology) 2018 batch,IKGPTU
4. To finalize POS and COS for B.Tech, 2016
5. To finalize POS and COS for M.Tech, 2016
6. To finalize Vision and Mission of the department (under the special permission of Chairperson, due to urgency of the matter)

Following Members were Present at the meeting:

Dr. Monika Sachdeva, IKGPTU Main Campus, Chairman (Ex-officio)

Dr. Akshay Girdhar, Professor, GNDEC, Ludhiana

Dr. Baljit Singh, Professor, BBSEC, Fatehgarh Sahib

Dr. Rajesh Bhatia, Panjab Technology University, Chandigarh, outside Expert

Dr. Krishan Saluja Panjab University, Chandigarh, outside Expert

Dr. S.K. Gupta Associate Professor, BCET,Gurdaspur

Dr. Dinesh, Associate Professor, DAVIET, Jalandhar

Dr. Anshu Bhasin, IKGPTU Main Campus, Member

Dr. Sumesh Sood, IKGPTU Dinanagar campus, Member

Dr. Raman, IKGPTU Dinanagar Campus, Member

Dr. Harsh Verma, NIT, Jalandhar, outside Expert

Following members could not attend the meeting:

Dr. R.C. Gangwar, Associate Professor, BCET,Gurdaspur

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Mr. Navdeepak Sandhu, Training and Placements, IKGPTU, Kapurthala

Dr. Surjit Singh, Retd. Professor, GNDU, Amritsar, Ex- chairperson

Dr. Parminder Singh, Professor, GNDEC, Ludhiana

The Board took the agenda and following decisions were taken

- The members agreed on the adoption of scheme and syllabi presented for M.tech (Comp.Sc. and Engg.) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also deliberated on the list of experiments, which were not included in the AICTE proposal, for the laboratories and finalised the same.
  The Scheme, syllabi and list of experiments is submitted along.

- The members agreed on the adoption of scheme and syllabi presented for B.tech (Comp.Sc. and Engg.) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalized along with course codes.
  The board also deliberated on the inclusion of 6-8 week industrial training after the sixth semester and included the same in the scheme.
  The complete Scheme and Syllabus of semester I – Programming for problem solving (Theory+ lab.) is submitted along.
  Due to shortage of time detailed syllabi of B.Tech, 3rd-8th semester could not be taken up.

- It was also further agreed that the scheme and syllabi of B.Tech- IT , 1st year will remain same as B.Tech-CSE,1st year 2018.

- The members agreed on the proposed scheme and syllabi presented for M.Tech (Information Technology) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalised along with course codes.
  The board also deliberated on Elective subjects and the list of experiments for the laboratories of semester I and II and finalised the same.
  The Scheme, syllabi and list of experiments is submitted along.

- The members discussed the Vision , Mission and Program Specific Outcomes for the department and documented the same. Copy of which is submitted along.

- The members discussed the Program Outcomes (POs) and Course Outcomes (COs) for M.tech-2016 and B.Tech-2016 and documented the same. Copy of which is submitted along.

The meeting ended with a vote of thanks.

List of members for signature:

Dr. Akshay Girdhar | Dr. Baljit Singh | Dr. Rajesh Bhatia

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IKGPTU/(CSE)
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IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 30th July,2018 at10.30a.m. in Seminar Hall, 2nd floor, Dept. of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

1. Adoption of scheme & syllabi of M. Tech (Cyber Security) 1st sem for 2018 batch.
2. Adoption of scheme & syllabi of B. Tech (IT) 3rd sem onwards for 2018 batch.
3. Revised scheme of M. Tech (Big DataAnalytics) for 2016 batch.
4. Credit transfer scheme for "Swayam" based MOOCs.

Following Members were present at the meeting:

Dr. Monika Sachdeva, IKGPTU Main Campus, Chairman (Ex-officio)

Dr. Parminder Singh, Professor, GNDEC, Ludhiana

Dr. Baljit Singh, Professor, BBSEC, Fatehgarh Sahib

Dr. Harsh Verma, NIT, Jalandhar, outside Expert

Dr. Dinesh Kumar, Associate Professor, DAVIET, Jalandhar

Dr. Anshu Bhasin, IKGPTU Main Campus, Member

Dr. Sumesh Sood, IKGPTU Dinanagar campus, Member

Dr. Raman, IKGPTU Dinanagar Campus, Member

Following members could not attend the meeting:

Dr. Rajesh Bhatia, Panjab Technology University, Chandigarh, outside Expert

Dr. Akshay Girdhar, Professor, GNDEC, Ludhiana

Dr. Krishan Saluja Panjab University, Chandigarh, outside Expert

Mr. Navdeepak Sandhu, Training and Placements, IKGPTU, Kapurthala

Dr. Surjit Singh, Retd. Professor, GNDU, Amritsar, Ex- chairperson

Dr. R.C. Gangwar, Associate Professor, BCET,Gurdaspur

Dr. S.K. Gupta , Associate Professor, BCET,Gurdaspur

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The Board took the agenda and following decisions were taken

- The members deliberated and agreed on the adoption of scheme and syllabi presented for M.Tech-CSE specialization in Cyber security 2018 onwards, based on the base model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also deliberated on the detailed syllabus of First Semester and finalised the same. The Scheme and syllabi for the First Semester is submitted along.

- After deliberations, consent was achieved on the adoption of scheme presented for B.tech (Information Technology) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also delibrated on the inclusion of 6-8 week industrial training after the sixth semester and included the same in the scheme. The complete Scheme is submitted along.

- The Revised scheme of M.Tech(Big Data Analytics), 2016 was approved, considering that the DMCs for the earlier semesters were already released to the students and students should not face problem in their final degree results.

The members discussed the mapping between the courses offered through Swayam and institutions' curriculum and suggested that the feedback from other institutes should be seeked to understand the current status of its implementation. Details will be hence, taken up in next BoS.

The meeting ended with a vote of thanks.

List of members for signature:

Dr. Baljit Singh

Dr. Dinesh Kumar

Dr. Harsh Verma

Dr. Sumesh Sood

Dr. Parminder Singh

Dr. Anshu Bhasin

Dr. Raman

Dr. Monika Sachdeva 30/07/18
(Chairman)

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File No. G/361/2020-CIVIL ENGG (Computer No. 20035)
Receipt No : 24189/2020/Dept of Civil Engineering

Date: 20-05-2020

The 2nd meetings of BoS (Civil Engineering) IKGPTU University Campuses under the chairmanship of chairperson, Board of Studies (Civil Engineering) was held on May 19th, 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 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) is adopted in 4th 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 52nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52nd 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 3rd Semester to B. Tech. Civil Engineering program.	The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Civil Engineering program Student who opts for B. Tech. Civil Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:

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			

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.

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File No. G/361/2020-CIVIL ENGG (Computer No. 20035)
Receipt No : 24189/2020/Dept of Civil Engineering

		v) The department/college/constituent campus shall issue a certificate that the student has passed the Bridge /Additional course. 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. The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.
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 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)	Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th 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 7th or 8th 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 3rd and 4th year on account of above Item 2.5 & 2.6	On account of item 2.6, the BoS discussed, revised and approved with minor modifications: (a) The teaching scheme of 3rd year B.Tech in Civil Engineering programme. (b) The syllabus of 5th 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. (c) The draft of teaching scheme of 4th year B.Tech. in Civil Engineering programme to be prepared later. The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.
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.	(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. (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. The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.
2.9	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. B. Action on letter regarding MOOCs courses Reference no. IKGPTU/DA/2355, dated 06/032020.	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. The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents. 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

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		semester and take post-facto approval in the next meeting of the BoS.
2.10	A. To finalise the on-line SWAYAM/MOOCS courses and credits for Honors Degree in Civil Engineering for the session January-May 2020. B. Action on letter regarding MOOCs courses Reference no. IKGPTU/DA/2355, dated 06/032020.	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. B. Regarding the list of SWAYAM/ MOOCS for Honors 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 semester and take post-facto approval in the next meeting of the BoS.
2.11	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)	(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 (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.
2.12	Procedure for (a) Minor Degree (b) Honors Degree	The BoS recommended for approval: (a) Student to opt for Minor degree in relevant programme in 3rd semester. (b) Students having **minimum 7.5 (out of 10) CGPA and no backlog** up till 3rd/4th Semester will be eligible for opting for Honors Degree in B. Tech. Civil Engineering in the 5th Semester.

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		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. · 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. · The following step are proposed to be followed for credits earned through SWAYAM/MOOCS courses: i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Constituent Campus/ Department for registration. 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. 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. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. 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.
2.13	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	Not to be considered for the Main/Constituent campus BoS
2.14	On account of the lockdown since March	The BoS(CE) deliberated upon the various modalities of conduct of online examination such as duration and weightage

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	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	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.** 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.

→ Consent was taken via e-mail from all the members for approval of MoM.

Ar. Md. Fuzail Jawaid
Coordinator BoS(Civil Engg)
IKGPTU Main Campus.

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

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

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

Date : 25.4.2018

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

A meeting of Board of Study Civil Engg was held on April ,24th 2018 at 11:30 a.m. in Conference Room, 2nd 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.VandanaNathani, 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.NeeruSingla, IKGPTU –Kapurthala (Member)
Dr.Mukta Sharma, IKGPTU -Kapurthala
Dr.Harvinder Singh, GNDEC, Ludhiana
Dr. AdarshpalVig, 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. VandanaNaithani
Dr. Sanjeev Naval	Dr. Chander Prakash	Er. Navdeepak Sandhu	Dr. Rajiv Chauhan

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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.

Board of Studies (Civil Engineering)
MINTUES OF METING

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.

- The vision, Mission statement, COs, POs, PEOs and PSOs of the Department of Civil Engineering, IKGPTU Main Campus has been discussed and approved. (Annexure – A)
- For batches of B. Tech 2016-20 and 2017-21 already approved Scheme & Syllabus of 2011 of IKGPTU shall be adopted for Main and Constituent Campuses.
- For batches of B. Tech 2018-22 and 2019-23 already approved Scheme & Syllabus of 2018 of IKGPTU shall be adopted for Main and Constituent Campuses.

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IKGPTU CAMPUS HOSHIARPUR

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:

Weeks	Credits
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)

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

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

Annexure - A

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

	Vision	Mission
University Main Campus	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 21st 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.
Department	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.	• To aspire for the advancement of Technical Education in Civil Engineering and allied fields by relevant research and innovation. • To impart and enhance knowledge for empowerment of socially, economically marginalized sections of society. • To produce Ethical Civil Engineers and entrepreneurs to meet National and Global demands.

1/3

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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.

2/3

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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.

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CAMPUS

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	Couse 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

28 June,2019

Board of Studies(Civil Engineering)
IKGUJRAL Punjab Technical University

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

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

DEPUTY DIRECTOR
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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 Deb	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 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	26-Aug-19	20-Sep-19	16 November 2019	Elective	UG	Yes
Scheduling Techniques in Projects	Prof. J. Uma Maheswari	IITD	4 Weeks	New	26-Aug-19	20-Sep-19	16 November 2019	Elective	UG	Yes
Design of steel structures	Prof. Damodar Maiti	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	16 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. Koshy 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	Prof. Manoj Kumar Tiwari	IITKGP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Core/Electiv	Both	Yes
Matrix Method of Structural Analysis	Prof. Amit Shaw & Prof Biswanath Banerjee	IITKGP	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Core	UG	
Photogeology in Terrain	Prof. Javed N. Malik	IITK	8 weeks	Rerun	26-Aug-19	18-Oct-19	17 November 2019	Elective	Both	Yes
Geosynthetics Testing	Prof. J. N. Mandal	IITB	4 Weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019	Elective	Both	Yes
Geotechnical Engineering	Prof. J. N. Mandal	IITB	4 weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019	Core	Both	Yes
Environmental Geotechnics	Prof. D. N. Singh	IITB	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Core/Electiv	UG	Yes
Remote Sensing and Digital Image Processing of Satellite Data	Prof. Arun K. Saraf	IITR	8 weeks	Rerun	26-Aug-19	18-Oct-19	16 November 2019	Elective	UG	Yes
GPS Surveying	Prof. Jayanta Kumar Ghosh	IITR	4 Weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019			
Sustainable Materialt and Green	Prof. B Bhattacharjee	IITD	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Elective	Both	Yes
Remote Sensing and GIS	Prof. Rishikesh Bharti	IITG	8 weeks	New	26-Aug-19	18-Oct-19	17 November 2019	Core	Both	Yes
Glass In Buildings : Design And Applications	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Elective	UG	Yes
Glass Processing Technology	Prof. K N Satyanarayana & Prof. E Rajasekar	IITM & Glass	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Elective	Both	Yes
Advanced Concrete Technology	Prof. Manu Santhanam	IITM	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Elective	PG	Yes

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IKGPTU CAMPUS

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I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR
Department of Civil Engineering

Ref. No. IKGPTU/CE/BOS/001.

Dated 28-06-19.

Board of Studies (Civil Engineering)
MINTUES OF METING

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.

- The vision, Mission statement, COs, POs, PEOs and PSOs of the Department of Civil Engineering, IKGPTU Main Campus has been discussed and approved. (Annexure – A)
- For batches of B. Tech 2016-20 and 2017-21 already approved Scheme & Syllabus of 2011 of IKGPTU shall be adopted for Main and Constituent Campuses.
- For batches of B. Tech 2018-22 and 2019-23 already approved Scheme & Syllabus of 2018 of IKGPTU shall be adopted for Main and Constituent Campuses.

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

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'.
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- 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:

Weeks	Credits
3-5 weeks	1
6-9 weeks	2
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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)

Dr. Rajiv Chauhan
(Chairman)

DEPUTY DIRECTOR
IKGPTU CAMPUS KAPURTHALA

Annexure - A

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

	Vision	Mission
University Main Campus	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 21st 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.
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Programme Outcomes (PO's)

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DEPUTY DIRECTOR
IKGPTU CAMPUS KAPURTHALA

Programme Educational Objectives (PEOs):

The graduates of Civil Engineering will be able to:

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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.

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MoM

IKGPTU/CSE/19/343
6/3/19

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 1st March, 2019 at 10.30a.m. in Seminar Hall, 2nd floor, Dept. of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

1. Syllabi of B.Tech (CSE), 3rd and 4th sem for 2018 batch onwards.
2. POs and PSOs for the Dept. of CSE
3. Decide the list of courses for Minor degree in Computer Science Engg.

Following Members were present at the meeting:

Dr. Monika Sachdeva, IKGPTU Main Campus, Chairman (Ex-officio)

Dr. Krishan Saluja Panjab University, Chandigarh, outside Expert

Dr. Baljit Singh, Professor, BBSEC, Fatehgarh Sahib

Dr. Harsh Verma, NIT, Jalandhar, outside Expert

Dr. R.C. Gangwar, Associate Professor, BCET,Gurdaspur

Dr. S.K. Gupta , Associate Professor, BCET,Gurdaspur

Dr. Anshu Bhasin, IKGPTU Main Campus, Member

Dr. Sumesh Sood, IKGPTU Dinanagar campus, Member

Dr. Raman, IKGPTU Dinanagar Campus, Member

Dr.Ashish Arora, IKGPTU Main Campus, Special Invite

Sh. Devinder Kumar, Special Invite(parents)

Sh. Balvir Singh, Special invite(parents)

Mr. Rajat Khurana, Special Invite(Student)

Sr. Sikander Singh, Special Invite(Student)

Following members could not attend the meeting:

Dr. Rajesh Bhatia, Panjab Technology University, Chandigarh, outside Expert

Dr. Akshay Girdhar, Professor, GNDEC, Ludhiana

Dr. Parminder Singh, Professor, GNDEC, Ludhiana

Mr. Navdeepak Sandhu, Training and Placements, IKGPTU, Kapurthala

Dr. Surjit Singh, Retd. Professor, GNDU, Amritsar, Ex- chairperson

Dr. Dinesh Kumar,Associate Professor, DAVIET

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Dr. Avtar Singh Bhutar, IKGPTU main Campus,Special Invite

The Board took the agenda and following decisions were taken:

- The members deliberated on the syllabi proposed by AICTE on the 3rd and 4th semesters of B.tech-CSE 2018 onwards.The syllabi for the same is submitted along. The members reommended 5 **percentage** of variation from the proposed AICTE syllabi.
- The Laboratory list for each of the related courses were discussed and final list is submitted along with COs.
- It was decided that the students will study subjects under Humanities and Management. The detailed syllabi of which will be provided by the concerned committee constituted by the Director, Academics of IKGPTU.
- It was decided that the Dept. of Mathemetics will provide the detailed syllabi of Mathematics III and Discrete Structures and Digital Electronics will be provided by the Dept. of ECE, through their resp. BOS.
- The committee rectified the statement of POs and PSOs suggested in the previous BOS and recommended the enclosed list of POs and PSOs, of the Dept. of Computer Science.
- The members discussed and recommended the list of courses(core and electives) against the, **Minor degree in Computer Science**, to be gained by the B.Tech students of 2018 batch onwards. The courses choosen by the student(amounting to minimum of 18 credits), from the proposed list of courses, shall be in addition to the courses studied by the student towards his/her major degree.
  Further, the committee recommended that Exit Policy, in case the student wants to quit the Minor degree option should be proposed by the concerned competitive committee.
- The committee recommended that the batch size for the minor courses shall be limited to 60, selected through merit.

The meeting ended with a vote of thanks.

Dr. Krishan Saluja

Dr. Harsh Verma

Dr. R.C. Gangwar

Dr. Baljit Singh

Dr. Avtar Singh Bhutar

Dr. Ashish Arora

Dr. S.K. Gupta

Dr. Sumesh Sood

Dr. Raman Kumar

Dr. Anshu Bhasin 1/3/19

Dr.Sarbjeet Singh

Sr. Sikander

Sh. Devinder Kumar

Sh. Balbir Singh (Parents)

Mr. Rajat

Dr. Monika Sachdeva 01/03/19
(Chairman)

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DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 6th July 2017 at 11.30 a.m. in Seminar Hall, 2nd floor, Dept. of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

- Scheme and syllabi for M.Tech. (Big Data Analytics) 2016 batch
- Scheme and syllabi for M.Tech. (Computer science and Engineering) 2017 batch
- Scheme for B. Tech. (Computer science and Engineering) 2017 batch
- Equivalence of Ph. D. in Computer Applications with Ph. D in Computer Sc. and Engineering
- Any other matter with the permission of chair

Following Members were Present at the meeting:

Dr. Monika Sachdeva, IKGPTU Main Campus, *Chairman (Ex-officio)*
Dr. Akshay Girdhar, Professor, GNDEC, Ludhiana
Dr. Baljit Singh, Professor, BBSEC, Fatehgarh Sahib
Dr. Rajesh Bhatia, Panjab Technology University, Chandigarh, *outside Expert*
Dr. Krishan Saluja, Panjab University, Chandigarh, *outside Expert*
Dr. R.C. Gangwar, Associate Professor, BCET,Gurdaspur
Dr. S.K. Gupta, Associate Professor, BCET,Gurdaspur
Dr. Dinesh, Associate Professor, DAVIET, Jalandhar
Dr. Anshu Bhasin, IKGPTU Main Campus, *Member*
Dr. Sumesh Sood, IKGPTU Dinanagar campus, *Member*
Dr. Raman, IKGPTU Dinanagar Campus, *Member*
Mr. Vipin, Industry Expert, *Special Invitee*

Following members could not attend the meeting:

Dr. Parminder Singh, Professor, GNDEC, Ludhiana
Dr. Harsh Verma, NIT, Jalandhar, *outside Expert*
Mr. Navdeepak Sandhu, Training and Placements, IKGPTU, Kapurthala

The Board took the agenda and following decisions were taken.

1. The scheme and syllabi for M Tech (Big Data Analytics) has been approved.
2. The scheme for M Tech (CSE) for the batch 2018 has been finalized.
3. Every student has to earn 20%-25% credits through MOOCs courses. The department will decide the equivalency of existing courses with the MOOCs courses for online learning.
4. An open elective may be introduced in third semester of M. Tech. (CSE).
5. Evaluation criteria for evaluating M. Tech. dissertation may be as follows:
   a. Papers published in SCI/SCIE journals may be assigned grade 'O'.
   b. Papers published in SCOPUS indexed journals may not be assigned above grade 'A+'.
   c. Papers published in UGC approved journal list not covered above and IEEE/Springer/ACM/Proceedia may not be assigned above grade 'A'.
   d. Other grades may be assigned based on the performance of students below grade 'A'.
6. Due to shortage of time the scheme of B. Tech. (CSE) could not be taken up. However, the board was of opinion that a course "Soft Skills (covering all placement pre-requisites)" may be introduced from third semester onwards.
7. The committee strongly recommended workshops/short term courses on latest technologies due to major revisions in both B. Tech. and M. Tech. curriculum.
8. The board was of view that Ph.D. in Computer Applications may be considered equivalent to Ph.D. in Computer Science. However, it should be considered under Faculty of Sciences.

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IKGPTU CAMPUS HOSHIARPUR

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 6th July 2017 at 11.30 a.m. in Seminar Hall, 2nd floor, Dept. of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

- Scheme and syllabi for M.Tech. (Big Data Analytics) 2016 batch
- Scheme and syllabi for M.Tech. (Computer science and Engineering) 2017 batch
- Scheme for B. Tech. (Computer science and Engineering) 2017 batch
- Equivalence of Ph. D. in Computer Applications with Ph. D in Computer Sc. and Engineering
- Any other matter with the permission of chair

Following Members were Present at the meeting:

Dr. Monika Sachdeva, IKGPTU Main Campus, *Chairman (Ex-officio)*
Dr. Akshay Girdhar, Professor, GNDEC, Ludhiana
Dr. Baljit Singh, Professor, BBSEC, Fatehgarh Sahib
Dr. Rajesh Bhatia, Panjab Technology University, Chandigarh, *outside Expert*
Dr. Krishan Saluja, Panjab University, Chandigarh, *outside Expert*
Dr. R.C. Gangwar, Associate Professor, BCET,Gurdaspur
Dr. S.K. Gupta, Associate Professor, BCET,Gurdaspur
Dr. Dinesh, Associate Professor, DAVIET, Jalandhar
Dr. Anshu Bhasin, IKGPTU Main Campus, *Member*
Dr. Sumesh Sood, IKGPTU Dinanagar campus, *Member*
Dr. Raman, IKGPTU Dinanagar Campus, *Member*
Mr. Vipin, Industry Expert, *Special Invitee*

Following members could not attend the meeting:

Dr. Parminder Singh, Professor, GNDEC, Ludhiana
Dr. Harsh Verma, NIT, Jalandhar, *outside Expert*
Mr. Navdeepak Sandhu, Training and Placements, IKGPTU, Kapurthala

The Board took the agenda and following decisions were taken.

1. The scheme and syllabi for M Tech (Big Data Analytics) has been approved.
2. The scheme for M Tech (CSE) for the batch 2018 has been finalized.
3. Every student has to earn 20%-25% credits through MOOCs courses. The department will decide the equivalency of existing courses with the MOOCs courses for online learning.
4. An open elective may be introduced in third semester of M. Tech. (CSE).
5. Evaluation criteria for evaluating M. Tech. dissertation may be as follows:
   a. Papers published in SCI/SCIE journals may be assigned grade 'O'.
   b. Papers published in SCOPUS indexed journals may not be assigned above grade 'A+'.
   c. Papers published in UGC- approved journal list not covered above and IEEE/Springer/ACM/Proceedia may not be assigned above grade 'A'.
   d. Other grades may be assigned based on the performance of students below grade 'A'.
6. Due to shortage of time the scheme of B. Tech. (CSE) could not be taken up. However, the board was of opinion that a course "Soft Skills (covering all placement pre-requisites)" may be introduced from third semester onwards.
7. The committee strongly recommended workshops/short term courses on latest technologies due to major revisions in both B. Tech. and M. Tech. curriculum.
8. The board was of view that Ph.D. in Computer Applications may be considered equivalent to Ph.D. in Computer Science. However, it should be considered under Faculty of Sciences.

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IKGPTU/CSE/998
9/11/17

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meeting

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 9th November, 2017 at 11.30 AM in Seminar Hall, 2nd floor, Department of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

- Syllabi for M.Tech (Computer Science and Engineering) 2018 Batch, IKGPTU
- Scheme for B.Tech (Computer Science and Engineering) 2018 Batch, IKGPTU
- Revise syllabus of Fundamentals of Computer Programming and Information Technology (FCPIT), for B.Tech (Computer Science and Engineering) 2018 Batch, IKGPTU
- Any other matter with the permission of chair

Following Members were Present at the meeting:

Dr. Monika Sachdeva, IKGPTU Main Campus, *Chairman (Ex-officio)*

Dr. Harsh Verma, Professor, NIT, Jalandhar, *outside Expert*

Dr. Krishan Saluja, Professor, Panjab University, Chandigarh, *outside Expert*

Dr. Parminder Singh, Professor, GNDEC, Ludhiana

Dr. Akshay Girdhar, Professor, GNDEC, Ludhiana

Dr. R.C. Gangwar, Associate Professor, BCET, Gurdaspur

Dr. Dinesh Kumar, Associate Professor, DAVIET, Jalandhar

Dr. Anshu Bhasin, IKGPTU Main Campus, *Member*

Dr. Sumesh Sood, IKGPTU Dinanagar campus, *Member*

Dr. Raman, IKGPTU Dinanagar Campus, *Member*

Following members could not attend the meeting:

Dr. Surjit Singh, Retd. Professor, GNDU, Amritsar (Ex-Chairman)

Dr. S.K. Gupta, Associate Professor, BCET,Gurdaspur

Dr. Baljit Singh, Professor, BBSEC, Fatehgarh Sahib

Dr. Rajesh Bhatia, Panjab Technology University, Chandigarh, *outside Expert*

Mr. Navdeepak Sandhu, Training and Placements, IKGPTU, Kapurthala

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TECHNICAL CAMPUS HOSHIARPUR

The board took the agenda and following decisions were taken.

1. The committee elaborated the proposed syllabi of 1st and 2nd semesters of M. Tech (Computer Science and Engineering) 2018 Batch. As per the suggestions of committee members the syllabi of courses will be modified.
2. AICTE is in the process to release new scheme for B. Tech (Computer Science and Engineering) for 2018 batch in the near future so, the committee has recommended that scheme of B. Tech. will be finalized after that.
3. The committee discussed the syllabus of FCPIT, B. Tech. 1st year and finalized its contents and changed the name of course as Fundamentals of Computer Programming as per the suggestions of members.

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9/11/18

The meeting ended with a vote of thanks.

List of members for signature

Dr. Harsh Verma
(Outside expert)

Dr. Krishan Saluja
(Outside expert)

Dr. Paramjinder Singh
(Professor)

Dr. Akshay Girdhar
(Professor)

Dr. R.C. Gangwar
(Associate Professor)

Dr. Dinesh Kumar
(Associate Professor)

Dr. Anshu Bhasin
(Assistant Professor)

Dr. Sumesh Sood
(Assistant Professor)

Dr. Rajan Kumar
(Assistant Professor)

Dr. Monika Sachdeva
(Chairman)

Out Come of each Subject must be taken off from respective BOS.

(Dean Academic)

Dr/A M. Sarwan

Chairperson BOS/HOD CSE

Dr. Anish Sharma
BOS-coordinator
for needful

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DEPUTY DIRECTOR
CAMPUS SHARPUR

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 27th April, 2018 at 11.00 a.m. in Seminar Hall, 2nd floor, Dept. of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

1. To discuss adoption of scheme and syllabi, as proposed by AICTE for M.Tech (Computer Science and Engineering) 2018 batch, IKGPTU
2. To discuss adoption of scheme and syllabi, as proposed by AICTE for B.Tech (Computer Science and Engineering) 2018 batch,IKGPTU
3. To discuss adoption of scheme and syllabi, for M.Tech (Information Technology) 2018 batch,IKGPTU
4. To finalize POS and COS for B.Tech. 2016
5. To finalize POS and COS for M.Tech. 2016
6. To finalize Vision and Mission of the department (under the special permission of Chairperson, due to urgency of the matter)

Fotlowing Members were Present at the meeting:

Dr. Monika Sachdeva, IKGPTU Main Campus, Chairman (Ex-officio)

Dr. Akshay Girdhar, Professor, GNDEC, Ludhiana

Dr. Baljit Singh, Professor, BBSEC, Fatehgarh Sahib

Dr. Rajesh Bhatia, Panjab Technology University, Chandigarh, outside Expert

Dr. Krishan Saluja Panjab University, Chandigarh, outside Expert

Dr. S.K. Gupta Associate Professor, BCET,Gurdaspur

Dr. Dinesh, Associate Professor, DAVIET, Jalandhar

Dr. Anshu Bhasin, IKGPTU Main Campus, Member

Dr. Sumesh Sood, IKGPTU Dinanagar campus, Member

Dr. Raman, IKGPTU Dinanagar Campus, Member

Dr. Harsh Verma, NIT, Jalandhar, outside Expert

Following members could not attend the meeting:

Dr. R.C. Gangwar, Associate Professor, BCET,Gurdaspur

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CAMPUS HOSHIARPUR

Mr. Navdeepak Sandhu, Training and Placements, IKGPTU, Kapurthala

Dr. Surjit Singh, Retd. Professor, GNDU, Amritsar, Ex- chairperson

Dr. Parminder Singh, Professor, GNDEC, Ludhiana

The Board took the agenda and following decisions were taken

- The members agreed on the adoption of scheme and syllabi presented for M.tech (Comp.Sc. and Engg.) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also deliberated on the list of experiments, which were not included in the AICTE proposal, for the laboratories and finalised the same.
  The Scheme, syllabi and list of experiments is submitted along.

- The members agreed on the adoption of scheme and syllabi presented for B.tech (Comp.Sc. and Engg.) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalized along with course codes.
  The board also deliberated on the inclusion of 6-8 week industrial training after the sixth semester and included the same in the scheme.
  The complete Scheme and Syllabus of semester I – Programming for problem solving (Theory+ lab.) is submitted along.
  Due to shortage of time detailed syllabi of B.Tech, 3rd-8th semester could not be taken up.

- It was also further agreed that the scheme and syllabi of B.Tech- IT , 1st year will remain same as B.Tech-CSE,1st year 2018.

- The members agreed on the proposed scheme and syllabi presented for M.Tech (Information Technology) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalised along with course codes.
  The board also deliberated on Elective subjects and the list of experiments for the laboratories of semester I and II and finalised the same.
  The Scheme, syllabi and list of experiments is submitted along.

- The members discussed the Vision , Mission and Program Specific Outcomes for the department and documented the same. Copy of which is submitted along.

- The members discussed the Program Outcomes (POs) and Course Outcomes (COs) for M.tech-2016 and B.Tech-2016 and documented the same. Copy of which is submitted along.

The meeting ended with a vote of thanks.

List of members for signature:

Dr. Akshay Girdhar Dr. Baljit Singh Dr. Rajesh Bhalla

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CAMPUS HOSHIARPUR

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IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 30th July,2018 at10.30a.m. in Seminar Hall, 2nd floor, Dept. of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

1. Adoption of scheme & syllabi of M. Tech (Cyber Security) 1st sem for 2018 batch.
2. Adoption of scheme & syllabi of B. Tech (IT) 3rd sem onwards for 2018 batch.
3. Revised scheme of M. Tech (Big DataAnalytics) for 2016 batch.
4. Credit transfer scheme for "Swayam" based MOOCs.

Following Members were present at the meeting:

Dr. Monika Sachdeva, IKGPTU Main Campus, Chairman (Ex-officio)

Dr. Parminder Singh, Professor, GNDEC, Ludhiana

Dr. Baljit Singh, Professor, BBSEC, Fatehgarh Sahib

Dr. Harsh Verma, NIT, Jalandhar, outside Expert

Dr. Dinesh Kumar, Associate Professor, DAVIET, Jalandhar

Dr. Anshu Bhasin, IKGPTU Main Campus, Member

Dr. Sumesh Sood, IKGPTU Dinanagar campus, Member

Dr. Raman, IKGPTU Dinanagar Campus, Member

Following members could not attend the meeting:

Dr. Rajesh Bhatia, Panjab Technology University, Chandigarh, outside Expert

Dr. Akshay Girdhar, Professor, GNDEC, Ludhiana

Dr. Krishan Saluja Panjab University, Chandigarh, outside Expert

Mr. Navdeepak Sandhu, Training and Placements, IKGPTU, Kapurthala

Dr. Surjit Singh, Retd. Professor, GNDU, Amritsar, Ex- chairperson

Dr. R.C. Gangwar, Associate Professor, BCET,Gurdaspur

Dr. S.K. Gupta , Associate Professor, BCET,Gurdaspur

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CAMPUS, SHAHPUR

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31/7/2018

The Board took the agenda and following decisions were taken

- The members deliberated and agreed on the adoption of scheme and syllabi presented for M.Tech-CSE specialization in Cyber security 2018 onwards, based on the base model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also deliberated on the detailed syllabus of First Semester and finalised the same. The Scheme and syllabi for the First Semester is submitted along.

- After deliberations, consent was achieved on the adoption of scheme presented for B.tech (Information Technology) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also delibrated on the inclusion of 6-8 week industrial training after the sixth semester and included the same in the scheme. The complete Scheme is submitted along.

- The Revised scheme of M.Tech(Big Data Analytics), 2016 was approved, considering that the DMCs for the earlier semesters were already released to the students and students should not face problem in their final degree results.

- The members discussed the mapping between the courses offered through Swayam and institutions' curriculum and suggested that the feedback from other institutes should be seeked to understand the current status of its implementation. Details will be hence, taken up in next BoS.

The meeting ended with a vote of thanks.

List of members for signature:

Dr. Baljit Singh

Dr. Dinesh Kumar

Dr. Harsh Verma

Dr. Sumesh Sood

Dr. Parminder Singh

Dr. Anshu Bhasin

Dr. Raman

Dr. Monika Sachdeva 30/07/18
(Chairman)

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DEPUTY DIRECTOR
IKGPTU CAMPUS MOHIARPUR

I K GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 18th January, 2021 at 02.00 to 03:30 p.m conducted using online platform through Zoom bearing Meeting ID: 729 1047 3541, Password: ikgptu.

The agenda of the meeting was to discuss and finalize:

1. To finalize scheme of B.Tech (Computer Science & Engineering) and syllabi of 6th semester for B. Tech (Computer Science and Engineering), 2018 batch onwards for IKGPTU Main Campus and constituent campuses.
2. To finalize syllabi of 4th semester for B. Tech (Computer Engineering), 2019 batch of IKGPTU Main Campus.
3. To finalize syllabi of 4th semester for B. Tech (Software Engineering), 2019 batch of IKGPTU Main Campus.
4. To finalize scheme and syllabi of Minor Degree & Honours Degree for B. Tech courses running in department of Computer Science and Engineering, 2020 batch of IKGPTU Main Campus and constituent campuses.

Following Members were present at the meeting:

1. Dr. Monika Sachdeva, Associate Professor, Head and Board of Studies Chairman, Deptt. CSE, Main Campus, IKGPTU
2. Dr. Manju Bala, Professor, Khalsa College of Engg. & Tech., Amritsar
3. Dr. Rama Krishna, Professor, Deptt. of CSE, NITTTR, Chandigarh
4. Dr. Sandeep Sood, Outside Expert, Associate Professor, NIT, Kurukshetra
5. Dr. Geeta Sikka, Associate Professor, Deptt. of CSE, NIT, Jalandhar
6. Dr. Jasbir Singh Saini, Associate Professor, GNDEC, Ludhiana
7. Dr. Sumeet Kaur Sehra, Assistant Professor, Deptt. CSE, GNDEC, Ludhiana
8. Dr. Pankaj Deep Kaur, Assistant Professor, Dept. of CSE, GNDU Regional Campus, Jalandhar
9. Dr. Anshu Bhasin, Assistant Professor, Main Campus, IKGPTU
10. Dr. Raman Kumar, Assistant Professor and Board of Studies Coordinator, Deptt. of CSE, Main Campus, IKGPTU

Following Members could not be present at the meeting

- Dr. Lakhwinder Kaur, Professor, Pbi. Univ., Patiala
- Dr. Maninder Singh, Professor, Outside Expert, HOD CSE, Thapar Institute of Engineering & Technology, Patiala
- Dr. Narotam Chand, Associate Professor, Deptt. of CSE, NIT, Hamirpur
- Mr. Rajeev Bansal, Industry Expert, Deptt. of CSE, Senior Consultant, Tata Consultancy, Gurgaon, Haryana
- Dy. Director, Assistant Director CR&A, Deptt. of CR&A, IKGPTU
- Er. Mohit Jain Er. Mohit Jain, Database Administrator, IRC-UHVE, IKGPTU
- Er. Srishty, Former B.Tech Student, IKGPTU Main Campus
- Mehul Kansal *(B.Tech 2017 Batch)*, Divyanshu Singh *(B.Tech 2017 Batch)*
- Shri. Davinder Kumar, *Assistant Registrar, IKGPTU*

The Board took the agenda and following decisions were taken:

- BOS has approved scheme of B.Tech (Computer Science & Engineering) and syllabi of 6th semester for B. Tech (Computer Science and Engineering), 2018 batch onwards for IKGPTU Main Campus and constituent campuses.
- BOS has approved syllabi of 4th semester for B. Tech (Computer Engineering), 2019 batch of IKGPTU Main Campus.

DEPUTY DIRECTOR
KAPURTHALA

- BOS has approved syllabi of 4th semester for B. Tech (Software Engineering), 2019 batch of IKGPTU Main Campus.
- BOS has approved scheme and syllabi of Minor Degree & Honours Degree for B. Tech courses running in department of Computer Science and Engineering, 2020 batch of IKGPTU Main Campus and constituent campuses.

The meeting ended with a vote of thanks.

List of members for signature:

Dr. Manju Bala

Dr. Rama Krishna

Dr. Sandeep Sood

Dr. Geeta Sikka

Dr. Jasbir Singh Saini

Dr. Pankaj Deep Kaur

Dr. Sumeet Kaur Sehra

Dr. Anshu Bhasin

Dr. Raman Kumar
(Board of Studies Coordinator)

Dr. Monika Sachdeva
(Chairman)

DEPUTY DIRECTOR
IKGPTU CAMPUS KAPURTHALA

I K GUJRAL PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 20th April, 2020 at 12.00 to 01:00 p.m conducted using online platform through Zoom bearing Meeting ID: 649 141 6705, Password: 8Tgqcm..

The agenda of the meeting was to discuss and finalize:

1. To update B. Tech (Computer Science and Engineering) scheme for 2018 batch onwards for IKGPTU Main Campus and constituent campuses.
2. To finalize B. Tech (Computer Science and Engineering) syllabi for 5th Semester (2018 batch onwards) for IKGPTU Main Campus and constituent campuses.
3. To finalize scheme and syllabi of 3rd and 4th semester for B. Tech (Computer Engineering), 2019 batch of IKGPTU Main Campus.
4. To finalize scheme and syllabi of 3rd and 4th semester for B. Tech (Software Engineering), 2019 batch of IKGPTU Main Campus.
5. To finalize internal evaluation criteria of the courses BTCS 801 (Software Training): Internal Marks 150 and BTCS 802 (Industry Oriented Project Training): Internal Marks 200 of IKGPTU Main Campus.

Following Members were present at the meeting:

1. Dr. Monika Sachdeva, Associate Professor, Head and Board of Studies Chairman, Deptt. CSE, Main Campus, IKGPTU
2. Dr. Manju Bala, Professor, Khalsa College of Engg. & Tech., Amritsar Dr. Rama Krishna, Professor, Deptt. of CSE, NITTTR, Chandigarh
3. Dr. Rama Krishna, Professor, Deptt. of CSE, NITTTR, Chandigarh
4. Dr. Sandeep Sood, Outside Expert, Deptt. of CSI, Central University of Himachal Pradesh
5. Dr. Geeta Sikka, Associate Professor, Deptt. of CSE, NIT, Jalandhar
6. Dr. Anshu Bhasin, Assistant Professor, Main Campus, IKGPTU
7. Dr. Pankaj Deep Kaur, Assistant Professor, Dept. of CSE, GNDU Regional Campus, Jalandhar
8. Dr. Raman Kumar, Assistant Professor and Board of Studies Coordinator, Deptt. of CSE, Main Campus, IKGPTU

Following Members could not be present at the meeting

- Dr. Lakhwinder Kaur, Professor, Pbi. Univ., Patiala
- Dr. Narotam Chand, Associate Professor, Deptt. of CSE, NIT, Hamirpur
- Dr. Jasbir Singh Saini, Associate Professor, GNDEC, Ludhiana
- Dr. Sumeet Kaur Sehra, Assistant Professor, Deptt. CSE, GNDEC, Ludhiana
- Dr. Maninder Singh, Professor, Outside Expert, HOD CSE, Thapar Institute of Engineering & Technology, Patiala
- Mr. Rajeev Bansal, Industry Expert, Deptt. of CSE, Senior Consultant, Tata Consultancy, Gurgaon, Haryana
- Dy. Director, Assistant Director CR&A, Deptt. of CR&A, IKGPTU
- Er. Mohit Jain Er. Mohit Jain, Database Administrator, IRC-UHVE, IKGPTU
- Er. Rajat Khurana, Former M.Tech Student, IKGPTU Main Campus

The Board took the agenda and following decisions were taken:

- BOS has approved B. Tech (Computer Science and Engineering) scheme for 2018 batch onwards for IKGPTU Main Campus and constituent campuses. In essence, BOS has finalized the subject entitled "Block Chain" will be retitled as "Block Chain Technologies" in electives.

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IKGPTU CAMPUS HOSHIARPUR

- BOS has approved B. Tech (Computer Science and Engineering) syllabi for 5th Semester (2018 batch onwards) for IKGPTU Main Campus and constituent campuses.
- BOS has approved scheme and syllabi of 3rd and 4th semester for B. Tech (Computer Engineering), 2019 batch of IKGPTU Main Campus.
- BOS has approved scheme and syllabi of 3rd and 4th semester for B. Tech (Software Engineering), 2019 batch of IKGPTU Main Campus.
- BOS has approved that only departmental committee members will evaluate each student for BTCS 801 and BTCS 802 respectively.

The meeting ended with a vote of thanks.

List of members for signature:

Dr. Manju Bala

Dr. Rama Krishna

Dr. Sandeep Sood

Dr. Geeta Sikka

Dr. Anshu Bhasin

Dr. Pankaj Deep Kaur

Dr. Raman Kumar
(Board of Studies Coordinator)

Dr. Monika Sachdeva
(Chairman)

DEPUTY DIRECTOR
SHIARPUR

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 16th July, 2019 at 12.30 p.m. in Seminar Hall, 3rd floor, Dept. of Academics, IKGPTU, Kapurthala.

The agenda of the meeting was to discuss and finalize:

1) To finalize B. Tech (Software Engineering) scheme and syllabi for first year of 2019 batch.
2) To finalize B. Tech (Computer Science and Engineering) scheme and syllabi for first year of 2019 batch.
3) To finalize and offer same scheme and syllabi as of affiliated colleges to B. Tech (Computer Science and Engineering) students of Main campus and constituent campuses for the batches before 2019.
4) To finalize and offer same scheme and syllabi as of affiliated colleges to M. Tech (Computer Science and Engineering) students of Main campus and constituent campuses for the batch 2018 and 2019.
5) To finalize syllabus of Fundamentals of Computer and C Programming course of B.Sc. (Hons.) Mathematics.
6) To finalize MOOCs courses for B.Tech/CSE Honors and Minor degree
7) To finalize Vision and Mission of the CSE department.
8) To finalize PEOs, POs, COs for B.Tech and M.Tech Programs.

Following Members were present at the meeting:

1. Dr. Monika Sachdeva, Associate Professor, Main Campus, IKGPTU
2. Dr. Sandeep Sood, Outside Expert, Deptt. of CSE, GNDU, Regional Campus, Gurdaspur
3. Dr. Manju Bala, Professor, Khalsa College of Engg. & Tech., Amritsar
4. Dr. Geeta Sikka, Associate Professor, Deptt. of CSE, NIT, Jalandhar
5. Dr. Anshu Bhasin, Assistant Professor, Main Campus, IKGPTU
6. Dr. Pankaj Deep Kaur, Assistant Professor, Dept. of CSE, GNDU Regional Campus, Jalandhar
7. Dr. Sumeet Kaur Sehra, Assistant Professor, Deptt. CSE, GNDEC, Ludhiana
8. Dr. Alok Kumar Singh Kushwaha, Assistant Professor, IKGPTU
9. Er. Mohit Jain Er. Mohit Jain, Database Administrator, IRC-UHVE, IKGPTU
10. Er. Rajat Khurana, M.Tech Student, IKGPTU Main Campus
11. Mr. Ankit Gautam, B.Tech Student, IKGPTU Main Campus

Following Members could not be present at the meeting

- Dr. Maninder Singh, Professor, Outside Expert, HOD CSE, Thapar Institute of Engineering & Technology, Patiala
- Mr. Rajeev Bansal, Industry Expert, Deptt. of CSE, Senior Consultant, Tata Consultancy, Gurgaon, Haryana
- Dy. Director, Assistant Director CR&A, Deptt. of CR&A, IKGPTU
- Dr. Rama Krishna, Professor, Deptt. of CSE, NITTTR, Chandigarh
- Dr. Lakhwinder Kaur, Professor, Pbi. Univ., Patiala
- Dr. Narotam Chand, Associate Professor, Deptt. of CSE, NIT, Hamirpur
- Dr. Jasbir Singh Saini, Associate Professor, GNDEC, Ludhiana

The Board took the agenda and following decisions were taken:

- BOS has Approved that candidates who are eligible to go to Thompson Rivers University, Candana under MoU of BE (Software Engineering) will undertake the scheme and syllabi

16/7/19 16/07/19 16/7/19 16/7/19

DEPUTY DIRECTOR
CAMPUS HOSHIARPUR

provided by Thompson Rivers University, Canada. Rest of the batch will take curriculum common to all B.Tech programs of IKGPTU.

- BOS has finalized that students who will be shifted to Thompson Rivers University, their grade points will be computed as per sheet provided by Thompson Rivers University enclosed as Annexure-1.
- The BOS has approved to follow same scheme and syllabi to B.Tech CSE for 2019 Batch as of affiliated colleges.
- The BOS has approved to follow same scheme and syllabi to Batch before 2019 as of afflicted colleges for B.Tech and M.Tech.
- The BOS has approved syllabus for Fundamentals of Computer and C Programming course of B.Sc. (Hons.) Mathematics.
- BOS has approved that MOOCs courses can be covered through courses offered by Swayam and NPTEL only. Chairperson, BOS will appoint MOOCs Coordinator from the department of every IKGPTU campus, for the period of the two years. The MOOCs coordinator will be responsible to permit the student to opt for Honor's courses (out of list of Honors courses available in scheme) through MOOCs and transfer of credit. For credit transfer UGC policy of credit transfer will be used.
- BOS has finalized that all core courses for MINOR Degree to be covered through classroom teaching only. However, for Electives, MOOCs coordinator will be responsible for finalizing course out of and related proposed Elective courses.
- BOS has approved proposed Vision, Mission of CSE Department.
- BOS has approved proposed PSOs, POS, COS (2018) for B.Tech and M.Tech.
- BOS approved schemes and syllabus for 2019 and pervious Batches of BCA to be same as of affiliated colleges Scheme & Syllabi.

The meeting ended with a vote of thanks.

List of members for signature:

Dr. Sandeep Sood 16/7/19

Dr. Manju Bala

Dr. Geeta Sikka 16/7/19

Dr. Anshu Bhasin 16/7/19

Dr. Pankaj Deep Kaur

Dr. Sumeet Kaur Sehra 16/7/19

Dr. Alok Kushwahi 16/7/19

Mr. Mohit Jain 16-07-19

Mr. Ankit Gautam

Er. Rajat Khurana

Dr. Monika Sachdeva
(Chairman)

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

Gmail

anshu bhasin <anshukmv@gmail.com>

Proceedings of BOS meet held on 5th August 21

7 messages

anshu bhasin <anshukmv@gmail.com> Mon, Aug 9, 2021 at 2:30 PM
To: Monika Sachdeva <Monasach1975@gmail.com>, Dr Manju Bala <drmanju571@gmail.com>, Parminder Singh <parminder2u@gmail.com>, sandeepkad@acetamritsar.org, harpreet_daviet@yahoo.in, ajaysharma@acetamritsar.org, dr.ramankumar@ptu.ac.in, san1198@gmail.com, sikkag@nitj.ac.in, Dr Krishan Kumar <ksalujauiet@gmail.com>

Respected BoS Members
Greetings !

Please find enclosed the MoM and documents related to the proceedings of agenda items. Kindly inform me if any unintentional mistake is identified , else please send your approval on the same in this mail thread only.
This mail will be forwarded to the Dean Academics office, as your kind consent on the attachments.

Thank you in anticipation.

regards

--
Dr. Anshu Bhasin
Asstt. Professor
Dept. of Comp. Sc. & Engg.
I.K.G Punjab Technical University , Main Campus
Kapurthala

2 attachments

BTech-Computer-Engineering 2019 onwards.pdf
958K

MoM.docx
21K

Ajay Sharma <ajaysharma@acetamritsar.org> Mon, Aug 9, 2021 at 2:48 PM
To: anshu bhasin <anshukmv@gmail.com>
Cc: Monika Sachdeva <Monasach1975@gmail.com>, Dr Manju Bala <drmanju571@gmail.com>, Parminder Singh <parminder2u@gmail.com>, "Dr. Sandeep Kad" <sandeepkad@acetamritsar.org>, harpreet_daviet@yahoo.in, dr.ramankumar@ptu.ac.in, san1198@gmail.com, sikkag@nitj.ac.in, Dr Krishan Kumar <ksalujauiet@gmail.com>

Thanks for the mail.
[Quoted text hidden]

Sandeep Sood <san1198@gmail.com> Mon, Aug 9, 2021 at 2:54 PM
To: anshu bhasin <anshukmv@gmail.com>, Monika Sachdeva <monasach1975@gmail.com>

Kindly change my affiliation to N.I.T. Kurukshetra.
[Quoted text hidden]
--
Dr. Sandeep Kumar Sood
Associate Professor, Computer Applications,
National Institute of Technology,
Kurukshetra-136119, Haryana, India
Mobile:9465204534
Skyp:live:.cid.9071aee726d33ae7

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

Mobile:9465204534

---

anshu bhasin <anshukmv@gmail.com> Mon, Aug 9, 2021 at 3:04 PM
To: Sandeep Sood <san1198@gmail.com>
Cc: Monika Sachdeva <monasach1975@gmail.com>

Noted.
[Quoted text hidden]

Sandeep Sood <san1198@gmail.com> Mon, Aug 9, 2021 at 4:32 PM
To: anshu bhasin <anshukmv@gmail.com>, Monika Sachdeva <monasach1975@gmail.com>

I give my acceptance to minutes of the BoS(CSE/IT) meeting held on 05/08/2021 as attached.

With Best Wishes,
Dr. Sandeep Kumar Sood
Associate Professor, Computer Applications,
National Institute of Technology,
Kurukshetra-136119, Haryana, India
Mobile:9465204534
Skyp:live:.cid.9071aee726d33ae7
Mobile:9465204534
On Mon, Aug 9, 2021 at 2:30 PM anshu bhasin <anshukmv@gmail.com> wrote:
[Quoted text hidden]

With Best Wishes,
[Quoted text hidden]

Parminder Singh <parminder2u@gmail.com> Mon, Aug 9, 2021 at 10:16 PM
To: anshu bhasin <anshukmv@gmail.com>

Madam,

I give my consent to the minutes of the BOS meeting.

Regards,
Dr. Parminder Singh
Professor and Head,
Department of Computer Science & Engineering,
Guru Nanak Dev Engineering College,
Gill Road, Ludhiana (Punjab) - 141 006
INDIA
Ph. +91-98555-76176 (m)
+91-161-5064547 (o)

On Mon, Aug 9, 2021 at 2:30 PM anshu bhasin <anshukmv@gmail.com> wrote:
>
[Quoted text hidden]

Monika Sachdeva <monasach1975@gmail.com> Tue, Aug 10, 2021 at 9:26 AM
To: anshu bhasin <anshukmv@gmail.com>

I agree to the attached MoM.

On Mon, 9 Aug 2021, 14:30 anshu bhasin, <anshukmv@gmail.com> wrote:
[Quoted text hidden]

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies (CSE/ IT), was held on 5th August,2021 at 11.00 a.m. through online (Google.meet) mode, with the due permission of the concerned office.

The agenda of the meeting were:

Agenda 1: Revisit the eligibility for M.tech- CSE (Artificial Intelligence) and M.tech-CSE (Cyber security) 2020 batch onwards

Agenda 2: Discuss the scheme & syllabus of B.Tech- SE, 2019 batch 6th semester onwards

Agenda 3: Discuss the scheme & syllabus of B.Tech CoE, 2019 batch 6th semester onwards

Following Members were present at the meeting:

1. Dr. Monika Sachdeva, Prof., Mohali Campus, IKGPTU
2. Dr. Sandeep Sood, Prof.,Associate Prof., NIT Kurukshetra
3. Dr. Krishan Saluja, Prof., UIET, Chandigarh
4. Dr. Geeta Sikka , Associate Prof., NIT, Jalandhar
5. Dr. Parminder Singh, Professor, GNDEC
6. Dr. Parminder Singh, Professor, GNDEC
7. Dr. Manju Bala, Professor., Khalsa College of Engg.& Tech., Amritsar
8. Dr. Harpreet Kaur, Associate Professor, Daviet, Jalandhar
9. Dr. Ajay Sharma, ACET, Amritsar
10. Dr. Sandeep Kad. ACET, Amritsar
11. Dr. Raman Kumar, MC, IKGPTU
12. Dr. Anshu Bhasin, Asstt. Prof. , BOS Coordinator, IKGPTU
13. Dr. Balwinder, Joint Director, CDAC, Mohali

Following members could not attend the meeting:

- Dr. Sumeet Kaur Sehra, GNDEC
- Dr. Navdeepak Sandhu, CR&A, IKGPTU
- Dr. Sunny Behal, SBSSTC, Ferozpur
- Mr. Jatinder Bansal , Design Consultant, TCS

The Board took the agenda and following decisions were taken:

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- The board very patiently listened to the representation of CDAC, Mohali on the **eligibility** of M.Tech- CSE(Cyber Security) and M.tech (Artificial Intelligence) and after deep deliberations it was revised as below:
  B.E. / B. Tech. (CSE/ IT/ Software Engg./ Computer Engg./ Software Systems/ Information Security/ Cyber Security/ Computational Engg./ Machine learning/ IoT/ Data Science) with atleast 50% (45% in case of candidate belonging to reserved category).

  OR

  B.E./ B.Tech in any stream as Major along with Minor degree in CSE.

  OR

  B.Tech. in any relevant/ appropriate branch of CSE as mentioned in the AICTE regulations, from time to time, under ***" Major Branches of Engineering / Technology and their relevant / appropriate branch of UG degree in Engineering / Technology".***

  The board maintained its opinion, as delivered in the last BoS meeting held on 16th june 2021, that though CDAC, is requesting to include Electronics and other relevant branches as eligibility, but same can not been considered keeping in line with the GATE, national level entrance exam, eligibility for M.Tech- CSE. Also it was focused that the core courses required for M.Tech(CSE) , particularly specialized programs as Artificial Intelligence and Cyber Secuirty, as a prerequisite are not included in B.Tech programs of Electronics and related streams from all institutes.
  Further, eligibility of M.Tech(CSE) of IKGPTU is similar to above and does not include B. Tech(Electronics and related fields) as eligibility.

- The board discussed on the requests received from the students, through mail, on the inclusion of Programming in Python as an elective option in the 5th sem. in the scheme of **B.Tech (Computer Engg.) 2019 onwards.**
  The board approved the same.
  The revised scheme and syllabus is enclosed along the MoM.

- The board proposed the list of Electives for B.tech- CoE and B.Tech- SE and decided to discuss details based on drafts in the next BoS meet.

The meeting ended with a vote of thanks. Due to online mode of meeting the MoM and other documents will be signed in hard copy at a later stage (Acceptance taken through mail may please be accepted).

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Dr. Sandeep Sood

Dr. Geeta Sikka

Dr. Manju Sharma

Dr. Krishan Saluja

Dr. Parminder Singh

Dr. Harpreet Kaur

Dr. Ajay Sharma

Dr. Sandeep Kad

Dr. Balwinder

Dr. Raman Kumar

Dr. Anshu Bhasin

Dr. Monika Sachdeva
(Chairman)

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies (CSE/ IT), was scheduled on 16th June,2021 at 11.00 a.m. through online(Zoom) mode, with the due permission of the concerned office.

The agenda of the meeting were:

Agenda 1: Discuss the complete syllabus of 7th and 8th sem of B.Tech- CSE 2018 and 2019 batch for university campuses

Agenda 2: Discuss the scheme & syllabus of B.Tech- SE, 2019 batch onwards

Agenda 3: Discuss the scheme & syllabus of B.Tech CoE, 2019 batch onwards

Agenda 4: Discuss the complete syllabus for 3rd sem onwards of B.Tech- CSE (AI & ML), B.Tech-CSE(Data Science), B.Tech- CSE (IoT& Cyber security including BlockChain Technology) 2020 batch onwards

Agenda 5: Revisit the eligibility for M.Tech- CSE (Artificial Intelligence) and M.Tech- CSE (Cyber security) 2020 batch onwards

Agenda 6: Discuss the PhD scheme as per new guidelines of UGC.

Agenda 7: Mapping of proposed course of B.Sc.(CS) from Wilfrid Laurier University, Canada with B.Tech (CSE), IKGPTU

Agenda 8: Propose detailed summer training guidelines for batch 2019 in reference to the notification by university in this regard

Following Members were present at the meeting:

1. Dr. Monika Sachdeva, Prof., Mohali Campus, IKGPTU
2. Dr. Sandeep Sood, Prof.,Central University
3. Dr. Krishan Saluja, Prof., UIET, Chandigarh
4. Dr. Geeta Sikka , Associate Prof., NIT, Jalandhar
5. Dr. Manju Bala, Prof., Khalsa College of Engg.& Tech., Amritsar
6. Dr. Ajay Sharma, ACET, Amritsar
7. Dr. Sunny Behal, SBSSTC, Ferozpur
8. Mr. Jatinder Bansal , Design Consultant, TCS
9. Dr. Sandeep Kad. ACET, Amritsar
10. Dr. Raman Kumar, MC, IKGPTU
11. Dr. Anshu Bhasin, Asstt. Prof. , BOS Coordinator, IKGPTU

Following members could not attend the meeting:

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- Dr. Parminder Singh, Professor, GNDEC
- Dr. Sumeet Kaur Sehra, GNDEC
- Dr. Navdeepak Sandhu, CR&A, IKGPTU

The Board took the agenda and following decisions were taken:

- The members deliberated on the scheme and detailed syllabus of **B.Tech-CSE, university campuses batch 2018** and finalized the same. The board proposed the revoke of semester courses, against 7th /8th semester training and suggested that the semester training can be offered at the institute level also for projects under learned faculty of university campuses, as per possibilities, along with the already prescribed forms, from time to time, of Industrial semester training.
  Further, the list of OPEN ELECTIVES can also be covered through MOOCs of Swayam/ NPTEL courses of 12 weeks along with certification. The list of these MOOCs will be provided by MOOCs coordinator of the institute, duly approved by the Chairperson of the BoS, as applicable from time to time. It is pertinent to mention that students can also opt for open electives offered by other departments of the institute.
  The scheme and syllabus, B.TECH – CSE 2018, university campuses, is enclosed with the MoM.
  For the batch 2019, B.Tech- CSE 5th semester, University campuses, the syllabus will remain same as to what is proposed and finalized for all other campuses.
  The scheme and syllabus, B.TECH – CSE 2019, university campuses, is enclosed with the MoM.

- The board discussed on the scheme of **B.Tech(Computer Engg.) 2019 onwards** and finalized the same.
  The detailed syllabus of 5th semester was approved.
  The scheme and syllabus is enclosed with the MoM

- The board discussed on the scheme of **B.Tech(Software Engg.) 2019 onwards** and finalized the same.
  The detailed syllabus of 5th semester was approved.
  The scheme and syllabus is enclosed with the MoM

- The members also reached on the consent that for all the New B.Tech – CSE specialized programs, started w.e.f. July 2020,as mentioned in agenda item no. 4, the scheme and syllabus will remain same as that of B.Tech –CSE, 2018 onwards scheme and syllabus till 4th semester. Further, from the 5th semester onwards the scheme will remain the same along with the list of all core courses mentioned, only the list of electives will be varied and provided specific to the specialized program.

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Based on the above decision the scheme and syllabus till 4th semester for B.tech- CSE (AI & ML), B.tech-CSE(Data Science), B.tech- CSE (IoT& Cyber security including BlockChain Technology) 2020 batch onwards, is enclosed with the MoM

- The board revisited on the **eligibility** of M.Tech- CSE(Cyber Security) and M.tech (Artificial Intelligence) and it was agreed that it will be:
  B.E. / B. Tech. (CSE/ IT/ Software Engg./ Computer Engg./ Software Systems/ Information Security/ Cyber Security/ Computational Engg./ Machine learning/ IoT/ Data Science) with atleast 50% (45% in case of candidate belonging to reserved category).
  The board was of the opinion that though CDAC, where these programs are being run, is requesting to include Electronics and other relevant branches as eligibility, but same can not been considered keeping in line with the GATE entrance exam eligibility for M.Tech- CSE. It is reinforced here that GATE, is national level M.Tech entrance exam.
  Also it was focused that the core courses required for M.Tech(CSE) , particularly specialized programs as Artificial Intelligence and Cyber Secuirty, as a prerequisite are not included in B.Tech programs other than included above.
  Further, eligibility of M.Tech(CSE) of IKGPTU is similar to above and does not include B. Tech(Electronics and related fields) as eligibility.

- The members appreciated the draft of PhD new scheme from Jan 2021, as proposed by the RIC department, based on the guidelines of UGC and urged its implementation.

- The mapping report of B.Sc.(CS) from Wilfrid Laurier University, Canada with B.Tech (CSE), IKGPTU was prepared and observations were recorded. **The report is enclosed along with the MoM.**

- The summer training for 4th Semester students, batch 2019 only, has been proposed during the 5th semester vide letter no. IKG-PTU/DA/2470 dated 12-3-21, due to the pandemic situation. The board decided that the same can be covered through:
  Online Industrial Internships
  OR
  MOOCs of Swayam/ NPTEL courses of 12 weeks along with certification. The list of these MOOCs will be provided by MOOCs coordinator of the institute, duly approved by the Chairperson of the BoS, as applicable from time to time
  OR
  Institute level with 60 hrs. training module.

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IKGPTU CAMPUS HOSHIARPUR

The meeting ended with a vote of thanks. Due to online mode of meeting the MoM and other documents will be signed in hard copy at a later stage (Acceptance taken through mail)

Dr. Sandeep Sood

Dr. Geeta Sikka

Dr. Manju Sharma

Dr. Krishan Saluja

Dr. Ajay Sharma

Dr. Sunny Behal

Dr. Raman Kumar

Dr. Sandeep Kad

Mr. JAtinder BAnsal

Dr. Anshu Bhasin

Dr. Monika Sachdeva
(Chairman)

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR

Gmail

anshu bhasin <anshukmv@gmail.com>

MoM and Docs related to BOS meeting held on 16 June 2021

7 messages

anshu bhasin <anshukmv@gmail.com> Wed, Jun 23, 2021 at 4:19 PM
To: Monika Sachdeva <Monasach1975@gmail.com>, Dr Manju Bala <drmanju571@gmail.com>, sandeepkad@acetamritsar.org, harpreet_daviet@yahoo.in, sunnybehal@sbsstc.ac.in, ajaysharma@acetamritsar.org, dr.ramankumar@ptu.ac.in, san1198@gmail.com, Krishan Saluja <k.salujasbs@gmail.com>, sikkag@nitj.ac.in, jatinder Bansal <bansal.jatinder@gmail.com>
Cc: Sarwan Singh <ssmailbag@yahoo.co.in>, vikaschawlaikgptu <vikas.chawla.ikgptu@gmail.com>

Respected BoS Member

Good Evening!
Apropos the BoS meeting held on 16 th June 2021 through online mode, please find enclosed with this mail the MoM and agenda wise documents prepared with the contribution of expert suggestions.
You are requested to suggest corrections, if any and approve the same in this mail thread only.
The same will be forwarded as your consent on the proceedings to the esteemed Dean Academics office.

Thank you in advance.
Regards
--
Dr. Anshu Bhasin
Asstt. Professor
Dept. of Comp. Sc. & Engg.
I.K.G Punjab Technical University , Main Campus
Kapurthala

11 attachments

- **MoM.pdf** 424K
- **Scheme and Syllabus of B.Tech CSE 2018 Batch-UC.pdf** 1792K
- **Scheme and Syllabus of B.Tech CSE 2019 Batch-UC.pdf** 1505K
- **BTech-Computer-Engineering 2019 onwards.pdf** 946K
- **Scheme and syllabus -SE.pdf** 1294K
- **Scheme & Syllabus-B.tech iot.pdf** 1040K
- **Scheme & Syllabus-B.tech(AI& ML).pdf** 1040K
- **Scheme & Syllabus-B.techdata science.pdf** 1040K
- **mapping remarks.pdf** 269K
- **List of MOOCs courses for Open Electives.pdf** 266K
- **Courses for Summer Training.pdf**

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IKGPTU CAMPUS HOSHIARPUR

181K

Dr. Sunny Behal <sunnybehal@sbsstc.ac.in> Wed, Jun 23, 2021 at 4:38 PM
To: anshu bhasin <anshukmv@gmail.com>

Dear Dr. Anshu Bhasin,

I have one observation regarding specialized B.Tech courses.

As we are now making a uniformity in the curriculum of semester 1 to 4 for all of these specialized courses, we can make it open to choose among C++/ java/Python for the implementation of OOP and Data Structures subjects depending upon the requirements of that particular specialized course or student choice.

Rest of the things seem fine to me and approved from my side.

Best wishes

Dr. Sunny Behal,
Dean Academics,
HOD-CSE (Data Science) and
PG Diploma in Cyber Security and Digital Forensic
Associate Professor, CSE Deptt
Shaheed Bhagat Singh State University, Ferozepur-152004
Mobile: +91-8288012007
Email:
sunnybehal@sbsstc.ac.in
sunnybehal@rediffmail.com
sunnybehal.sbs@gmail.com

Google Scholar Profile: https://scholar.google.co.in/citations?user=TVDsvK8AAAAJ&hl=en
ResearchGate Profile: https://www.researchgate.net/profile/Sunny_Behal
Scopus Profile: https://www.scopus.com/authid/detail.uri?authorId=54419434600
ORCID ID / Profile: https://orcid.org/0000-0002-9701-4358
Personal Web Page: https://sites.google.com/view/sunnybehal/home

[Quoted text hidden]

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anshu bhasin <anshukmv@gmail.com> Wed, Jun 23, 2021 at 5:36 PM
To: Dr Krishan Kumar <k.salujauiet@gmail.com>

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11 attachments

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- **Scheme and Syllabus of B.Tech CSE 2018 Batch-UC.pdf** 1792K
- **Scheme and Syllabus of B.Tech CSE 2019 Batch-UC.pdf** 1505K
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- **Scheme and syllabus -SE.pdf** 1294K
- **Scheme & Syllabus-B.tech iot.pdf** 1040K

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IKGPTU CAMPUS SHIARPUR

Scheme & Syllabus-B.tech(AI& ML).pdf
1040K

Scheme & Syllabus-B.techdata science.pdf
1040K

mapping remarks.pdf
269K

List of MOOCs courses for Open Electives.pdf
266K

Courses for Summer Training.pdf
181K

Ajay Sharma <ajaysharma@acetamritsar.org> Wed, Jun 23, 2021 at 6:08 PM
To: anshu bhasin <anshukmv@gmail.com>
Cc: Monika Sachdeva <Monasach1975@gmail.com>, Dr Manju Bala <drmanju571@gmail.com>, "Dr. Sandeep Kad" <sandeepkad@acetamritsar.org>, harpreet_daviet@yahoo.in, sunnybehal@sbsstc.ac.in, dr.ramankumar@ptu.ac.in, san1198@gmail.com, Krishan Saluja <k.salujasbs@gmail.com>, sikkag@nitj.ac.in, jatinder Bansal <bansal.jatinder@gmail.com>, Sarwan Singh <ssmailbag@yahoo.co.in>, vikaschawlaikgptu <vikas.chawla.ikgptu@gmail.com>

Thanks for the mail.
[Quoted text hidden]

Sandeep Sood <san1198@gmail.com> Thu, Jun 24, 2021 at 11:37 AM
To: anshu bhasin <anshukmv@gmail.com>

Respected Madam,

I hereby convey my formal acceptance to the attached draft MoM. The filled honorarium form is attached. Kindly forward it to the accounts section.

With Regards

On Wed, Jun 23, 2021 at 4:20 PM anshu bhasin <anshukmv@gmail.com> wrote:
[Quoted text hidden]

--
Dr. Sandeep Kumar Sood
Associate Professor, Computer Applications,
National Institute of Technology,
Kurukshetra-136119, Haryana, India
Mobile:9465204534
Skyp:live:.cid.9071aee726d33ae7
Mobile:9465204534

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887K

Dr. Sandeep Kad <sandeepkad@acetamritsar.org> Mon, Jun 28, 2021 at 10:07 AM
To: anshu bhasin <anshukmv@gmail.com>

Dear Ma'am,

Greetings!!

As discussed in the meeting held on 16th June, 2021 , the agenda items stand approved on my behalf.

Regards,

DEPUTY DIRECTOR
IKGPTU CAMPUS MOHALI-SHIARPUR

On Wed, Jun 23, 2021 at 4:20 PM anshu bhasin <anshukmv@gmail.com> wrote:
[Quoted text hidden]

--
Dr. Sandeep Kad,
Professor (Department of Computer Science and Engineering)
Amritsar College of Engineering and Technology, Amritsar
(Autonomous College, NAAC (A-Grade))

Monika Sachdeva <monasach1975@gmail.com> Mon, Jun 28, 2021 at 1:02 PM
To: anshu bhasin <anshukmv@gmail.com>

Dear Mam

I agree with the attached MOM.

Regards
Dr Monika Sachdeva
Professor, Department of Computer Science and Engineering
IKGPTU Mohali Campus- I, Mohali, Punjab
India

On Wed, Jun 23, 2021 at 4:20 PM anshu bhasin <anshukmv@gmail.com> wrote:
[Quoted text hidden]

DEPUTY DIRECTOR
IKGPTU CAMPUS HOSHIARPUR