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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 1<sup>st</sup> 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), 3<sup>rd</sup> and 4<sup>th</sup> 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. Daljit 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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*(Handwritten signatures and initials)*

DEPUTY DIRECTOR  
IKGPTU CAMPUS KAPURTHALA

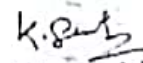


Dr. Avtar Singh Bhutar, IKOPTU main Campus, Special Invite


The Board took the agenda and following decisions were taken:

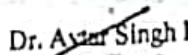
- The members deliberated on the syllabi proposed by AICTE on the 3<sup>rd</sup> and 4<sup>th</sup> semesters of B.tech-CSE 2018 onwards. The syllabi for the same is submitted along. The members recommended 5 percentage of variation from the proposed AICTE syllabi.
- The Laboratory list for each of the 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 Mathematics 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 chosen 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.

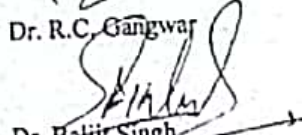
  
Dr. Krishan Saluja

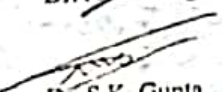
  
Dr. Harsh Verma

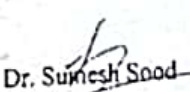
  
Dr. R.C. Gangwar

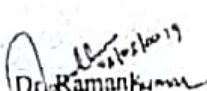
  
Dr. Avtar Singh Bhutar

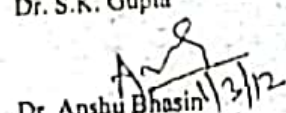
Dr. Ashish Arora

  
Dr. Baljit Singh

  
Dr. S.K. Gupta

  
Dr. Suresh Sood

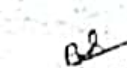
  
Dr. Ramankumar

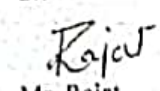
  
Dr. Anshu Bhasin 11/3/12

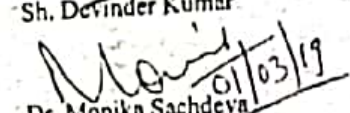
Dr. Sarjeet Singh

Sr. Sikander

  
Sh. Devinder Kumar

  
Sh. Balkir Singh (Parent)

  
Mr. Rajat

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



# IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

## Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 6<sup>th</sup> July 2017 at 11.30 a.m. in Seminar Hall, 2<sup>nd</sup> floor, Dept. of Academics, IKOPTU, 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 Dhatia, 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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Page 1 of 2

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**DEPUTY DIRECTOR**  
IKGPTU CAMPUS JALANDHAR

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR  
Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 6<sup>th</sup> July 2017 at 11.30 a.m. in Seminar Hall, 2<sup>nd</sup> 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. Rajjit Singh, Professor, BBSEC, Fatehgarh Sahib  
Dr. Rajesh Dhatia, Panjab Technology University, Chandigarh, *outside Expert*  
Dr. Krishan Saluja, Panjab University, Chandigarh, *outside Expert*  
Dr. R.C. Gangwar, Associate Professor, ICET, Gurdaspur  
Dr. S.K. Gupta, Associate Professor, ICET, Gurdaspur  
Dr. Dinesh, Associate Professor, DAVIET, Jalandhar  
Dr. Anshu Bhasin, IKGPTU Main Campus, *Member*  
Dr. Sumesh Sood, IKGPTU Derasar campus, *Member*  
Dr. Raman, IKGPTU Dinnagar 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.

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  - 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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DEPUTY DIRECTOR  
KAPURTHALA CAMPUS, KAPURTHALA



## IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

### Minutes of Meeting

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 9<sup>th</sup> November, 2017 at 11.30 AM in Seminar Hall, 2<sup>nd</sup> 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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RCG 9/11/17

*[Signature]*  
Sumesh Sood 9/11/17

*[Signature]*  
K. Singh

*[Signature]*  
9/11/17

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DEPUTY DIRECTOR

MAIN CAMPUS JALANDHAR



The board took the agenda and following decisions were taken.

1. The committee elaborated the proposed syllabi of 1<sup>st</sup> and 2<sup>nd</sup> 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. 1<sup>st</sup> 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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The meeting ended with a vote of thanks.

List of members for signature

Dr. Harsh Verma  
(Outside expert)

Dr. Krishan Saluja  
(Outside expert)

Dr. Parmit 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. Rakesh Kumar  
(Assistant Professor)

Dr. Monika Sachdeva  
(Chairman)

Page 2 of 2

Out come of each subject  
must be taken of from respective  
BOS.

(Dean Academic)

Mr. Sarwan  
Chairperson BOS/1100 CSE

Dr. Anshu Bhasin  
BOS-coordinator  
For needful  
9/11/17

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DEPUTY DIRECTOR  
GILARPUR

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# IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

## Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 27<sup>th</sup> April, 2018 at 11.00 a.m. in Seminar Hall, 2nd floor, Dept. of Academics, IKOPTU, 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, DBSEC, 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

1 of 3

*Handwritten signatures and initials:*  
A large signature in the center, possibly "Raman".  
Other signatures and initials are scattered around, including "Sachdeva", "Gangwar", "Sood", and "Verma".

DEPUTY DIRECTOR  
KAPURTHALA CAMPUS JALANDHAR

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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

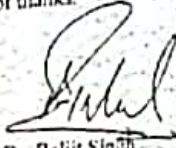
The Board took the agenda and following decisions were taken

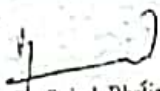
- The members agreed on the adoption of scheme and syllabi presented for M.tech ( Comp.Sc. and Engg.) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also deliberated on the list of experiments, which were not included in the 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 Schemo and Syllabus of semester I – Programming for problem solving ( Theory+ lab.) is submitted along.  
Due to shortage of time detailed syllabi of B.Tech, 3<sup>rd</sup>-8<sup>th</sup> semester could not be taken up.
- It was also further agreed that the scheme and syllabi of B.Tech- IT , 1<sup>st</sup> year will remain same as B.Tech-CSE, 1<sup>st</sup> 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. Daljit Singh

  
Dr. Rajesh Dhalia

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IKGPTU/18/0001/18  
20/07/18

# IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

## Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 30<sup>th</sup> July, 2018 at 10:30 am 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 Data Analytics) 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, ONDEC, Ludhiana

Dr. Baljit Singh, Professor, BHSEC, 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. Ramar, 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



The Board took the agenda and following decisions were taken

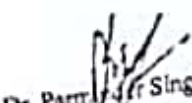
- i The members deliberated and agreed on the adoption of scheme and syllabi presented for M.Tech-CSE specialization in Cyber security 2018 onwards, based on the base model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also deliberated on the detailed syllabus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

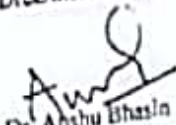
List of members for signature:

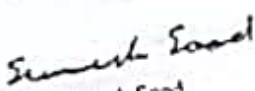
  
Dr. Bajjit Singh

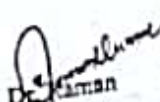
  
Dr. Dinesh Kumar


  
Dr. Harsh Verma

  
Dr. Parminder Singh

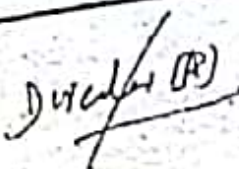
  
Dr. Anshu Bhasin

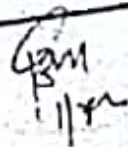
  
Dr. Sunesh Sood

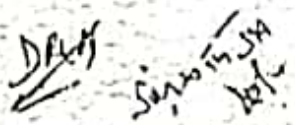
  
Dr. Aman

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

2 of 3

  
Dr. Gupta (P)

  
Dr. Singh

  
Dr. Singh



# IKGPTU PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

## Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 18<sup>th</sup> 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 6<sup>th</sup> semester for B. Tech (Computer Science and Engineering), 2018 batch onwards for IKGPTU Main Campus and constituent campuses.
2. To finalize syllabi of 4<sup>th</sup> semester for B. Tech (Computer Engineering), 2019 batch of IKGPTU Main Campus.
3. To finalize syllabi of 4<sup>th</sup> 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. Raina 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 6<sup>th</sup> semester for B. Tech (Computer Science and Engineering), 2018 batch onwards for IKGPTU Main Campus and constituent campuses.
- BOS has approved syllabi of 4<sup>th</sup> semester for B. Tech (Computer Engineering), 2019 batch of IKGPTU Main Campus.

1 of 2

DEPUTY DIRECTOR  
JALANDHAR



- BOS has approved syllabi of 4<sup>th</sup> 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)



# IKGPTU PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

## Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 20<sup>th</sup> 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 5<sup>th</sup> Semester (2018 batch onwards) for IKGPTU Main Campus and constituent campuses.
3. To finalize scheme and syllabi of 3<sup>rd</sup> and 4<sup>th</sup> semester for B. Tech (Computer Engineering), 2019 batch of IKGPTU Main Campus.
4. To finalize scheme and syllabi of 3<sup>rd</sup> and 4<sup>th</sup> 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 Schra, 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-UHIVE, 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.



- BOS has approved B. Tech (Computer Science and Engineering) syllabi for 5<sup>th</sup> Semester (2018 batch onwards) for IKGPTU Main Campus and constituent campuses.
- BOS has approved scheme and syllabi of 3<sup>rd</sup> and 4<sup>th</sup> semester for B. Tech (Computer Engineering), 2019 batch of IKGPTU Main Campus.
- BOS has approved scheme and syllabi of 3<sup>rd</sup> and 4<sup>th</sup> 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)

IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 16<sup>th</sup> 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 Honours 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, Dept. of CSE, GNDU, Regional Campus, Gurdaspur
3. Dr. Manju Bala, Professor, Khalsa College of Engg. & Tech., Amritsar
4. Dr. Geeta Sikka, Associate Professor, Dept. 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. Surmeet Kaur Sehra, Assistant Professor, Dept. CSE, GNDEC, Ludhiana
8. Dr. Akok Kumar Singh Kushwaha, Assistant Professor, IKGPTU
9. Er. Mohit Jain Er, Mohit Jain, Database Administrator, IRC-UHIVE, 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, Dept. of CSE, Senior Consultant, Tata Consultancy, Gurgaon, Haryana
- Dy. Director, Assistant Director CR&A, Dept. of CRAA, IKGPTU
- Dr. Rama Krishna, Professor, Dept. of CSE, NITTTR, Chandigarh
- Dr. Lakhwinder Kaur, Professor, Pbi. Univ., Patiala
- Dr. Narotam Choud, Associate Professor, Dept. 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, Canada under MoU of BE (Software Engineering) will undertake the scheme and syllabi

1 of 3 |  
Mok 17/7/19 | [Signature] 16/7/19 | [Signature] 16/7/19 | [Signature] 16/7/19 | [Signature] 16/7/19 | [Signature] 16/7/19 | [Signature] 16/7/19 | [Signature] 16/7/19

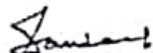
DEPUTY DIRECTOR  
CAMPUS JALANDHAR



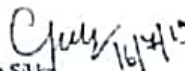
- provided by Thompson Rivers University, Canada. Rest of the batch will take curriculum common to all B.Tech programs of IKGPTU.
- BOS has finalized that students who will be shifted to Thompson Rivers University, their grade points will be computed as per sheet provided by Thompson Rivers University 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 affiliated 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 previous 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. Manja Bala

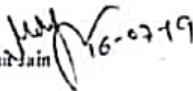
  
Dr. Geeta Sikka  
16/7/19

  
Dr. Anshu Bhasin  
16/7/19

  
Dr. Pankaj Deep Kaur

  
Dr. Sunjeet Kaur Sehra  
16/7/19

  
Dr. Abhishek Kumar  
16/7/19

  
Mr. Mohit Jain  
16-07-19

  
Mr. Ankit Gautam

  
Er. Rajat Khurana

  
Dr. Monika Sachdeva  
(Chairman)

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\_daviel@yahoo.in, ajaysharma@acetamritsar.org, dr.ramankumar@ptu.ac.in, san1198@gmail.com, sikkag@nitj.ac.in, Dr Krishan Kumar <ksalujaiet@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\_daviel@yahoo.in, dr.ramankumar@ptu.ac.in, san1198@gmail.com, sikkag@nitj.ac.in, Dr Krishan Kumar <ksalujaiet@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 SHARPUR



anshu bhasin <anshukmv@gmail.com>  
To: Sandeep Sood <san1198@gmail.com>  
Cc: Monika Sachdeva <monasach1975@gmail.com>

Mon, Aug 9, 2021 at 3:04 PM

Noted.  
[Quoted text hidden]

Sandeep Sood <san1198@gmail.com>  
To: anshu bhasin <anshukmv@gmail.com>, Monika Sachdeva <monasach1975@gmail.com>

Mon, Aug 9, 2021 at 4:32 PM

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>  
To: anshu bhasin <anshukmv@gmail.com>

Mon, Aug 9, 2021 at 10:16 PM

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>  
To: anshu bhasin <anshukmv@gmail.com>

Tue, Aug 10, 2021 at 9:26 AM

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 MUSHIARPUR

**IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR**

**Minutes of Meetings**

A meeting of Board of Studies (CSE/ IT), was held on 5<sup>th</sup> 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 6<sup>th</sup> semester onwards

Agenda 3: Discuss the scheme & syllabus of B.Tech CoE, 2019 batch 6<sup>th</sup> 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. Sumet 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:**



- 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 16<sup>th</sup> June 2021, that though CDAC, is requesting to include Electronics and other relevant branches as eligibility, but same can not be 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 Security, 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 5<sup>th</sup> 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).

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)



# IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

## Minutes of Meetings

A meeting of Board of Studies (CSE/ IT), was scheduled on 16<sup>th</sup> 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:

DEPUTY DIRECTOR  
IKGPTU CAMPUS MOHALI

- 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 7<sup>th</sup> /8<sup>th</sup> 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 5<sup>th</sup> 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 5<sup>th</sup> 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 5<sup>th</sup> 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 4<sup>th</sup> semester. Further, from the 5<sup>th</sup> 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.

DEPUTY CHAIRMAN  
UNIVERSITY CAMPUS  
SHIARPUR



Based on the above decision the scheme and syllabus till 4<sup>th</sup> 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 be 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 Security, 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 4<sup>th</sup> Semester students, batch 2019 only, has been proposed during the 5<sup>th</sup> 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.

DEPUTY DIRECTOR  
IKGPTU CAMPUS MOGHIAHPUR

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 DEAN  
NIGTU CAMPUS WASHIARPUR



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

7 messages

anshu bhasin <anshukmv@gmail.com>

To: Monika Sachdeva <Monasach1975@gmail.com>, Dr Manju Bala <dmanju571@gmail.com>, Wed, Jun 23, 2021 at 4:19 PM

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 lot.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

DEPUTY DIRECTOR  
IKGPTU CAMPUS MOSHIARPUR

Dr. Sunny Behal <sunnybehal@sbsstc.ac.in>  
To: anshu bhasin <anshukmv@gmail.com>

Wed, Jun 23, 2021 at 4:38 PM

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](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]

anshu bhasin <anshukmv@gmail.com>  
To: Dr Krishan Kumar <k.salujaiet@gmail.com>

Wed, Jun 23, 2021 at 5:36 PM

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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  
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1294K
- Scheme & Syllabus-B.tech lot.pdf  
1040K

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HIGHER EDUCATION CAMPUS, SIALKOT



-  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>  
To: anshu bhasin <anshukmv@gmail.com>

Wed, Jun 23, 2021 at 6:08 PM

Cc: Monika Sachdeva <Monasach1975@gmail.com>, Dr Manju Bala <drmanju571@gmail.com>, "Dr. Sandeep Kad" <sandeepkad@acetamritsar.org>, harpreet\_davlet@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>  
To: anshu bhasin <anshukmv@gmail.com>

Thu, Jun 24, 2021 at 11:37 AM


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

 Sood\_hon\_bos.pdf  
887K

Dr. Sandeep Kad <sandeepkad@acetamritsar.org>  
To: anshu bhasin <anshukmv@gmail.com>

Mon, Jun 28, 2021 at 10:07 AM

Dear Ma'am,

Greetings!!

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

Regards,

<https://mail.google.com/mail/u/0?ik=85b77affdd&view=pt&search=all&permthid=thread-a%3Ar5207143148332823754&siml=msg-a%3Ar5262185694...> 3/4

DEPUTY DIRECTOR  
IKGPTU CAMPUS BISHIARPUR

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>  
To: anshu bhasin <anshukmv@gmail.com>

Mon, Jun 28, 2021 at 1:02 PM

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]





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

Ref No TKYPTU/CE/BOS/001

Dated 28-06-19

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

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

**The following members were present:**

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

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

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

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

- 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.

*"Propelling Punjab to a Prosperous Knowledge Society"*

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

Jalandhar-Kapurthala Highway, Kapurthala-144 603

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

DEPUTY DIRECTOR  
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY  
IKGPTU CAMPUS HOSHIARPUR

Ref. No. IKGPTU/CE/BOS/001

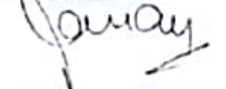
Dated 28-06-19

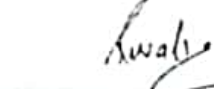
- The list of subjects for Program Core & Programme Elective Course the for Minor Degree in Civil Engineering batch 2018-22 onwards has been finalized. List attached at 'Annexure - B'.
- The already approved scheme and syllabus of M. Tech Civil Engineering with pspecialization in Structural Engineering 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

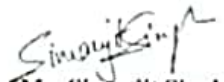
The meeting ended with vote of thanks.

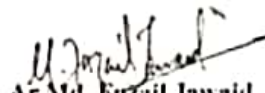
  
Dr. Geeta Arora

  
Dr. Maninder Singh

  
Dr. Rinku Walia

Dy. Director CR&A

  
Mr. Simarjit Singh

  
Ar. Md. Fuzail Jawaid  
(Coordinator)

  
Dr. Rajiv Chauhan  
(Chairman)

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

Jalandhar-Kapurthala Highway, Kapurthala-144 603

Mob.: 94658-8452 Mail : ptu.headoffice@gmail.com Website : www.ptu.ac.in

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Annexure - A

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

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



1/3

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**IKGPTU CAMPUS MOGHILARPUR**

## 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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 IKGPTU CAMPUS MOGHLAHPUR



## 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.

*[Handwritten signatures and initials]*

3/3

DEPUTY DIRECTOR  
TECHNICAL CAMPUS



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

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

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

**Professional Elective (PE) Course**

Sr.No	Semester	Programme Elective	Course Code	Course Title	Hrs/Week			Credits
					L	T	P	
1	VI (Even)	PE-1	BICE-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

*[Handwritten signatures]*

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Board of Studies(Civil Engineering)  
IKGJRAL Punjab Technical University

28 June,2019

*1/2*

**DEPUTY DIRECTOR**  
**IKGPTU CAMPUS MOSHIAPUR**





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

Track 1

Subject Code	Geotechnical Engineering
PECE-109	Ground Improvement Techniques

Track 2

Subject Code	Transportation Engineering
PECE-130	Transportation Economics

Track 3

Subject Code	Structural Engineering
PECE-155	Sustainable Construction Methods

Track 4

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

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

1. The student will have to earn at least (20) credits/5 subjects (whichever is higher) for award of the minor degree from the other branch/discipline. The candidate will have to clear at least 5 courses from the list approved by concerned BoS. out of the 5 courses (core + departmental elective) at least he/she has to choose 2 or more core subject and rest may be chosen from elective courses.
2. The students may be allowed to take maximum two (2) subjects per semester pertaining to their minor degree.

Board of Studies(Civil Engineering)  
IKGJRAL Punjab Technical University

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IKGPTU CAMPUS MOSHIARPUR

28 June, 2019

**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	Retun	29-Jul-19	18-Oct-19	17 November 2019	Core	UG		Yes
Foundation Engineering	Prof. Kousik Deb	IITKGP	12 Weeks	Retun	29-Jul-19	18-Oct-19	16 November 2019	Core	UG		Yes
Concrete Technology	Prof. B Bhattacharjee	IITD	12 Weeks	Retun	29-Jul-19	18-Oct-19	17 November 2019	Elective	UG		Yes
Design of Masonry Structures	Prof. Arun Anon	IITM	12 Weeks	Retun	29-Jul-19	18-Oct-19	16 November 2019	Elective	Both		Yes
Design of Reinforced Concrete	Prof. Nitin Dhang	IITKGP	12 Weeks	Retun	29-Jul-19	18-Oct-19	16 November 2019	Core	PG		Yes
Reinforced Concrete Road Bridges	Prof. Nitin Dhang	IITKGP	4 Weeks	Retun	20-Aug-19	20-Sep-19	16 November 2019	Elective	UG		Yes
Scheduling Techniques in Projects	Prof. J. Uma Maheswari	IITD	4 Weeks	Retun	26-Aug-19	20-Sep-19	16 November 2019	Elective	UG		Yes
Design of steel structures	Prof. Damodar Hathi	IITKGP	12 Weeks	Retun	29-Jul-19	18-Oct-19	17 November 2019				
Structural analysis-I	Prof. Amit Shaw	IITKGP	12 Weeks	Retun	29-Jul-19	18-Oct-19	17 November 2019				
Structural Dynamics for Civil	Prof. Riva Catherine George	IITK	4 Weeks	Retun	26-Aug-19	20-Sep-19	17 November 2019	Elective	Both		Yes
Fluid Mechanics	Prof. Subashtha Dutta	IITG	8 weeks	Retun	26-Aug-19	18-Oct-19	16 November 2019	Core	UG		
Principles of Construction	Prof. Sudhir Misra	IITK	8 weeks	Retun	29-Jul-19	20-Sep-19	29 September 2019	Elective	UG		Yes
Project Planning & Control	Prof. Koshi Varghese	IITM	8 weeks	Retun	29-Jul-19	20-Sep-19	29 September 2019	Elective	UG		Yes
Integrated Waste Management	Prof. Brajesh Kumar Dubey	IITKGP	12 Weeks	Retun	29-Jul-19	18-Oct-19	17 November 2019	Core	PG		Yes
Wastewater Treatment and	Prof. Manoj Kumar Tiwari	IITKGP	12 Weeks	Retun	29-Jul-19	19-Oct-19	16 November 2019	Core/Elective	Both		Yes
Matrix Method of Structural Analysis	Prof. Armit Shaw & Prof. Biswanath Banerjee	IITKGP	8 weeks	Retun	29-Jul-19	20-Sep-19	29 September 2019	Core	UG		Yes
Photoreology in Terrain	Prof. Javed N. Malik	IITK	8 weeks	Retun	26-Aug-19	18-Oct-19	17 November 2019	Elective	Both		Yes
Geosynthetics Testing	Prof. J. N. Mandal	IITB	4 Weeks	Retun	29-Jul-19	23-Aug-19	29 September 2019	Elective	Both		Yes
Geotechnical Engineering	Prof. J. N. Mandal	IITB	4 weeks	Retun	29-Jul-19	23-Aug-19	29 September 2019	Core	Both		Yes
Environmental Geotechnics	Prof. D. N. Singh	IITB	12 Weeks	Retun	29-Jul-19	18-Oct-19	16 November 2019	Core/Elective	UG		Yes
Remote Sensing and Digital Image Processing of Satellite Data	Prof. Arun K. Saraf	IITR	8 weeks	Retun	26-Aug-19	18-Oct-19	16 November 2019	Elective	UG		Yes
GPS Surveying	Prof. Jayanta Kumar Ghosh	IITR	4 Weeks	Retun	29-Jul-19	23-Aug-19	29 September 2019	Elective	Both		Yes
Sustainable Materials and Green	Prof. B Bhattacharjee	IITD	12 Weeks	Retun	29-Jul-19	18-Oct-19	16 November 2019	Elective	Both		Yes
Remote Sensing and GIS	Prof. Rishikesh Bhatti	IITG	8 weeks	Retun	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 & IITM	12 Weeks	Retun	29-Jul-19	18-Oct-19	16 November 2019	Elective	UG		Yes
Glass Processing Technology	Prof. E Rajasekar	Glass	12 Weeks	Retun	29-Jul-19	18-Oct-19	17 November 2019	Elective	Both		Yes
Advanced Concrete Technology	Prof. Manu Santhanam	IITM	12 Weeks	Retun	29-Jul-19	18-Oct-19	17 November 2019	Elective	PG		Yes

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**DEPUTY DIRECTOR**  
**IKGPTU CAMPUS MOSHIADUP**



Ref No IKGPTU/CE/BS/001.

Dated 28-06-19.

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

A meeting of Board of study Civil Engg. was held on June 28, 2019 at 10.00 am in office of HOD Civil Department CB-II Ground Floor, I.K. Gujral Punjab Technical University Jalandhar, Main Campus.

**The following members were present:**

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

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

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

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

- 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.

"Propelling Punjab to a Prosperous Knowledge Society"

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

Jalandhar-Kapurthala Highway, Kapurthala-144 603

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

DEPUTY DIRECTOR  
IKGPTU CAMPUS HOSHIARPUR

Ref. No. IKGPTU/CE/BOS/003

Dated 28-06-19

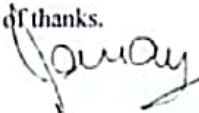
- The list of subjects for Program Core & Programme Elective Course the for Minor Degree in Civil Engineering batch 2018-22 onwards has been finalized. List attached at 'Annexure - B'.
- The already approved scheme and syllabus of M. Tech Civil Engineering with pspecialization in Structural Engineering 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

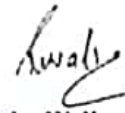
The meeting ended with vote of thanks.



Dr. Geeta Arora

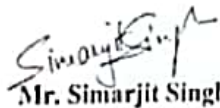


Dr. Maninder Singh

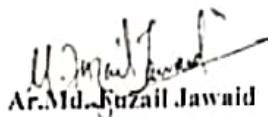


Dr. Rinku Walia

Dy. Director CR&A



Mr. Simarjit Singh



(Coordinator)

*"Propelling Punjab to a Prosperous Knowledge Society"*



Dr. Rajiv Chauhan

(Chairman)

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

Jalandhar-Kapurthala Highway, Kapurthala-144 603

Mob.: 94658-84852 Mail: [ptu\\_headcivil@gmail.com](mailto:ptu_headcivil@gmail.com) Website : [www.ptu.ac.in](http://www.ptu.ac.in)

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Annexure - A

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

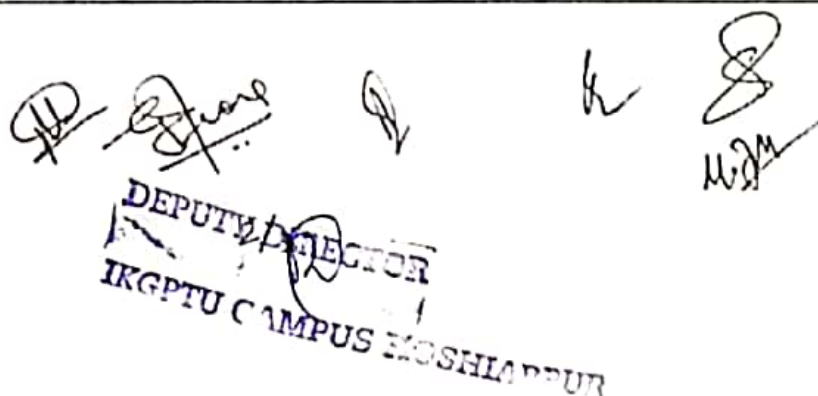
	Vision	Mission
<b>University Main Campus</b>	To be an institution of excellence in the domain of higher technical education that serves as the fountainhead for nurturing future leaders of technology and techno-innovation responsible for the techno-economic, social, cultural and environmental prosperity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



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 IKGPTU CAMPUS MOSHIAPUR

## 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.


  
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## Programme Educational Objectives (PEOs):

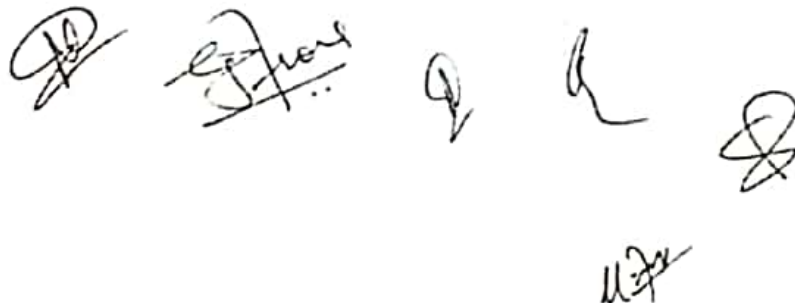
The graduates of Civil Engineering will be able to:

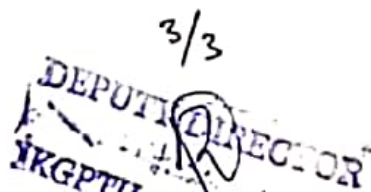
1. Determine and resolve complex civil engineering problems of the region with the help of modern engineering tools by application of technical knowledge and skills.
2. Promote smart, sustainable and cost-effective solutions in coherence with societal issues by abiding professionalism.
3. Become successful 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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**Bachelor of Technology in Civil Engineering  
Teaching Scheme for Undergraduate Degree Programme  
Annexure - B**

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

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

**Professional Elective (PE) Course**

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

Board of Studies(Civil Engineering)  
IKGJRAL Punjab Technical University

28 June,2019

1/2  
**DEPUTY DIRECTOR**  
 IKGPTU CAMPUS MOSHLAPUR



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

Track 1

Subject Code	Geotechnical Engineering
PECE-109	Ground Improvement Techniques

Track 2

Subject Code	Transportation Engineering
PECE-130	Transportation Economics

Track 3

Subject Code	Structural Engineering
PECE-155	Sustainable Construction Methods

Track 4

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

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

1. The student will have to earn at least (20) credits/5 subjects (whichever is higher) for award of the minor degree from the other branch/discipline. The candidate will have to clear at least 5 courses from the list approved by concerned BoS. out of the 5 courses (core + departmental elective) at least he/she has to choose 2 or more core subject and rest may be chosen from elective courses.
2. The students may be allowed to take maximum two (2) subjects per semester pertaining to their minor degree.

Board of Studies(Civil Engineering)  
IKGJRAL Punjab Technical University

28 June, 2019

2/2  
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IKGPTU CAMPUS MOGHIA PUNJAB

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

Strength of Materials	Prof. Suman Kumar	IIT&GP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Core	UG	Yes
Foundation Engineering	Prof. Koushik Deb	IIT&GP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Core	UG	Yes
Concrete Technology	Prof. B Bhattacharjee	IITD	12 Weeks	Rerun	20-Jul-19	18-Oct-19	17 November 2019	Elective	UG	Yes
Design of Masonry Structures	Prof. Arun Menon	ITM	12 weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Elective	Both	Yes
Design of Reinforced Concrete	Prof. Nirjhar Dhang	IIT&GP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Core	PG	Yes
Reinforced Concrete Road Bridges	Prof. Nirjhar Dhang	IIT&GP	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	IIT&GP	12 weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019			
Structural analysis-I	Prof. Amit Shaw	IIT&GP	12 weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019			
Structural Dynamics for Civil	Prof. Riya Catherine George	ITK	4 weeks	New	26-Aug-19	20-Sep-19	17 November 2019	Elective	Both	Yes
Fluid Mechanics	Prof. Subashisa Dutta	ITG	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. Kishy Varghese	ITM	8 weeks	Rerun	29-Jul-19	20-Sep-19	29 September 2019	Elective	UG	Yes
Integrated Waste Management	Prof. Brajesh Kumar Dubey	IIT&GP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Core	PG	Yes
Wastewater Treatment and Matrix Method of Structural Analysis	Prof. Manoj Kumar Tiwari Prof. Amit Sharm & Prof Biswanath Banerjee	IIT&GP	12 Weeks	Rerun	29-Jul-19	18-Oct-19	16 November 2019	Core Elective	Both	Yes
Photogeology in Terrain	Prof. Javed N. Malik	ITK	8 weeks	Rerun	26-Aug-19	18-Oct-19	17 November 2019	Elective	Both	Yes
Geosynthetics Testing	Prof. J. N. Mandal	ITB	4 Weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019	Elective	Both	Yes
Geotechnical Engineering	Prof. J. N. Mandal	ITB	4 weeks	Rerun	29-Jul-19	23-Aug-19	29 September 2019	Core	Both	Yes
Environmental Geotechnics	Prof. D. N. Singh	ITB	12 Weeks	New	29-Jul-19	18-Oct-19	16 November 2019	Core Elective	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 Bhatti	ITG	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	ITM & 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	ITM & Glass	12 Weeks	Rerun	29-Jul-19	18-Oct-19	17 November 2019	Elective	Both	Yes
Advanced Concrete Technology	Prof. Manu Samhanam	ITM	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 27<sup>th</sup> 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 Gindhar, Professor, GNDEC, Ludhiana

Dr. Baljit Singh, Professor, DBSEC, 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 Dhasin, 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

1 of 3

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IKGPTU CAMPUS MOSHIAPUR

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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

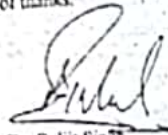
The Board took the agenda and following decisions were taken

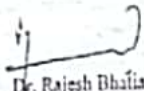
- The members agreed on the adoption of scheme and syllabi presented for M.tech ( Comp.Sc. and Engg.) 2018 onwards, based on the model proposed by AICTE. The evaluation criteria was finalised along with course codes. The board also deliberated on the list of experiments, which were not included in the 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 Schema and Syllabus of semester I – Programming for problem solving ( Theory+ lab.) is submitted along.  
Due to shortage of time detailed syllabi of B.Tech, 3<sup>rd</sup>-5<sup>th</sup> semester could not be taken up.
- It was also further agreed that the scheme and syllabi of U.Tech- IT , 1<sup>st</sup> year will remain same as B.Tech-CSE, 1<sup>st</sup> 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

2 of 3

  
Emerald Sood

  
Dr. Anand Kumar



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IKGPTU CAMPUS BOSHILARPUR

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## IKG PUNJAB TECHNICAL UNIVERSITY, JALANDHAR

### Minutes of Meetings

A meeting of Board of Studies, Computer Science Engineering, was scheduled on 30<sup>th</sup> July, 2018 at 10:30 am. 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 Data Analytics) 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, Reid. Professor, GNDU, Amritsar, Ex- chairperson

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

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




The Board took the agenda and following decisions were taken

- i 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.
- ii 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 deliberated 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.
- iii 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 sought 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. Bajjit Singh


  
Dr. Dinesh Kumar

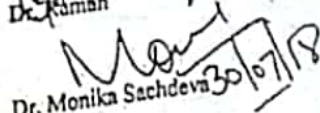
  
Dr. Harsh Verma

  
Dr. Parminder Singh

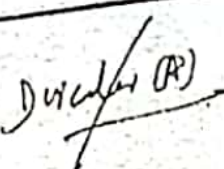
  
Dr. Anshu Bhasin

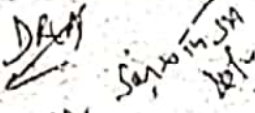
  
Dr. Suresh Sood

  
Dr. Asman

  
Dr. Monika Sachdeva  
(Chairman) 30/7/18

2 of 3

  
Dr. Anshu Bhasin

  
Dr. Anshu Bhasin

Date: 20-05-2020

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

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

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

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

*M. Singh*

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2.3	Item 52.04.12 of the 52 <sup>nd</sup> Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 <sup>nd</sup> Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted by BoS with following remarks: *The publications must either be published or accepted in SCI, Scopus and Journals in UGC-CARE list, mere communications shall not be accepted. The Members of BoS authorize Chairman BoS (CE), HoD (CE) Main Campus, Coordinator and one member of BoS (CE) to sign relevant documents.														
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 <sup>rd</sup> Semester to B. Tech. Civil Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3<sup>rd</sup> Semester to B. Tech. Civil Engineering program</p> <p>Student who opts for B. Tech. Civil Engineering programme in 3<sup>rd</sup> Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="678 952 1404 1512"> <thead> <tr> <th data-bbox="678 952 893 1064">Student opting for B. Tech CE from B. Tech.</th> <th colspan="3" data-bbox="893 952 1404 1064">Bridge /Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="678 1064 893 1164">Computer Science Engineering</td> <td data-bbox="893 1064 1061 1512" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1061 1064 1236 1512" rowspan="5">BTPH101-18 (Theory) BTPH111-18 (Laboratory)</td> <td data-bbox="1236 1064 1404 1512" rowspan="5">Not applicable</td> </tr> <tr> <td data-bbox="678 1164 893 1243">Computer Engineering</td> </tr> <tr> <td data-bbox="678 1243 893 1321">Electrical Engineering</td> </tr> <tr> <td data-bbox="678 1321 893 1400">Mechanical Engineering</td> </tr> <tr> <td data-bbox="678 1400 893 1512">Electronics and Communication Engineering</td> </tr> </tbody> </table> <p data-bbox="678 1512 1404 1904">                     i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course                      ii) The Bridge /Additional course will be evaluated by the concerned teacher allocated the said course thought internal evaluation at department/college/constituent campus level.                      iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.                      iv) The student opting for change of branch must qualify the course within one year of change of branch.                 </p>			Student opting for B. Tech CE from B. Tech.	Bridge /Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH101-18 (Theory) BTPH111-18 (Laboratory)	Not applicable	Computer Engineering	Electrical Engineering	Mechanical Engineering	Electronics and Communication Engineering
Student opting for B. Tech CE from B. Tech.	Bridge /Additional courses															
Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH101-18 (Theory) BTPH111-18 (Laboratory)	Not applicable													
Computer Engineering																
Electrical Engineering																
Mechanical Engineering																
Electronics and Communication Engineering																

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

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

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

*[Handwritten Signature]*


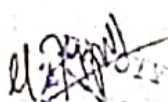
DEPUTY DIRECTOR

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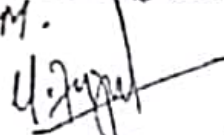
		<ul style="list-style-type: none"> <li>• From the available relevant on-line SWAYAM/MOOCs courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS.</li> <li>• The number of credits for SWAYAM/MOOCs courses for Minor degree in in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/MOOCs course.</li> <li>• The following step are proposed to be followed for credits earned through SWAYAM/MOOCs courses:                         <ul style="list-style-type: none"> <li>i) For each semester the student to take up online SWAYAM/MOOCs courses approved by the BoS.</li> <li>ii) Student to take permission (written) from Constituent Campus/ Department for registration.</li> <li>iii) On successful completion of each SWAYAM/MOOCs in each semester the student to submit self-attested copy of certificate (on-line/hard) to Constituent Campus/ Department.</li> <li>iv) The Constituent Campus/ Department to verify the certificate and there after Constituent Campus/ Department to convey to the Examination Branch through the office of Dean Academics.</li> <li>v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme.</li> </ul> </li> <li>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.</li> </ul>
2.13	Notification "Regarding New Programme", Ref. No. JKGPTU/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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<p>2020 due to Covid-19 pandemic, the change of pattern of Question paper and Propose the Names of Paper Setters for each subject. Ref. No. e-file I-15/534/2020-COE, received through email on 11th may 2020</p>	<p>of examinations, award of pass/fail, open book exam, etc. and to overcome the shortcomings such as internet connectivity, methods to check Unfair Means, multiple gadgets use, etc. The BoS (CE) recommended that the final decisions for conduct of examinations may be taken up by Controller of Examinations/Academic Council/other competent authority.</p> <p>The BoS (CE) accepted the procedure for paper setters as proposed and necessary information of Paper Setters from the respective institute of each BoS member to be conveyed to Chairman BoS(CE) within two working days.</p>
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→ Consent was taken via e-mail from all the members for approval of MOM.

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

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

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Ref. No. BK-PTU/BOA/C&E/ 4x5

Date 27/4/2018

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

A meeting of Board of Study Civil Engg was held on April 24<sup>th</sup> 2018 at 11:00 a.m. in Conference Room, 7<sup>th</sup> Floor, Department of Academics, I.K. Gujral Punjab Technical University Campus.

The following member were present:

- Dr. Rajiv Chaudha, HOD, Civil Engineering, BKPTU, (Chairman)
- Dr. S.S. Gill, GNDRC, Ludhiana (Member)
- Dr. Jagbir Singh, GNDRC, Ludhiana (Member)
- Dr. Sanjiv Nara, DAVIT Jalandhar
- Dr. T. Palaniam, Associate Prof. BKPTU,
- Dr. Chander Prakash, BKPTU, Kapurthala (Coordinator)
- Dr. Vandana Khosla, BKPTU -Kapurthala
- S. Navdeep Singh, BKPTU -Kapurthala

The following member were not present :

- Dr. Hardeep Singh Rai, GNDRC, Ludhiana (Member)
- Dr. Sanjay Sharma, EVS, JCU, Jammu
- Dr. Neeraj Singh, BKPTU -Kapurthala (Member)
- Dr. Mukta Sharma, BKPTU -Kapurthala
- Dr. Harvinder Singh, GNDRC, Ludhiana
- Dr. Adarshpal Vig, GNDRI, Amritsar
- Dr. A.K. Ahuja, IIT, Roorkee
- Dr. Deepak Kashyap, IIT, Roorkee

The board discussed the agenda and following decisions were made.

1. The syllabus of EVS for UG courses (ACTE & UGC) got approved.
2. Regarding proposed scheme of B.Tech. Civil Engg. with reference to ACTE model curriculum 2018 more discussion is required with other members of BOA who could not attend today's meeting. A workshop regarding model curriculum as proposed by ACTE 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 ACTE Model curriculum 2018 got approved with inclusion of Technical Seminars.
4. The Vision & Mission of the Civil Engg. Department BKPTU 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. S.S. Gill

Dr. Jagbir Singh

Dr. T. Palaniam

Dr. Vandana Khosla

Dr. Sanjiv Nara

Dr. Chander Prakash

Dr. Navdeep Singh

Dr. Rajiv Chaudha

DEPUTY DIRECTOR  
BKPTU CAMPUS

Ref. No. IKGPTU/CE/3196

Dated 12/02/2021

Minutes of Meeting

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

The following members were present in the meeting

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

1. The Board deliberated upon the already circulated detailed scheme and syllabus of B.Tech Civil Engineering 6<sup>th</sup> semester for Main and Constituent campuses for 2018 batch onwards and finalized the same.
2. The Board also deliberated upon the professional elective and open elective courses to be offered by the Department of Civil Engineering (Main & Constituent campuses) for the upcoming even semester (Feb-June 2021) and proposed 4 subjects each in 3 different tracks of professional elective with 4 credits each and 2 subjects as open elective (to be offered for students of other branches) having 3 credits.
3. The credits of open elective courses, non-credit compulsory course on Constitution of India has been finalized as 3 credits, and the total credit limit of B.Tech (Civil Engineering) Course to be close to 160 credits for as per recommendation of AICTE. (Continued...)

*[Signature]*

"Propelling Punjab to a Prosperous Knowledge Society"

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

Jalandhar-Kapurthala Highway, Kapurthala-144 603

Mob : 94659-84852 Mail : ptu.headoffice@gmail.com Website : www.ptu.ac.in

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

The meeting ended with vote of thanks by the chairperson.

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

  
Ar. Md Fuzail Jawaid  
Coordinator BoS

  
Dr. Rajiv Chauhan  
Chairperson BoS

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Minutes of the Meeting  
Meeting of Board of Studies Marine Engineering  
Venue: Conference hall, Department of Academics  
Date and Time: August 6, 2014 & 10:30 am

The following members were present:

1. Cdr. Balvir Singh, Chairman
2. Crd. Salinder Singh, Member
3. Dr. Dinesh Arora, Special Invitee
4. Prof. K.K.Gupta, Special Invitee
5. Er. Subash Kumar, Member
6. Dr. Dalveer Kaur Member-cum-coordinator

The following were discussed in the meeting :

- (i) It has been suggested by BOS Members that for B.Tech Marine Engg. Batch 2013 (for 3<sup>rd</sup> & 4<sup>th</sup> semester) the subjects will be taken from B.Tech Mechanical Engg Batch 2011, as Mechanical Engg is core competency for Marine Engg.
- (ii) Two subjects have been replaced (one in 3<sup>rd</sup> semester and one in 4<sup>th</sup> semester). These are Workshop Technology and Basic Ship Construction & Design respectively, in place of Manufacturing Process-I and Manufacturing Process-II.
- (iii) The scheme and syllabil of B.Tech Marine Engg Batch 2013 for semester 3<sup>rd</sup> and 4<sup>th</sup> has been finalized.
- (iv) The scheme and syllabus of B.Tech Marine Engg Batch 2013 for rest of the semesters (i.e. 5<sup>th</sup> to 8<sup>th</sup> semesters) will be finalized in next BOS meeting.

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

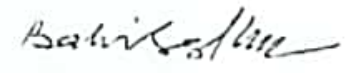
  
Dr. Dinesh Arora

  
Dr. Dalveer Kaur

  
Prof. K.K.Gupta

  
Crd. Salinder Singh

  
Er. Subash Kumar

  
Cdr. Balvir Singh

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The 1<sup>st</sup> meeting of newly constituted BOS Aeronautical/Aerospace Engineering was held on 18/10/14 at 10.30 Am in the PTU Mohali Campus

Following members were present in the meeting

Er. Kishori Lal, Professor, PEC- University of Technology, Chandigarh (Chariman)  
Er. Y.S. Chauhan, Prof (Retd) PEC- University of Technology, Chandigarh  
Dr Om Parkash, Head Aero Engineering Department, University of Petrollum & Energy Studies, Dehradun  
Mr R.C. Sharma Ex Director, RCMA, DRDO House No 2033, Sector 69 Mohali  
Dr T.K. Jindal Associate Prof, PEC University of Technology, Chandigarh  
Dr R.K. Tripathi Associate Prof, University of Petroleum and Engineering Studies, Dehradeeon  
Er Bhawani Singh Assistant Prof HOD (Aeronautics & Aerospace Department) GVIET Banur  
Er Jimmy Kansal Dy Director, SASE, Sector 37 A, Chandigarh  
Dr Avtar Singh Buttar Associate Prof, PITK, Main Campus PTU

Following where not present in the meeting

Dr Satish Kumar, Director, Terminal Ballastics Research Laboratory, New Delhi  
Mr A. Rampal Scientist F TBRL, DRDO, Chandigarh  
Er Devabrata Sahoo Assistant Prof,(Aeronautics & Aerospace Department) GVIET Banur  
TPO PTU Nominee  
CII PHD TIE Nominee

The board took the agenda and made following decisions.

1. List of Paper setter and examiners for all the courses of Aeronautical and Aerospace Engineering was finalized and will be submitted by Coordinator BOS by 31/10/2014.
2. It was decided that Code no's and Titles with contents of the courses carry Code no's of Mechanical, Aeronautical, Aerospace Engineering need review and to be modified in the next BOS meeting.

*Q.P.K.*  
18/10/14

*Y.S.C.*  
18-10-14

*Om Parkash*  
18/10/14

*R.C. Sharma*  
18/10/2014  
DEPT. DIRECTOR  
IKGPTU CAMPUS MOHALI

*Bh. Singh*  
18/10/14

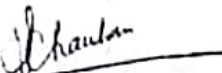
*Bh. Singh*  
18/10

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3. As PTU has introduced credit based curriculum, the existing curriculum has to be upgraded to credit based system and to be finalized in the next meeting and to be submitted to the University.
4. It was decided that in the next meeting, BOS has to take up the matter regarding fixing of maximum text books for each subjects and reference books to be included as per requirements of syllabus.


The meeting ended with vote of thanks

  
Er. Kishori Lata 18/10/14

  
Er. Y.S. Chauhan

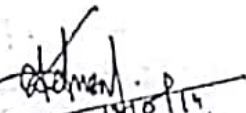
  
Dr Om Parkash 18/10/14

  
Mr B.C. Sharma

  
Dr T.K. Jindal 18/10/2014

  
Dr R.K. Tripathi 18/10/14

  
Er Bhawani Singh

  
Er Jimmy Kansal 18/10/14

  
Dr Avtar Singh Buttar

DEPUTY DIRECTOR  
IKGPTU CAMPUS MUSHIARPUR



## MINUTES OF MEETING

The first meeting of the Board of Studies (Mechanical Engineering/ Production Engineering/Industrial Engineering/ Automobile Engineering/ Automotive Technology/ Automation & Robotics Engineering/ Tool Engineering) constituted vide Notification No. PTU/Reg/BOS/Notification/305 dated 25.06.2014 was held on Friday, 05.09.2014 at 10.00 am in the Conference Hall, 2<sup>nd</sup> Floor, Department of Academics, Punjab Technical University, Jalandhar - Kapurthala highway, Punjab. Following were the agenda points:-

1. Welcome to the new members and thanks to the outgoing Chairman BOS.
2. To finalize the list of Paper Setters for the conduct of Theory (Regular) and Theory (Reappear) examinations of B. Tech. and M. Tech. Programs.
3. To discuss the migration/ equivalency of syllabus cases.
4. To suggest some additions/ deletions in list of open elective subjects.
5. To discuss about the credit based evaluation system.
6. Any other issue with the permission of the Chairman BOS.

Following members of the BOS were present and actively participated:-

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| 1. Dr. Paramjit Singh            | Chairman                              |
| 2. Dr. Sehijpal Singh            | Member (Outgoing Chairman/ Professor) |
| 3. Prof. R.P. Singh Suker-Chakia | Member (Professor)                    |
| 4. Dr. Dilbag Singh              | Member (Assoc. Professor)             |
| 5. Er. Pardeep Jindal            | Member (Asstt. Professor)             |
| 6. Dr. Avtar Singh Buttar        | Member (Coordinator)                  |

Following members of the BOS couldn't attend the meeting:-

- |                        |                           |
|------------------------|---------------------------|
| 1. Dr. H. S. Bains     | Member (Professor)        |
| 2. Dr. Hazoor Singh    | Member (Assoc. Professor) |
| 3. Dr. R. S. Bhatti    | Member (Assoc. Professor) |
| 4. Dr. Balwinder Singh | Member (Asstt. Professor) |
| 5. Dr. Harpreet Singh  | Member (Asstt. Professor) |
| 6. Er. Ashok Gupta     | Member (Outside Expert)   |
| 7. CII/PHD/TIE Nominee | Member (Outside Expert)   |
| 8. TPO PTU Nominee     | Member (Outside Expert)   |

The minutes of the meeting are as under:-

1. The Chairman welcomed all members and introduced the new members of the Board. He also expressed words of gratitude on behalf of the Punjab Technical University, to the previous members of the BOS and especially to the Outgoing Chairman of the Board for their excellent and dedicated contributions.
2. In reference to the second Agenda Item, the Board sought the previous list of Paper Setters from the concerned officials of PTU so that the same list may be modified and updated, but

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DEPUTY DIRECTOR  
KGPPTU CAMPUS  
JALANDHAR

*D. Bilga*  
12/09/2014

they were reluctant to provide the list. Thus, it was unanimously decided that the Chairman and Coordinator will make a common Proforma (keeping in view the guidelines for Paper Setters) having subject names and subject codes of the B.Tech. (Regular and Reappear) and M.Tech. (Regular & Reappear) from the Study Schemes of all the Courses related to this BOS and the Coordinator will send the Soft Copy of the same to known teachers of repute from the top Institutes in the State and nearby States to provide the requisite information. For submission of comprehensive lists of Paper Setters, the Board needs some more time to send correct and authenticated lists to the university. Final list of paper setters will be sent to the University after the proposed lists received from different institutions in due course of time, possibly later than Sept.10, 2014. Thus, the university may use the experts from the existing panel of paper setters available with them for the coming Nov/Dec., 2014 Examinations.

3. In order to speed up the process of scrutiny of cases related to migration/ equivalency/mapping of syllabus, the BOS had authorized following members to go through the details of the Study Scheme and Syllabus of concerned university of the Applicant and compare it with the details of the Study Scheme and Syllabus of PTU program and submit the Report to the Chairman in the Proforma (Migration/Equivalency/Mapping of Syllabus Case) attached herewith:-

- a) Dr. Dilbag Singh (subjects related with subject area of Thermal Sciences/ Engg.)
- b) Dr. Hazoor Singh (subjects related with subject area of Manufacturing Sciences/ Engg.)
- c) Er. Pradeep Jindal (subjects related with subject area of Design and Automation Engg.)
- d) Dr. Balwinder Singh (subjects related with subject area of Management and Industrial)

The Chairman will send to the aforesaid authorized members of BOS particularly, or depending on the non-availability of these member/s, then to some other member/s in place of them, the scanned/ soft copies of the authenticated syllabus of requisite subjects after getting the same from the coordinator/ PTU's concerned officials and compile the Final Report after getting the report related to the area of concern alongwith the filled Proforma (enclosed herewith) back from the aforesaid authorized members and after consultation with the Professor/s of this Board.

4. It is strongly recommended that the University should send each case of migration/ equivalency/mapping of syllabus to the BOS alongwith details of Study Scheme and Syllabi of subjects passed by the Applicant only. The BOS will map only the contents of subjects passed by the Applicant with the contents of PTU Study Scheme and Syllabus. With regard to the subjects passed by the Applicant related with the Applied Sciences, Computer Science & Engg., Electrical Engg., Electronics Engg. or other disciplines, the University should take the opinion of the concerned Board of Studies and get it compared/mapped with subjects related to the concerned Study Scheme of this BOS and send the copy of the opinion to the Chairman and members of this BOS.

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IKGPTU CAMPUS MOSHIARPUR  
12/11/2014



In respect to subjects in which the Applicant has failed or detained, there is no need to map the contents of that subjects with the contents of PTU subjects because he/she has to go through those contents and pass under PTU as per Rules and Regulations.

5. The university should not send any migration/ equivalency/mapping of syllabus case to BOS until the requisite Documents (complete and authenticated in all respects) of the Applicant are not received by the university or available with the university. The BOS will not be responsible for any delay in work of mapping of the contents of the syllabus of such cases. If somehow the BOS sends their Report based on the *partial/incomplete* documents provided by the University then onus of the same lies on the university officials. It is, thus recommended strongly that don't send any Incomplete/partial case to the Board.
6. The board needs at least the following Photostat Copies of essential documents duly signed and stamped by the PTU's concerned official/office to process the cases of migration/equivalency/mapping of syllabus:-
  - a) Application duly signed by the student himself/herself, with university diary no. & date.
  - b) NOC of both the Institutions.
  - c) DMCs/ Result notifications of the student passed in the course till date. These documents should be duly attested by concerned University's competent official/ at least self attested by the applicant.
  - d) Detailed syllabus of the course presently being studied by the student upto which the Applicant has attended the course. Preferably, the syllabus should have the stamp and signatures from the issuing authority. OR it should be at least self attested by the Applicant.
7. In regard to the migration/ equivalency of syllabus cases of the following Applicants sent to the Chairman and Coordinator by the University:-
  - a) Mr. Sahil Sood s/o Mr. Vinod Kumar Sood (Roll No. A2305411268), Amity University, Noida
  - b) Mr. Harpreet Singh s/o Mr. Charanjeet Singh (Roll No. APG 1091051315), APG Shimla University
  - c) Mr. Sachin Arora s/o Mr. Ashok Kumar (Roll No. CUN 110104100), Chitkara University
  - d) Mr. Harmanpreet Singh s/o Mr. Malhara Singh (Roll No. 13095513), Shri Guru Granth Sahib World Sikh University, Fatehgarh Sahib

the members present had gone through their Cases and observed that there were lots of anomalies in the documents of the Applicants. The members asked for some of the requisite documents but the concerned officials were unable to provide the same during the Meeting. So, the Report of these cases had been discussed and the Chairman will send the report shortly to the University.

For the future cases or the cases for reconsideration out of the aforesaid will be dealt by the BOS as per the method outlined and decided by the BOS in these minutes of meeting.

DEPUTY DIRECTOR  
Page 3 of 4  
IKGPTU CAMPUS MOSHIAPPUR

12/08/2014

8. The members go through the existing list of open elective subjects and proposed the following new subjects to be included in the revised list of open elective subjects:-

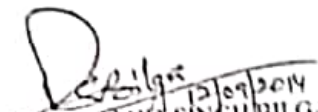
- a) DE/ME-1.3 Non-Conventional Energy Resources
- b) DE/ME-2.3 Operations Management
- c) DE/ME-2.6 Maintenance and Reliability Engg.
- d) DE/ME-2.5 Project Management
- e) DE/ME-3.5 Industrial Safety and Environment
- f) DE/ME-3.6 Entrepreneurship


9. The BOS has reviewed the credit based evaluation system and the study scheme of Electrical Engg. sent to the chairman BOS by the University as reference. It was found that the credits for the project work and the semester in which industrial training is there in this scheme is not according to the credit based evaluation system passed by the Academic Council. The responsibility of converting the existing Study Schemes of B.Tech. and M. Tech. Programs as per the Credit based evaluation system passed by the Academic Council will be given to Chairman and Dr. Shijpal Singh, member BOS.

10. It was decided that the chairman and coordinator will compile the minutes of meeting and email to the members of the board for approval. If the member's will not give any reply or suggestions to the contents of the email within 3 days, then it will be treated as his/her approval for the same. The chairman will then send hard and soft copy of the approved and duly signed minutes of meeting to the Dean (Academics) and soft copy of the same to the members of the Board.

11. Under the Head, any other Item with the Permission of Chair:-

Some Senior Faculty of Colleges affiliated with PTU had represented to Prof. RPS Suker-Chakia, Ex-Chairman BOS and senior member of BOS, regarding the changes done in the syllabi of ME-209 Applied Thermodynamics-I and ME-208 Applied Thermodynamics-II and subsequently modified subjects formed with new codes as BTME304 Applied Thermodynamics-I and BTME404 Applied Thermodynamics-II. Prof. Suker-Chakia was convinced with the logics put-up by the worthy teachers, which carry weight and Substance. The issue will be discussed in the next meeting of BOS, and appropriate amendments, if possible shall be incorporated.

  
Dr. PARANJIT SINGH BILGA  
Chairman (BOS)

Encl: Performa (Migration/Equivalency/Mapping)  DIRECTOR

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## Minutes of the Meeting:

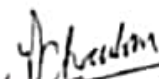
The 2nd Meeting of BOS Aeronautical Engineering was held on May 11, 2012 at 1400 Hrs. in PTO, Mohali Campus.

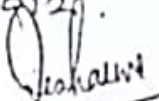
The following members attend the meeting:

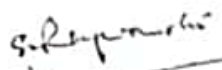
- (1) Prof. Y.S. Chanchan, (Chairman)
- (2) Prof. R. S. Sharma, (Member)
- (3) Prof. S.C. Rajvanshi, (Sp. Inviter)
- (4) Prof. Kishori Lal, (Member)
- (5) Er. Sneehi Bahl, (Sp. Member)
- (6) Ms. Gopal Sharma, (Convener)

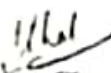
The board took the agenda and decided the following:

- (1) The scheme of 7<sup>th</sup> & 8<sup>th</sup> 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 7<sup>th</sup> & 8<sup>th</sup> Semester were finalized and approved.
- (3) The final scheme and syllabus of B.Tech 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 memo 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. Chanchan

  
Prof. R. S. Sharma

  
Prof. S.C. Rajvanshi

  
Prof. Kishori Lal

  
Er. Sneehi Bahl

  
Ms. Gopal Sharma

DEPUTY REG. OR  
IKGPTU CAMPUS MOHALI

Er. Gauri Sharma

chf/107

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

The following members were present at the meeting:

Dr. Sehjpal Singh (Chairman)	Dr. H.S. Shan
Dr. R.P.Singh Suker-Chakia	Dr. R.S.Bhatti
Dr. S.S.Jolly	Dr. Hajoor Singh
Prof. Pardeep Jindal	Invitee members

Apologies for absence were received from the following members:

Dr. R.K.Awasthi	Dr. A.K.Manna
Dr. Harpreet Singh	Dr. Dilbagh Singh
Dr. R.S.Walia	Dr. Paramjit Singh
CII Representative, Chandigarh	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 3<sup>rd</sup> and 4<sup>th</sup> 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 syllabi of 5<sup>th</sup> to 6<sup>th</sup> 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.

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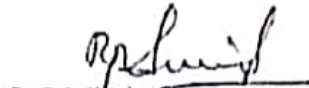
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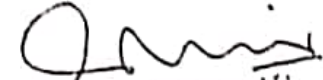
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Dr. H.S. Shan

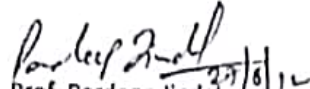
  
Dr. R.P. Singh Suker-Chakla


  
Dr. Sehjpal Singh

  
Dr. S.S. Jolly

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

  
Dr. Hajoör Singh 27.6.12

  
Prof. Pardeep Jindal 27/6/12

DEPUTY DIRECTOR  
  
IKGPTU CAMPUS MOSHIARPUR

## 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 :

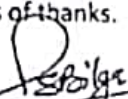
1. Dr. Sehijpal Singh, HoD Mech. Deptt. GNDEC (Chairperson)
2. Dr. P.S.Bilga, Associate Professor, GNDEC (Member BOS)
3. Mr. Sushil Seli (Special Expert Industrial)
4. Mr. Hardeep Singh (Special Expert Industrial)
5. Mr. Ajay Singh Rana, Associate Professor LCET Lud. (Special Expert)
6. Mr. Raman Kumar,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

The board took the Agenda and made the following recommendations :

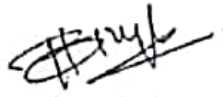
1. The scheme of 3<sup>rd</sup> to 8<sup>th</sup> Semester of B.Tech Automobile Engg. was finalized for Batch 2011 onwards. The copy of the same is enclosed as Annexure-A.
2. The Syllabus of 3<sup>rd</sup> semester of B.Tech Automobile Engg. was finalized for Batch 2011 onwards. The copy of the same 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) 25/8/2012

  
(Sushil Seli)

  
(Hardeep Singh)

  
(Ajay Singh Rana)

  
(Raman Kumar)

DEPUTY DIRECTOR  
IKGPTU CAMPUS MOSHIARPUR



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

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 were discussed and finalized. *The copy will be sent to members by chairman*

*[Signature]*  
27/4/13

*[Signature]*

*[Signature]*  
27/04/13

*[Signature]*  
27/4/2013

27/4  
DEPUTY DIRECTOR  
IKGPTU CAMPUS MOSHIAPUR

2. The draft of the syllabi of 5<sup>th</sup> 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 5<sup>th</sup> and 6<sup>th</sup> Sem B.Tech (Prod) shall be finalized in the next meeting of BOS. Dr. Dilbagh Singh will coordinate with Prod Engg Dept 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 5<sup>th</sup> 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 next meeting of BOS.
6. The scheme of M.Tech (Mechatronics and Robotics) was discussed and modified. The detailed syllabi of 2<sup>nd</sup> sem shall be prepared by BBSBEC representative and sent to chairman. The syllabi will be get approved by circulation among the members.

*Edh*  
Dr. Sehijpal Singh

*P.S.Bh*  
Dr. P.S. Bhargava  
27/4/2013

*BWS*  
Dr. Balwinder Singh Sidhu  
27/4/13

*DS*  
Dr. Dilbagh Singh  
27/04/2013

*Ha*  
Dr. Harish Purootra  
27/4/13

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

*S.S*  
Prof S. Saha, BBSBEC

*R.P.S*  
Dr. R.P. Singh Suker-Chakia  
27.4.13

*S.S.J*  
Dr. S.S. Jolly  
27/4

*P.P*  
Prof. Pardeep Jindal  
27/4/13

*R.S.B*  
Dr. R.S. Bhatti

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

*A.M*  
Dr. A. Mannal  
27/4/2013

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

*A.S.R*  
Prof A.S. Rana  
27/4/13

DEPUTY DIRECTOR  
IKGPTU CAMPUS MOSHIAPUR

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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 ;

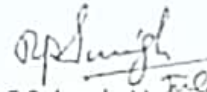
1. Dr. Sehijpal Singh
2. Dr.R.P.S.Sukerchakia
3. Dr.S.S.Jolly
4. Dr. Balwinder Singh
5. Dr.Dilbag Singh
6. Dr. Alakesh Manna
7. Dr. Hazoor Singh
8. Dr. P.S.Bilga
9. Dr. R.K.Awasthi
10. Er.Pardeep Kumar
11. S.Gaganjot Singh

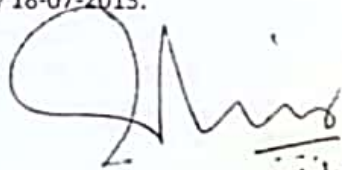
The BOS has taken following decisions

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

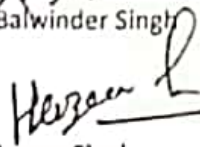
  
Dr.R.P.S.Sukerchakia 12/7/2013

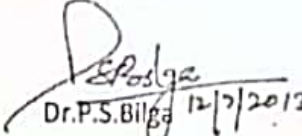
  
Dr.S.S.Jolly 12/7/13

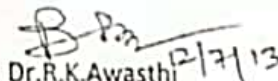
  
Dr. Balwinder Singh 12/7/13

  
Dr. Dilbag Singh 12/7/13

  
Dr. Alakesh Manna 12/7/13

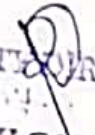
  
Dr. Hazoor Singh

  
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

  
DEPUTY DIRECTOR  
PTU CAMPUS MOHIALA



## 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 12<sup>th</sup> 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 contents of subjects of the running semester (5<sup>th</sup> Sem). LCET Katani Kalan shall organize this workshop by calling subject experts with in one week & submit the syllabus of 5<sup>th</sup> 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 3<sup>rd</sup> and 4<sup>th</sup> semester subjects should be prepared in the light of suggestions/ recommendation made by BOS members/experts.
- 3) The contents of 6<sup>th</sup> 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.

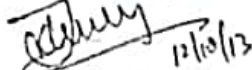
  
Dr. Kirpal Singh


  
Dr. RPS Sukerchakia 12.10.13


  
Dr. Parmjit Singh 12/10/2013

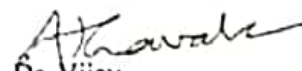
  
Er. Pardeep Jindal 12/10/13

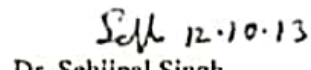
  
Dr. Y.N.Gupta

  
Er. Jagdeep Singh 12/10/13

  
Dr. S.S.Ahuja 12/10

  
Dr. H.S.Payal  
12/10/13.

  
Dr. Vijay

  
12.10.13  
Dr. Sehijpal Singh  
Chairman

DEPUTY DIRECTOR  
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Punjab Technical University

(Minutes of meeting)

Date: 23/01/2014

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 23<sup>rd</sup> January, 2014 at 11:00 am. The following members were present in the meeting

- Dr. Sehjpal Singh, Department of Mech Engg., GNDEC Ludhiana
- Dr. R.P.S. Sukerchakla, 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 6<sup>th</sup> & 7<sup>th</sup>/ 8<sup>th</sup>) & B.Tech Automation & Robotics (Semester 6<sup>th</sup> & 7<sup>th</sup>/ 8<sup>th</sup>) 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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

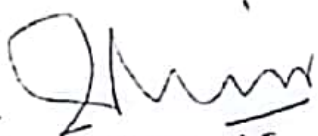

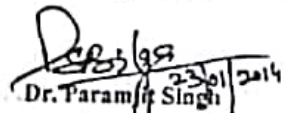

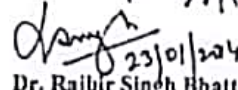
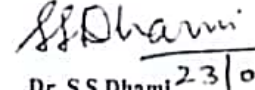
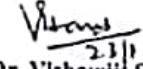
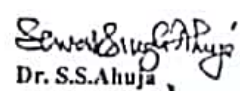


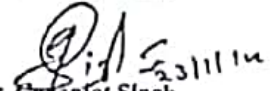
happen to mismatch with the current requirements and trends in the specific Industry. Consequently, the students are the worst sufferers who face gross problems and difficulties in their placements. All BOSs and affiliated Colleges may please be issued relevant Instructions/Office Orders for necessary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

 Dr. Sehipal Singh	 Dr. R.P.S. Sukerchakia	 Dr. S. S. Jolly	 Dr. Balwinder Singh
 Dr. Paramjit Singh	 Dr. Alakesh Manna	 Dr. Rajbir Singh Bhatti	 Dr. S.S. Dhali
 Dr. Vishawjit Singh	 Dr. S.S. Ahuja	 Mr. Manjeet Singh	 Mr. Kulwinder Singh
 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 21<sup>st</sup>, 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 Principal, 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 (India) Pvt. Ltd.

The board took the agenda and made the following recommendations:

1. The contents of syllabus<sup>ii</sup> of various subjects of 3<sup>rd</sup> and 4<sup>th</sup> semesters were discussed and finalized. In the light of deliberations made, final and edited version of the syllabi 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 syllabi 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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**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 3<sup>rd</sup> and 4<sup>th</sup> 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 5<sup>th</sup> 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 syllabi 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 1<sup>st</sup> 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 2<sup>nd</sup> year.
5. The course B.tech Automation and Robotics Engg. Following comments must be incorporated in 3<sup>rd</sup> and 4<sup>th</sup> sem .
  - A) Subject BTAR 209 & 211 in the 3<sup>rd</sup> semester looks out of place for a specific B.Tech course like Automation & Robotics.
  - B) Right from 3<sup>rd</sup> semester onwards the courses look 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 3<sup>rd</sup> semester look one focused. It would be better if 3<sup>rd</sup> semester has basic course on TOM, or on Automation (in MFG).
  - C) BTAR 208 in 4<sup>th</sup> semester may be shifted to the 3<sup>rd</sup> semester.  
Even BTAR 218 should go to the 3<sup>rd</sup> semester. These can be Interchanged with BTAR 205 & BTAR 203.
  - D) BTAR-314 & BTME-103 look repetitive . 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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*[Signature]*  
Dr. R.P Singh Sukerchakia 20/4/2012

*[Signature]*  
Dr. H.S Shan

*[Signature]*  
Dr. Sehjpal Singh

*[Signature]*  
Dr. Parraj Singh 20/4/2012

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Dr. Dilbag Singh

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Dr. A. Mann

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Dr. S.S Jolly

*[Signature]*  
Dr. Balwinder Singh

Dr. R.S Bhatti

Prof A.S Rana

*[Signature]*  
Prof. Pradeep Jindal

DEPUTY DIRECTOR  
K.G.P.T.U. CAMPUS MOSHIANPUR