



Deepika Bhalla <deepika.bhalla89@gmail.com>

For kind approval: Minutes of 3rd Meeting (on-line) of BoS Electrical Engineering (Main Campus and Constituent Campuses) held on 18/01/2021.

10 messages

Deepika Bhalla <deepika.bhalla89@gmail.com>

Mon, Jan 18, 2021 at 3:29 PM

To: "Dr. Yadwinder Singh" <ysbrar@ptu.ac.in>, jagdishkumar@pec.ac.in, YOG RAJ <yrsood@nith.ac.in>, jsdhillon@sliet.ac.in, "J.S. Dhillon" <jsdhillonp@yahoo.com>, Gagandeep Kaur <gaganee@ptu.ac.in>, Chakradhar Reddy Chandupatla <reddy@iitrpr.ac.in>, kds@gndec.ac.in, KD Singh <kds97dee@gmail.com>, dr.rakeshbhanga@ptu.ac.in, Navneet Singh <navneetbhangu@gmail.com>, nsbhangu@gndec.ac.in, Akhil Gupta <akhilgupta1977@gmail.com>, "ashwani.k.sharma ." <ashwani.k.sharma@nitkkr.ac.in>, Dilbag Singh <drdilbag@gmail.com>, Naveen Sharma <naveen31.sharma@gmail.com>, "deepika.bhalla89" <deepika.bhalla89@gmail.com>

Respected All,

Please find appended the Minutes of the meeting held earlier today. The relevent documents are attached with.

Your approval is requested for.

Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online ([Google Meet Link: https://meet.google.com/jvk-yndm-iro](https://meet.google.com/jvk-yndm-iro)) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).

The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special Invitee)

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken																					
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 Electrical Engineering is adopted. Action Taken: Information available on website.																					
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. Action Taken: Information available on website.																					
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.																					
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="764 1549 1377 2018"> <thead> <tr> <th data-bbox="773 1556 943 1654">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="943 1556 1369 1654">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="773 1654 943 1766">Computer Science Engineering</td> <td data-bbox="943 1654 1081 1766">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1081 1654 1227 1766">BTPH102-18 (Theory)</td> <td data-bbox="1227 1654 1369 1766" rowspan="4">Not applicable</td> </tr> <tr> <td data-bbox="773 1766 943 1829">Computer Engineering</td> <td data-bbox="943 1766 1081 1829"></td> <td data-bbox="1081 1766 1227 1829">BTPH112-18 (Laboratory)</td> </tr> <tr> <td data-bbox="773 1829 943 1892">Civil Engineering</td> <td data-bbox="943 1829 1081 1892"></td> <td data-bbox="1081 1829 1227 1892"></td> </tr> <tr> <td data-bbox="773 1892 943 1955">Mechanical Engineering</td> <td data-bbox="943 1892 1081 1955"></td> <td data-bbox="1081 1892 1227 1955"></td> </tr> <tr> <td data-bbox="773 1955 943 2018">Electronics and</td> <td data-bbox="943 1955 1081 2018"></td> <td data-bbox="1081 1955 1227 2018"></td> <td data-bbox="1227 1955 1369 2018">BTEE-101-</td> </tr> </tbody> </table>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering		BTPH112-18 (Laboratory)	Civil Engineering			Mechanical Engineering			Electronics and			BTEE-101-
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		Communication Engineering	18 (Theory) BTEE-102-18 (Laboratory)
		<p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>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.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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 BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>	

Item No.	Agenda	Discussions and Decision Action Taken
2.6	Item 52.08 of the 52 nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 th /8 th semester (Not available in model curriculum of AICTE)	Item 52.08 of the 52 nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 th /8 th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7 th or 8 th Semester (Subject to approval from Competent Authority). Action taken: Approval from Chairman of Academic council available Draft available on website.
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	On account of item 2.6, the BoS discussed, revised and approved: (a) The teaching scheme of 3 rd year B.Tech. in Electrical Engineering programme. (b) The syllabus of 5 th Semester B.Tech. in Electrical Engineering programme. (c) The draft of teaching scheme of 4 th year B.Tech. in Electrical Engineering programme. Action taken: Approval from Chairman of Academic council available Draft available on website.
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering programme.	(a) The BoS accepted the Course Title, Course code, of courses of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering as communicated by the University. Action Taken: Information available on website. (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. Pending

Item No.	Agenda	Discussions and Decision Action Taken
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website. <u>Discussion and Decision in 3rd meeting of BoS</u> All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>
2.10	<p>A. To finalise the on-line SWAYAM/MOOCS courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCS for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.11	Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)	<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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <p>a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms.</p> <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme. "If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority."</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items








Item No.	Agenda	Discussion and Decision
3.1	The syllabus of 6th Semester B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus of 6th Semester B.Tech. Programme in Electrical Engineering.
3.2	The syllabus of Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering.
3.3	To finalize the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session (b) August-December 2020 (b) January-May 2021.	<p>(b) The BoS post-facto approved the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session August-December 2020</p> <p>(b) The BoS discussed and finalized the courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session January-May 2021.</p>

Item No.	Agenda	Discussion and Decision
3.4	Proposal of starting B. Tech. Minor Degree of in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering as per IKGPTU/Reg/NF/2056, dated 17/05/2019, "Guidelines for Major and Minor Degree in B. Technology". IKGPTU/DAA/2347, dated 28/02/2020, "Regarding AICTE approval process handbook 20-21, Chapter VII point 7.3.2.	The BoS agreed to start a B. Tech. Minor Degree in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering. The students of B.Tech. ME/B.Tech. ME (LEET) are eligible to undertake the B. Tech. Minor Degree of in Electrical Vehicles programme in 3rd semester. The programme will be offered by Department of Electrical Engineering. The draft of the Teaching Scheme was discussed and approved and the same to be shared with BoS(ME) Main and Constituent campuses. Request to be sent to BoS (ME) for Teaching scheme and syllabus for students pursuing Major Degree in Electrical Engineering B. Tech. who desire to opt for Minor Degree of in Electrical Vehicles programme in 3rd semester.
3.5	To make available on website the procedure for (a) Minor Degree (b) Honors Degree draft.	The BoS recommended the posting of the procedure for (a) Minor Degree (b) Honors Degree draft on website.
3.6	To approve the list of e-books for Under Graduate programme of Electrical	Deferred.

The Members of BoS (EE) authorize Chairman BoS, HoD (EE) Main Campus, Coordinator and one member of BoS to sign relevant document.

There being no further points the meeting ended with a thanks to the Chair.

7 attachments

-  **2.4 Bridge courses or additional subjects for change in branch.pdf**
85K
-  **3.2 Syllabus of open electives Electrical Engineering.pdf**
149K
-  **3.3 (a) August-December 2020 MOOCS courses for Minor or Honors Degree in EE .pdf**
117K
-  **3.3 (b) January -May 2021MOOCS courses for Minor or Honors Degree in EE .pdf**
160K
-  **3.1 Syllabus of 6th Semester B. Tech. Electrical Engineering.pdf**
237K
-  **3.4 Draft Teaching Scheme of Minor degree in EV.pdf**
123K
-  **3.5 Draft Procedure for honors and Minor degree.pdf**
135K

Naveen Sharma <naveen31.sharma@gmail.com>
To: Deepika Bhalla <deepika.bhalla89@gmail.com>

Mon, Jan 18, 2021 at 3:36 PM

Minutes as per discussion

On Mon, 18 Jan, 2021, 15:29 Deepika Bhalla, <deepika.bhalla89@gmail.com> wrote:

Respected All,
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Your approval is requested for.
Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
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Minutes of Meeting held on January 18, 2020

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The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).
The following Members were present:

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3. Dr Yog Raj Sood
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12. Dr Naveen Kumar Sharma (special Invitee)
13. Dr Deepika Bhalla, Convener

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2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="792 1192 1399 1780"> <thead> <tr> <th data-bbox="792 1192 971 1297">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="971 1192 1399 1297">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="792 1297 971 1402">Computer Science Engineering</td> <td data-bbox="971 1297 1101 1612" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1101 1297 1263 1539">BTPH102-18 (Theory)</td> <td data-bbox="1263 1297 1399 1612" rowspan="2">Not applicable</td> </tr> <tr> <td data-bbox="792 1402 971 1476">Computer Engineering</td> <td data-bbox="1101 1539 1263 1612">BTPH112-18 (Laboratory)</td> </tr> <tr> <td data-bbox="792 1476 971 1539">Civil Engineering</td> <td data-bbox="1101 1612 1263 1780" rowspan="3">BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)</td> <td data-bbox="1263 1612 1399 1780" rowspan="3"></td> </tr> <tr> <td data-bbox="792 1539 971 1612">Mechanical Engineering</td> </tr> <tr> <td data-bbox="792 1612 971 1780">Electronics and Communication Engineering</td> </tr> </tbody> </table> <p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>ii) The Bridge /Additional course will be evaluated by the concerned teacher allocated the said course</p>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering	BTPH112-18 (Laboratory)	Civil Engineering	BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)		Mechanical Engineering	Electronics and Communication Engineering
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Item No.	Agenda	Discussions and Decision Action Taken
		<p>thought internal evaluation at department/college/constituent campus level.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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 BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.6	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)</p>	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7th or 8th Semester (Subject to approval from Competent Authority).</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	<p>On account of item 2.6, the BoS discussed, revised and approved:</p> <p>(a) The teaching scheme of 3rd year B.Tech. in Electrical Engineering programme.</p> <p>(b) The syllabus of 5th Semester B.Tech. in Electrical Engineering programme.</p> <p>(c) The draft of teaching scheme of 4th year B.Tech. in Electrical Engineering programme.</p> <p>Action taken: Approval from Chairman of Academic council available</p> <p>Draft available on website.</p>
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical 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 Electrical Engineering as communicated by the University.</p> <p>Action Taken: Information available on website.</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>Pending</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p>Discussion and Decision in 3rd meeting of BoS All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <ol style="list-style-type: none"> a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms. <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme.</p> <p>"If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority."</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1		

Dilbag Singh <drdilbag@gmail.com>

Mon, Jan 18, 2021 at 4:12 PM

To: Deepika Bhalla <deepika.bhalla89@gmail.com>

Cc: "Dr. Yadwinder Singh" <ysbrar@ptu.ac.in>, Jagdish Kumar <jagdishkumar@pec.ac.in>, YOG RAJ <yrsood@nith.ac.in>, jsdhillon@sliet.ac.in, "J.S. Dhillon" <jsdhillonp@yahoo.com>, Gagandeep Kaur <gaganeer@ptu.ac.in>, Chakradhar Reddy Chandupatla <reddy@iitrpr.ac.in>, kds@gndec.ac.in, KD Singh <kds97dee@gmail.com>, dr.rakeshbhanga@ptu.ac.in, Navneet Singh <navneetbhangu@gmail.com>, nsbhangu@gndec.ac.in, Akhil Gupta <akhilgupta1977@gmail.com>, "ashwani.k.sharma ." <ashwani.k.sharma@nitkr.ac.in>, Naveen Sharma <naveen31.sharma@gmail.com>

Approved.

On Mon, 18 Jan 2021, 3:29 pm Deepika Bhalla, <deepika.bhalla89@gmail.com> wrote:

Respected All,

Please find appended the Minutes of the meeting held earlier today. The relevant documents are attached with.

Your approval is requested for.

Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online ([Google Meet Link: https://meet.google.com/jvk-yndm-iro](https://meet.google.com/jvk-yndm-iro)) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).

The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special invitee)
13. Dr Deepika Bhalla, Convener

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken
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 Electrical Engineering is adopted. Action Taken: Information available on website.

Item No.	Agenda	Discussions and Decision Action Taken														
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. Action Taken: Information available on website.														
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.														
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="792 907 1399 1495"> <thead> <tr> <th data-bbox="792 907 971 1012">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="971 907 1399 1012">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="792 1012 971 1117">Computer Science Engineering</td> <td data-bbox="971 1012 1101 1327" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1101 1012 1253 1117" rowspan="5">BTPH102-18 (Theory)</td> <td data-bbox="1253 1012 1399 1327" rowspan="5">Not applicable</td> </tr> <tr> <td data-bbox="792 1117 971 1180">Computer Engineering</td> </tr> <tr> <td data-bbox="792 1180 971 1243">Civil Engineering</td> </tr> <tr> <td data-bbox="792 1243 971 1327">Mechanical Engineering</td> </tr> <tr> <td data-bbox="792 1327 971 1495">Electronics and Communication Engineering</td> <td data-bbox="1101 1327 1253 1495">BTPH112-18 (Laboratory)</td> <td data-bbox="1253 1327 1399 1495">BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)</td> </tr> </tbody> </table> <p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>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.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <p>v) The department/college/constituent campus shall issue a certificate that the student has passed</p>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering	Civil Engineering	Mechanical Engineering	Electronics and Communication Engineering	BTPH112-18 (Laboratory)	BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)
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Item No.	Agenda	Discussions and Decision Action Taken
		<p>the Bridge /Additional course. vi) Upon certification of passing audit/qualifying course the earlier issued result notification/s and DMCs of the concerned student shall be cancelled and the Examination Department of IKGPTU shall issue new result notification and DMCs as per upgraded curriculum with same number of credits. The BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.6	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)</p>	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7th or 8th Semester (Subject to approval from Competent Authority).</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	<p>On account of item 2.6, the BoS discussed, revised and approved:</p> <p>(a) The teaching scheme of 3rd year B.Tech. in Electrical Engineering programme.</p> <p>(b) The syllabus of 5th Semester B.Tech. in Electrical Engineering programme.</p> <p>(c) The draft of teaching scheme of 4th year B.Tech. in Electrical Engineering programme.</p> <p>Action taken: Approval from Chairman of Academic council available</p> <p>Draft available on website.</p>
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical 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 Electrical Engineering as communicated by the University.</p> <p>Action Taken: Information available on website.</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>Pending</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p>Discussion and Decision in 3rd meeting of BoS All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <ol style="list-style-type: none"> a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms. <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme.</p> <p>"If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority."</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1		

Chakradhar Reddy. Chandupatla <reddy@iitrpr.ac.in>

Mon, Jan 18, 2021 at 4:28 PM

To: Dilbag Singh <drdilbag@gmail.com>

Cc: Deepika Bhalla <deepika.bhalla89@gmail.com>, "Dr. Yadwinder Singh" <ysbrar@ptu.ac.in>, Jagdish Kumar <jagdishkumar@pec.ac.in>, YOG RAJ <yrsood@nith.ac.in>, jsdhillon@slit.ac.in, "J.S. Dhillon" <jsdhillonp@yahoo.com>, Gagandeep Kaur <gaganeer@ptu.ac.in>, kds@gndec.ac.in, KD Singh <kds97dee@gmail.com>, dr.rakeshbhanga@ptu.ac.in, Navneet Singh <navneetbhangu@gmail.com>, nsbhangu@gndec.ac.in, Akhil Gupta <akhilgupta1977@gmail.com>, "ashwani.k.sharma ." <ashwani.k.sharma@nitkr.ac.in>, Naveen Sharma <naveen31.sharma@gmail.com>

Approved !

C C Reddy

General Chair, 15th IEEE ICIIS 2020

Associate Editor (IEEE Trans. DEIS), SM of IEEE,

Associate Dean (Student Affairs),

Associate Professor (EE)

High Voltage Laboratory,

Department of Electrical Engineering,

Room No: 111, J C Bose Building,



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RUPNAGAR (Near CHANDIGARH),
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On Mon, 18 Jan 2021 at 16:12, Dilbag Singh <drdilbag@gmail.com> wrote:
Approved.

On Mon, 18 Jan 2021, 3:29 pm Deepika Bhalla, <deepika.bhalla89@gmail.com> wrote:

Respected All,

Please find appended the Minutes of the meeting held earlier today. The relevant documents are attached with.
Your approval is requested for.

Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online (**Google Meet Link: <https://meet.google.com/jvk-yndm-iro>**) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).
The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar

11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special Invitee)
13. Dr Deepika Bhalla, Convener

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken																		
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 Electrical Engineering is adopted. Action Taken: Information available on website.																		
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. Action Taken: Information available on website.																		
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.																		
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="820 1696 1429 2020"> <thead> <tr> <th data-bbox="820 1696 998 1801">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="998 1696 1429 1801">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="820 1801 998 1906">Computer Science Engineering</td> <td data-bbox="998 1801 1128 1906">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1128 1801 1282 1906">BTPH102-18 (Theory)</td> <td data-bbox="1282 1801 1429 1906">Not applicable</td> </tr> <tr> <td data-bbox="820 1906 998 1969">Computer Engineering</td> <td data-bbox="998 1906 1128 1969"></td> <td data-bbox="1128 1906 1282 1969">BTPH112-18 (Laboratory)</td> <td data-bbox="1282 1906 1429 1969"></td> </tr> <tr> <td data-bbox="820 1969 998 2020">Civil</td> <td data-bbox="998 1969 1128 2020"></td> <td data-bbox="1128 1969 1282 2020"></td> <td data-bbox="1282 1969 1429 2020"></td> </tr> </tbody> </table>			Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering		BTPH112-18 (Laboratory)		Civil			
Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses																			
Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable																	
Computer Engineering		BTPH112-18 (Laboratory)																		
Civil																				

Item No.	Agenda	Discussions and Decision Action Taken	
		Engineering Mechanical Engineering Electronics and Communication Engineering	BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)
<p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>ii) The Bridge /Additional course will be evaluated by the concerned teacher allocated the said course through internal evaluation at department/college/constituent campus level.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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 BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p>			
<p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Draft to be made available on website.</p>			

Item No.	Agenda	Discussions and Decision Action Taken
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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.6	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)</p>	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7th or 8th Semester (Subject to approval from Competent Authority).</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>
2.7	<p>Changes in draft of syllabus of 3rd and 4th year on account of above Item 2.5 & 2.6</p>	<p>On account of item 2.6, the BoS discussed, revised and approved:</p> <p>(a) The teaching scheme of 3rd year B.Tech. in Electrical Engineering programme.</p> <p>(b) The syllabus of 5th Semester B.Tech. in Electrical Engineering programme.</p> <p>(c) The draft of teaching scheme of 4th year B.Tech. in Electrical Engineering programme.</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.8	<p>Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering programme.</p>	<p>(a) The BoS accepted the Course Title, Course code, of courses of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering as communicated by the University.</p> <p>Action Taken: Information available on website.</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>Pending</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p><u>Discussion and Decision in 3rd meeting of BoS</u> All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS The BoS(EE) post-facto approved the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <p>a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department</p> <p>b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories).</p> <p>c) Each Question Paper to have two sets.</p> <p>d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03.</p> <p>e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms.</p> <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme.</p> <p>“If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority.”</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1		

YOG RAJ <yrsood@nith.ac.in>
To: Deepika Bhalla <deepika.bhalla89@gmail.com>

Mon, Jan 18, 2021 at 4:54 PM

Approved

On Mon, Jan 18, 2021 at 3:29 PM Deepika Bhalla <deepika.bhalla89@gmail.com> wrote:

Respected All,
Please find appended the Minutes of the meeting held earlier today. The relevant documents are attached with.
Your approval is requested for.
Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online (**Google Meet Link: <https://meet.google.com/jvk-yndm-iro>**) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE). The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special Invitee)
13. Dr Deepika Bhalla, Convener

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken
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 Electrical Engineering is adopted. Action Taken: Information available on website.
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. Action Taken: Information available on website.

Item No.	Agenda	Discussions and Decision Action Taken															
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.															
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="792 688 1399 1276"> <thead> <tr> <th data-bbox="792 688 971 793">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="971 688 1399 793">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="792 793 971 898">Computer Science Engineering</td> <td data-bbox="971 793 1101 1276" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1101 793 1253 1033" rowspan="3">BTPH102-18 (Theory)</td> <td data-bbox="1253 793 1399 1108" rowspan="3">Not applicable</td> </tr> <tr> <td data-bbox="792 898 971 970">Computer Engineering</td> </tr> <tr> <td data-bbox="792 970 971 1041">Civil Engineering</td> </tr> <tr> <td data-bbox="792 1041 971 1113">Mechanical Engineering</td> <td data-bbox="1101 1041 1253 1108">BTPH112-18 (Laboratory)</td> </tr> <tr> <td data-bbox="792 1113 971 1276">Electronics and Communication Engineering</td> <td data-bbox="1101 1108 1253 1276"></td> <td data-bbox="1253 1108 1399 1276">BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)</td> </tr> </tbody> </table> <p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>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.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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</p>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering	Civil Engineering	Mechanical Engineering	BTPH112-18 (Laboratory)	Electronics and Communication Engineering		BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)
Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses																
Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable														
Computer Engineering																	
Civil Engineering																	
Mechanical Engineering		BTPH112-18 (Laboratory)															
Electronics and Communication Engineering			BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)														

Item No.	Agenda	Discussions and Decision Action Taken
		<p>issue new result notification and DMCs as per upgraded curriculum with same number of credits. The BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.6	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)</p>	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7th or 8th Semester (Subject to approval from Competent Authority).</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>
2.7	<p>Changes in draft of syllabus of 3rd and 4th year on account of above Item 2.5 & 2.6</p>	<p>On account of item 2.6, the BoS discussed, revised and approved:</p> <p>(a) The teaching scheme of 3rd year B.Tech. in Electrical Engineering programme.</p> <p>(b) The syllabus of 5th Semester B.Tech. in Electrical Engineering programme.</p> <p>(c) The draft of teaching scheme of 4th year B.Tech. in Electrical Engineering programme.</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.8	<p>Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering programme.</p>	<p>(a) The BoS accepted the Course Title, Course code, of courses of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering as communicated by the University.</p> <p>Action Taken: Information available on website.</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>Pending</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p><u>Discussion and Decision in 3rd meeting of BoS</u> All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <ol style="list-style-type: none"> a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms. <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme. "If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority." Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1	The syllabus of 6th Semester B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus of 6th Semester B.Tech. Programme in Electrical Engineering.
3.2	The syllabus of Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering.
3.3	To finalize the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session (b) August-December 2020 (b) January-May 2021.	<p>(b) The BoS post-facto approved the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session August-December 2020</p> <p>(b) The BoS discussed and finalized the courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session January-May 2021.</p>

Item No.	Agenda	Discussion and Decision
3.4	Proposal of starting B. Tech. Minor Degree of in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering as per IKGPTU/Reg/NF/2056, dated 17/05/2019, "Guidelines for Major and Minor Degree in B. Technology". IKGPTU/DAA/2347, dated 28/02/2020, "Regarding AICTE approval process handbook 20-21, Chapter VII point 7.3.2.	The BoS agreed to start a B. Tech. Minor Degree in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering. The students of B.Tech. ME/B.Tech. ME (LEET) are eligible to undertake the B. Tech. Minor Degree of in Electrical Vehicles programme in 3rd semester. The programme will be offered by Department of Electrical Engineering. The draft of the Teaching Scheme was discussed and approved and the same to be shared with BoS(ME) Main and Constituent campuses. Request to be sent to BoS (ME) for Teaching scheme and syllabus for students pursuing Major Degree in Electrical Engineering B. Tech. who desire to opt for Minor Degree of in Electrical Vehicles programme in 3rd semester.
3.5	To make available on website the procedure for (a) Minor Degree (b) Honors Degree draft.	The BoS recommended the posting of the procedure for (a) Minor Degree (b) Honors Degree draft on website.
3.6	To approve the list of e-books for Under Graduate programme of Electrical	Deferred.

The Members of BoS (EE) authorize Chairman BoS, HoD (EE) Main Campus, Coordinator and one member of BoS to sign relevant document.

There being no further points the meeting ended with a thanks to the Chair.

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With warm regards,
 Prof. (Dr.) Yog Raj Sood
 Professor (HAG) & Former HOD
 Department of Electrical Engineering
 Former Dean (FW), Dean (P & D), Dean(R & D)
 National Institute of Technology,
 Hamirpur (Himachal Pardesh)
 PIN- 177005, INDIA
 Former Director NIT Puducherry (India)

Dr Akhil Gupta <akhilgupta1977@gmail.com> Mon, Jan 18, 2021 at 5:18 PM
 To: Deepika Bhalla <deepika.bhalla89@gmail.com>
 Cc: "Dr. Yadwinder Singh" <ysbrar@ptu.ac.in>, jagdishkumar@pec.ac.in, YOG RAJ <yrsood@nith.ac.in>, jsdhillon@sliet.ac.in, "J.S. Dhillon" <jsdhillonp@yahoo.com>, Gagandeep Kaur <gaganeer@ptu.ac.in>, Chakradhar Reddy Chandupatla <reddy@iitrpr.ac.in>, kds@gndec.ac.in, KD Singh <kds97dee@gmail.com>, dr.rakeshbhanga@ptu.ac.in, Navneet Singh <navneetbhangu@gmail.com>, nsbhangu@gndec.ac.in, "ashwani.k.sharma ." <ashwani.k.sharma@nitkkr.ac.in>, Dilbag Singh <drdilbag@gmail.com>, Naveen Sharma <naveen31.sharma@gmail.com>

Approved

On Mon, Jan 18, 2021 at 3:29 PM Deepika Bhalla <deepika.bhalla89@gmail.com> wrote:

Respected All,
 Please find appended the Minutes of the meeting held earlier today. The relevent documents are attached with.

Your approval is requested for.
Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online (**Google Meet Link: <https://meet.google.com/jvk-yndm-iro>**) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).
The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special Invitee)
13. Dr Deepika Bhalla, Convener

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken
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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 Electrical Engineering is adopted. Action Taken: Information available on website.															
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. Action Taken: Information available on website.															
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.															
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="792 1192 1399 1780"> <thead> <tr> <th data-bbox="792 1192 971 1297">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="971 1192 1399 1297">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="792 1297 971 1402">Computer Science Engineering</td> <td data-bbox="971 1297 1101 1612" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1101 1297 1263 1539">BTPH102-18 (Theory)</td> <td data-bbox="1263 1297 1399 1612" rowspan="2">Not applicable</td> </tr> <tr> <td data-bbox="792 1402 971 1476">Computer Engineering</td> <td data-bbox="1101 1539 1263 1612">BTPH112-18 (Laboratory)</td> </tr> <tr> <td data-bbox="792 1476 971 1539">Civil Engineering</td> <td data-bbox="1101 1612 1263 1780" rowspan="3">BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)</td> <td data-bbox="1263 1612 1399 1780" rowspan="3"></td> </tr> <tr> <td data-bbox="792 1539 971 1612">Mechanical Engineering</td> </tr> <tr> <td data-bbox="792 1612 971 1780">Electronics and Communication Engineering</td> </tr> </tbody> </table> <p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>ii) The Bridge /Additional course will be evaluated by the concerned teacher allocated the said course</p>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering	BTPH112-18 (Laboratory)	Civil Engineering	BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)		Mechanical Engineering	Electronics and Communication Engineering
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		<p>thought internal evaluation at department/college/constituent campus level.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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 BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.6	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)</p>	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7th or 8th Semester (Subject to approval from Competent Authority).</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	<p>On account of item 2.6, the BoS discussed, revised and approved:</p> <p>(a) The teaching scheme of 3rd year B.Tech. in Electrical Engineering programme.</p> <p>(b) The syllabus of 5th Semester B.Tech. in Electrical Engineering programme.</p> <p>(c) The draft of teaching scheme of 4th year B.Tech. in Electrical Engineering programme.</p> <p>Action taken: Approval from Chairman of Academic council available</p> <p>Draft available on website.</p>
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical 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 Electrical Engineering as communicated by the University.</p> <p>Action Taken: Information available on website.</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>Pending</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p>Discussion and Decision in 3rd meeting of BoS All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <p>a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department</p> <p>b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories).</p> <p>c) Each Question Paper to have two sets.</p> <p>d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03.</p> <p>e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms.</p> <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme.</p> <p>“If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority.”</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1	The syllabus of 6th Semester B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus of 6th Semester B.Tech. Programme in Electrical Engineering.
3.2	The syllabus of Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering.
3.3	To finalize the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session (b) August-December 2020 (b) January-May 2021.	<p>(b) The BoS post-facto approved the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session August-December 2020</p> <p>(b) The BoS discussed and finalized the courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session January-May 2021.</p>

Item No.	Agenda	Discussion and Decision
3.4	Proposal of starting B. Tech. Minor Degree of in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering as per IKGPTU/Reg/NF/2056, dated 17/05/2019, "Guidelines for Major and Minor Degree in B. Technology". IKGPTU/DAA/2347, dated 28/02/2020, "Regarding AICTE approval process handbook 20-21, Chapter VII point 7.3.2.	The BoS agreed to start a B. Tech. Minor Degree in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering. The students of B.Tech. ME/B.Tech. ME (LEET) are eligible to undertake the B. Tech. Minor Degree of in Electrical Vehicles programme in 3rd semester. The programme will be offered by Department of Electrical Engineering. The draft of the Teaching Scheme was discussed and approved and the same to be shared with BoS(ME) Main and Constituent campuses. Request to be sent to BoS (ME) for Teaching scheme and syllabus for students pursuing Major Degree in Electrical Engineering B. Tech. who desire to opt for Minor Degree of in Electrical Vehicles programme in 3rd semester.
3.5	To make available on website the procedure for (a) Minor Degree (b) Honors Degree draft.	The BoS recommended the posting of the procedure for (a) Minor Degree (b) Honors Degree draft on website.
3.6	To approve the list of e-books for Under Graduate programme of Electrical	Deferred.

The Members of BoS (EE) authorize Chairman BoS, HoD (EE) Main Campus, Coordinator and one member of BoS to sign relevant document.

There being no further points the meeting ended with a thanks to the Chair.

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Thanking you with regards,

Akhil Gupta
Assistant Professor & Head -Electrical Engineering Department
I.K. Gujral Punjab Technical University, Batala Campus, Kahnuwaan Road,
Batala-143506, District Gurdaspur, Punjab-India
(A constituent campus of I.K. Gujral Punjab Technical University Jalandhar, Kapurthala)
Mobile No.: 9465884873, 9855041124

Gagandeep Kaur <gaganeep@ptu.ac.in> Mon, Jan 18, 2021 at 7:17 PM
To: Deepika Bhalla <deepika.bhalla89@gmail.com>, "Dr. Yadwinder Singh" <ysbrar@ptu.ac.in>, "jagdishkumar@pec.ac.in" <jagdishkumar@pec.ac.in>, YOG RAJ <yrsood@nith.ac.in>, "jsdhillion@sliet.ac.in" <jsdhillion@sliet.ac.in>, "J.S. Dhillon" <jsdhillionp@yahoo.com>, Chakradhar Reddy Chandupatla <reddy@iitrpr.ac.in>, "kds@gndec.ac.in" <kds@gndec.ac.in>, KD Singh <kds97dee@gmail.com>, "dr.rakeshbhanga@ptu.ac.in" <dr.rakeshbhanga@ptu.ac.in>, Navneet Singh <navneetbhangu@gmail.com>, "nsbhangu@gndec.ac.in" <nsbhangu@gndec.ac.in>, Akhil Gupta <akhilgupta1977@gmail.com>, "ashwani.k.sharma ." <ashwani.k.sharma@nitkkr.ac.in>, Dilbag Singh <drdilbag@gmail.com>, Naveen Sharma <naveen31.sharma@gmail.com>

I agree with these MoM.

From: Deepika Bhalla <deepika.bhalla89@gmail.com>

Sent: Monday, January 18, 2021 04:59 AM

To: Dr. Yadwinder Singh <ysbrar@ptu.ac.in>; jagdishkumar@pec.ac.in <jagdishkumar@pec.ac.in>; YOG RAJ <yrsood@nith.ac.in>; jsdhillion@sliet.ac.in <jsdhillion@sliet.ac.in>; J.S. Dhillon <jsdhillonp@yahoo.com>; Gagandeep Kaur <gaganeer@ptu.ac.in>; Chakradhar Reddy Chandupatla <reddy@iitrpr.ac.in>; kds@gndec.ac.in <kds@gndec.ac.in>; KD Singh <kds97dee@gmail.com>; dr.rakeshbhanga@ptu.ac.in <dr.rakeshbhanga@ptu.ac.in>; Navneet Singh <navneetbhangu@gmail.com>; nsbhangu@gndec.ac.in <nsbhangu@gndec.ac.in>; Akhil Gupta <akhilgupta1977@gmail.com>; ashwani.k.sharma . <ashwani.k.sharma@nitkr.ac.in>; Dilbag Singh <drdilbag@gmail.com>; Naveen Sharma <naveen31.sharma@gmail.com>; deepika.bhalla89 <deepika.bhalla89@gmail.com>

Subject: For kind approval: Minutes of 3rd Meeting (on-line) of BoS Electrical Engineering (Main Campus and Constituent Campuses) held on 18/01/2021.

Respected All,

Please find appended the Minutes of the meeting held earlier today. The relevant documents are attached with.

Your approval is requested for.

Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online (**Google Meet Link: <https://meet.google.com/jvk-yndm-iro>**) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).

The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special Invitee)
13. Dr Deepika Bhalla, Convener

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Electronics and Communication Engineering			BTEE-101-18 (Theory)																				

Item No.	Agenda	Discussions and Decision Action Taken		
				BTEE-102-18 (Laboratory)
		<p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>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.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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 BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>		

Item No.	Agenda	Discussions and Decision Action Taken
2.6	Item 52.08 of the 52 nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 th /8 th semester (Not available in model curriculum of AICTE)	Item 52.08 of the 52 nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 th /8 th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7 th or 8 th Semester (Subject to approval from Competent Authority). Action taken: Approval from Chairman of Academic council available Draft available on website.
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	On account of item 2.6, the BoS discussed, revised and approved: (a) The teaching scheme of 3 rd year B.Tech. in Electrical Engineering programme. (b) The syllabus of 5 th Semester B.Tech. in Electrical Engineering programme. (c) The draft of teaching scheme of 4 th year B.Tech. in Electrical Engineering programme. Action taken: Approval from Chairman of Academic council available Draft available on website.
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering programme.	(a) The BoS accepted the Course Title, Course code, of courses of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering as communicated by the University. Action Taken: Information available on website. (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. Pending

Item No.	Agenda	Discussions and Decision Action Taken
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website. <u>Discussion and Decision in 3rd meeting of BoS</u> All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>
2.10	<p>A. To finalise the on-line SWAYAM/MOOCS courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCS for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <p>a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms.</p> <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme. "If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority."</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1	The syllabus of 6th Semester B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus of 6th Semester B.Tech. Programme in Electrical Engineering.
3.2	The syllabus of Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering.
3.3	To finalize the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session (b) August-December 2020 (b) January-May 2021.	<p>(b) The BoS post-facto approved the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session August-December 2020</p> <p>(b) The BoS discussed and finalized the courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session January-May 2021.</p>

Item No.	Agenda	Discussion and Decision
3.4	Proposal of starting B. Tech. Minor Degree of in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering as per IKGPTU/Reg/NF/2056, dated 17/05/2019, "Guidelines for Major and Minor Degree in B. Technology". IKGPTU/DAA/2347, dated 28/02/2020, "Regarding AICTE approval process handbook 20-21, Chapter VII point 7.3.2.	The BoS agreed to start a B. Tech. Minor Degree in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering. The students of B.Tech. ME/B.Tech. ME (LEET) are eligible to undertake the B. Tech. Minor Degree of in Electrical Vehicles programme in 3rd semester. The programme will be offered by Department of Electrical Engineering. The draft of the Teaching Scheme was discussed and approved and the same to be shared with BoS(ME) Main and Constituent campuses. Request to be sent to BoS (ME) for Teaching scheme and syllabus for students pursuing Major Degree in Electrical Engineering B. Tech. who desire to opt for Minor Degree of in Electrical Vehicles programme in 3rd semester.
3.5	To make available on website the procedure for (a) Minor Degree (b) Honors Degree draft.	The BoS recommended the posting of the procedure for (a) Minor Degree (b) Honors Degree draft on website.
3.6	To approve the list of e-books for Under Graduate programme of Electrical	Deferred.

The Members of BoS (EE) authorize Chairman BoS, HoD (EE) Main Campus, Coordinator and one member of BoS to sign relevant document.

There being no further points the meeting ended with a thanks to the Chair.

Navneet Singh Bhangu <navneetbhangu@gmail.com>

Mon, Jan 18, 2021 at 7:38 PM

To: Deepika Bhalla <deepika.bhalla89@gmail.com>

Cc: "Dr. Yadwinder Singh" <ysbrar@ptu.ac.in>, jagdishkumar@pec.ac.in, YOG RAJ <yrsood@nith.ac.in>, jsdhillon@sliet.ac.in, "J.S. Dhillon" <jsdhillonp@yahoo.com>, Gagandeep Kaur <gaganeer@ptu.ac.in>, Chakradhar Reddy Chandupatla <reddy@iitrpr.ac.in>, kds@gndec.ac.in, KD Singh <kds97dee@gmail.com>, dr.rakeshbhanga@ptu.ac.in, nsbhangu@gndec.ac.in, Akhil Gupta <akhilgupta1977@gmail.com>, "ashwani.k.sharma ." <ashwani.k.sharma@nitkkr.ac.in>, Dilbag Singh <drdilbag@gmail.com>, Naveen Sharma <naveen31.sharma@gmail.com>

Approved...

On Mon, 18 Jan 2021, 3:29 pm Deepika Bhalla, <deepika.bhalla89@gmail.com> wrote:

Respected All,

Please find appended the Minutes of the meeting held earlier today. The relevant documents are attached with.

Your approval is requested for.

Thanks and Regards

Dr Deepika Bhalla

Coordinator, BoS(EE) Main and Constituent Colleges

+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online ([Google Meet Link: https://meet.google.com/jvk-yndm-iro](https://meet.google.com/jvk-yndm-iro)) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).

The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special invitee)
13. Dr Deepika Bhalla, Convener

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken
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 Electrical Engineering is adopted. Action Taken: Information available on website.
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. Action Taken: Information available on website.

Item No.	Agenda	Discussions and Decision Action Taken														
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.														
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="792 688 1399 1276"> <thead> <tr> <th data-bbox="792 688 971 793">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="971 688 1399 793">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="792 793 971 898">Computer Science Engineering</td> <td data-bbox="971 793 1101 1276" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1101 793 1253 1033" rowspan="3">BTPH102-18 (Theory)</td> <td data-bbox="1253 793 1399 1108" rowspan="3">Not applicable</td> </tr> <tr> <td data-bbox="792 898 971 970">Computer Engineering</td> </tr> <tr> <td data-bbox="792 970 971 1041">Civil Engineering</td> </tr> <tr> <td data-bbox="792 1041 971 1113">Mechanical Engineering</td> <td data-bbox="1101 1033 1253 1108">BTPH112-18 (Laboratory)</td> </tr> <tr> <td data-bbox="792 1113 971 1276">Electronics and Communication Engineering</td> <td data-bbox="1101 1108 1253 1276">BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)</td> </tr> </tbody> </table> <p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>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.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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</p>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering	Civil Engineering	Mechanical Engineering	BTPH112-18 (Laboratory)	Electronics and Communication Engineering	BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)
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Electronics and Communication Engineering		BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)														

Item No.	Agenda	Discussions and Decision Action Taken
		<p>issue new result notification and DMCs as per upgraded curriculum with same number of credits. The BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.6	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)</p>	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7th or 8th Semester (Subject to approval from Competent Authority).</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>
2.7	<p>Changes in draft of syllabus of 3rd and 4th year on account of above Item 2.5 & 2.6</p>	<p>On account of item 2.6, the BoS discussed, revised and approved:</p> <p>(a) The teaching scheme of 3rd year B.Tech. in Electrical Engineering programme.</p> <p>(b) The syllabus of 5th Semester B.Tech. in Electrical Engineering programme.</p> <p>(c) The draft of teaching scheme of 4th year B.Tech. in Electrical Engineering programme.</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.8	<p>Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering programme.</p>	<p>(a) The BoS accepted the Course Title, Course code, of courses of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering as communicated by the University.</p> <p>Action Taken: Information available on website.</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>Pending</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p><u>Discussion and Decision in 3rd meeting of BoS</u> All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <p>a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department</p> <p>b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories).</p> <p>c) Each Question Paper to have two sets.</p> <p>d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03.</p> <p>e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms.</p> <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme. "If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority." Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1		

J.S. Dhillon <jsdhillonp@yahoo.com>
 To: Deepika Bhalla <deepika.bhalla89@gmail.com>

Tue, Jan 19, 2021 at 11:44 AM

I agree with MOM.
 Thanks and regards

Dr. J.S. Dhillon
 Professor
 Electrical & Instrumentation Engineering Department
 Sant Longowal Institute of Engineering & Technology,
 (Deemed-to-be-University)
 Longowal-148 106, District Sangrur, Punjab, India
 Phone: +91-1672-253168(O), +91-1672-253169(R)
 Mobile: +91-97798 28833

On Monday, 18 January, 2021, 03:29:41 pm IST, Deepika Bhalla <deepika.bhalla89@gmail.com> wrote:

Respected All,

Please find appended the Minutes of the meeting held earlier today. The relevant documents are attached with.
Your approval is requested for.
Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online (**Google Meet Link: <https://meet.google.com/jvk-yndm-iro>**) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).

The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special Invitee)
13. Dr Deepika Bhalla, Convener

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken

Item No.	Agenda	Discussions and Decision Action Taken													
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 Electrical Engineering is adopted. Action Taken: Information available on website.													
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. Action Taken: Information available on website.													
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.													
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="711 1381 1382 2007"> <thead> <tr> <th data-bbox="711 1381 906 1524">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="906 1381 1382 1524">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="711 1524 906 1629">Computer Science Engineering</td> <td data-bbox="906 1524 1057 2007" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1057 1524 1219 2007" rowspan="5">BTPH102-18 (Theory) BTPH112-18 (Laboratory)</td> <td data-bbox="1219 1524 1382 1839" rowspan="4">Not applicable</td> </tr> <tr> <td data-bbox="711 1629 906 1692">Computer Engineering</td> </tr> <tr> <td data-bbox="711 1692 906 1766">Civil Engineering</td> </tr> <tr> <td data-bbox="711 1766 906 1839">Mechanical Engineering</td> </tr> <tr> <td data-bbox="711 1839 906 2007">Electronics and Communication Engineering</td> <td data-bbox="1219 1839 1382 2007">BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)</td> </tr> </tbody> </table>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory) BTPH112-18 (Laboratory)	Not applicable	Computer Engineering	Civil Engineering	Mechanical Engineering	Electronics and Communication Engineering	BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)
Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses														
Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory) BTPH112-18 (Laboratory)	Not applicable												
Computer Engineering															
Civil Engineering															
Mechanical Engineering															
Electronics and Communication Engineering			BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)												

Item No.	Agenda	Discussions and Decision Action Taken
		<p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>ii) The Bridge /Additional course will be evaluated by the concerned teacher allocated the said course through internal evaluation at department/college/constituent campus level.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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 BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.6	Item 52.08 of the 52 nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 th /8 th semester (Not available in model curriculum of AICTE)	Item 52.08 of the 52 nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 th /8 th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7 th or 8 th Semester (Subject to approval from Competent Authority). Action taken: Approval from Chairman of Academic council available Draft available on website.
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	On account of item 2.6, the BoS discussed, revised and approved: (a) The teaching scheme of 3 rd year B.Tech. in Electrical Engineering programme. (b) The syllabus of 5 th Semester B.Tech. in Electrical Engineering programme. (c) The draft of teaching scheme of 4 th year B.Tech. in Electrical Engineering programme. Action taken: Approval from Chairman of Academic council available Draft available on website.
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering programme.	(a) The BoS accepted the Course Title, Course code, of courses of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering as communicated by the University. Action Taken: Information available on website. (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. Pending

Item No.	Agenda	Discussions and Decision Action Taken
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p><u>Discussion and Decision in 3rd meeting of BoS</u> All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>
2.10	<p>A. To finalise the on-line SWAYAM/MOOCS courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available.</p> <p><u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCS for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.11	Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)	<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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p> <p><u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification "Regarding New Programme", Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <p>a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms.</p> <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme. “If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority.”</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1	The syllabus of 6th Semester B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus of 6th Semester B.Tech. Programme in Electrical Engineering.
3.2	The syllabus of Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering.

Item No.	Agenda	Discussion and Decision
3.3	To finalize the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session (b) August-December 2020 (b) January-May 2021.	(b) The BoS post-facto approved the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session August-December 2020 (b) The BoS discussed and finalized the courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session January-May 2021.
3.4	Proposal of starting B. Tech. Minor Degree of in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering as per IKGPTU/Reg/NF/2056, dated 17/05/2019, "Guidelines for Major and Minor Degree in B. Technology". IKGPTU/DAA/2347, dated 28/02/2020, "Regarding AICTE approval process handbook 20-21, Chapter VII point 7.3.2.	The BoS agreed to start a B. Tech. Minor Degree in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering. The students of B.Tech. ME/B.Tech. ME (LEET) are eligible to undertake the B. Tech. Minor Degree of in Electrical Vehicles programme in 3rd semester. The programme will be offered by Department of Electrical Engineering. The draft of the Teaching Scheme was discussed and approved and the same to be shared with BoS(ME) Main and Constituent campuses. Request to be sent to BoS (ME) for Teaching scheme and syllabus for students pursuing Major Degree in Electrical Engineering B. Tech. who desire to opt for Minor Degree of in Electrical Vehicles programme in 3rd semester.
3.5	To make available on website the procedure for (a) Minor Degree (b) Honors Degree draft.	The BoS recommended the posting of the procedure for (a) Minor Degree (b) Honors Degree draft on website.
3.6	To approve the list of e-books for Under Graduate programme of Electrical	Deferred.

The Members of BoS (EE) authorize Chairman BoS, HoD (EE) Main Campus, Coordinator and one member of BoS to sign relevant document.

There being no further points the meeting ended with a thanks to the Chair.

Dr. Kanwardeep Singh <kds97dee@gmail.com>
To: Deepika Bhalla <deepika.bhalla89@gmail.com>

Tue, Jan 19, 2021 at 12:55 PM

I agree with the decisions taken in the BoS meeting held on 18-01-2021 (online).

Kind regards,
Dr. Kanwardeep Singh

On Mon, Jan 18, 2021 at 3:29 PM Deepika Bhalla <deepika.bhalla89@gmail.com> wrote:
Respected All,

Please find appended the Minutes of the meeting held earlier today. The relevant documents are attached with.
Your approval is requested for.
Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ 9465884854

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online (**Google Meet Link: <https://meet.google.com/jvk-yndm-iro>**) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).
The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh
12. Dr Naveen Kumar Sharma (special Invitee)
13. Dr Deepika Bhalla, Convener

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken

Item No.	Agenda	Discussions and Decision Action Taken															
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 Electrical Engineering is adopted. Action Taken: Information available on website.															
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. Action Taken: Information available on website.															
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.															
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="792 1192 1399 1780"> <thead> <tr> <th data-bbox="792 1192 971 1297">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="971 1192 1399 1297">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="792 1297 971 1402">Computer Science Engineering</td> <td data-bbox="971 1297 1101 1612" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1101 1297 1263 1539">BTPH102-18 (Theory)</td> <td data-bbox="1263 1297 1399 1612" rowspan="2">Not applicable</td> </tr> <tr> <td data-bbox="792 1402 971 1476">Computer Engineering</td> <td data-bbox="1101 1539 1263 1612">BTPH112-18 (Laboratory)</td> </tr> <tr> <td data-bbox="792 1476 971 1539">Civil Engineering</td> <td data-bbox="1101 1612 1263 1780" rowspan="3">BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)</td> <td data-bbox="1263 1612 1399 1780" rowspan="3"></td> </tr> <tr> <td data-bbox="792 1539 971 1612">Mechanical Engineering</td> </tr> <tr> <td data-bbox="792 1612 971 1780">Electronics and Communication Engineering</td> </tr> </tbody> </table> <p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>ii) The Bridge /Additional course will be evaluated by the concerned teacher allocated the said course</p>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering	BTPH112-18 (Laboratory)	Civil Engineering	BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)		Mechanical Engineering	Electronics and Communication Engineering
Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses																
Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable														
Computer Engineering		BTPH112-18 (Laboratory)															
Civil Engineering		BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)															
Mechanical Engineering																	
Electronics and Communication Engineering																	

Item No.	Agenda	Discussions and Decision Action Taken
		<p>thought internal evaluation at department/college/constituent campus level.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <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 BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.6	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)</p>	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7th or 8th Semester (Subject to approval from Competent Authority).</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	<p>On account of item 2.6, the BoS discussed, revised and approved:</p> <p>(a) The teaching scheme of 3rd year B.Tech. in Electrical Engineering programme.</p> <p>(b) The syllabus of 5th Semester B.Tech. in Electrical Engineering programme.</p> <p>(c) The draft of teaching scheme of 4th year B.Tech. in Electrical Engineering programme.</p> <p>Action taken: Approval from Chairman of Academic council available</p> <p>Draft available on website.</p>
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical 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 Electrical Engineering as communicated by the University.</p> <p>Action Taken: Information available on website.</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>Pending</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p>Discussion and Decision in 3rd meeting of BoS All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <ol style="list-style-type: none"> a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms. <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme.</p> <p>“If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority.”</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1	The syllabus of 6th Semester B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus of 6th Semester B.Tech. Programme in Electrical Engineering.
3.2	The syllabus of Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering.
3.3	To finalize the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session (b) August-December 2020 (b) January-May 2021.	<p>(b) The BoS post-facto approved the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session August-December 2020</p> <p>(b) The BoS discussed and finalized the courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session January-May 2021.</p>

Item No.	Agenda	Discussion and Decision
3.4	Proposal of starting B. Tech. Minor Degree of in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering as per IKGPTU/Reg/NF/2056, dated 17/05/2019, "Guidelines for Major and Minor Degree in B. Technology". IKGPTU/DAA/2347, dated 28/02/2020, "Regarding AICTE approval process handbook 20-21, Chapter VII point 7.3.2.	The BoS agreed to start a B. Tech. Minor Degree in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering. The students of B.Tech. ME/B.Tech. ME (LEET) are eligible to undertake the B. Tech. Minor Degree of in Electrical Vehicles programme in 3rd semester. The programme will be offered by Department of Electrical Engineering. The draft of the Teaching Scheme was discussed and approved and the same to be shared with BoS(ME) Main and Constituent campuses. Request to be sent to BoS (ME) for Teaching scheme and syllabus for students pursuing Major Degree in Electrical Engineering B. Tech. who desire to opt for Minor Degree of in Electrical Vehicles programme in 3rd semester.
3.5	To make available on website the procedure for (a) Minor Degree (b) Honors Degree draft.	The BoS recommended the posting of the procedure for (a) Minor Degree (b) Honors Degree draft on website.
3.6	To approve the list of e-books for Under Graduate programme of Electrical	Deferred.

The Members of BoS (EE) authorize Chairman BoS, HoD (EE) Main Campus, Coordinator and one member of BoS to sign relevant document.

There being no further points the meeting ended with a thanks to the Chair.

--
Dr. Kanwardeep Singh
Associate Professor and Head
Electrical Engineering Department,
Guru Nanak Dev Engineering College, Ludhiana (Punjab)
(An Autonomous College u/s 2(f) and 12(B) of UGC Act 1956)
Mobile:+91-950-141-1533



Deepika Bhalla <deepika.bhalla89@gmail.com>

Approval of the minutes

1 message

ashwani.k.sharma . <ashwani.k.sharma@nitkkr.ac.in>
To: Deepika Bhalla <deepika.bhalla89@gmail.com>

Tue, Jan 19, 2021 at 1:19 PM

Dear Dr. Deepika,
The minutes are approved.
Regards.
Ashwani
Dr. Ashwani Kumar, SMIEEE, FIE (I), LMISTE, LMSCIEI
Professor,
Department of Electrical Engineering
NIT Kurukshetra Haryana, India
PIN 136119
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Deepika Bhalla <deepika.bhalla89@gmail.com>

Reply: For kind approval: Minutes of 3rd Meeting (on-line) of BoS Electrical Engineering (Main Campus and Constituent Campuses) held on 18/01/2021.

2 messages

Jagdish Kumar <jagdishkumar@pec.ac.in>
To: Deepika Bhalla <deepika.bhalla89@gmail.com>

Tue, Jan 19, 2021 at 12:14 PM

Approved.

Sent from vivo smartphone

Respected All,
Please find appended the Minutes of the meeting held earlier today. The relevent documents are attached with.
Your approval is requested for.
Thanks and Regards

Dr Deepika Bhalla
Coordinator, BoS(EE) Main and Constituent Colleges
+ [9465884854](tel:9465884854)

Minutes of Meeting held on January 18, 2020

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online ([Google Meet](#) **Link:** <https://meet.google.com/jvk-yndm-iro>) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

The meeting started with the welcome address to all the members of the BoS by the Prof. (Dr) Y S Brar, Chairman BoS(EE).
The following Members were present:

1. Dr Y S Brar, Chairman
2. Dr Jagdish Kumar
3. Dr Yog Raj Sood
4. Dr J S Dhillon
5. Dr Gagandeep Kaur
6. Dr Chakardhar Reddy
7. Dr Kanwardeep Singh
8. Dr Navneet Singh Bhangu
9. Dr Akhil Gupta
10. Dr Ashwani Kumar
11. Dr Dilbagh Singh

12. Dr Naveen Kumar Sharma (special Invitee)

13. Dr Deepika Bhalla, Convener

A. On review of the Minutes of Meeting of the 1st meeting of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 26/06/2019, the member of BoS were conveyed that Minutes are approved by Chairman of Academic Council, since the necessary action has been taken on them; they be closed.

B. Review of the Minutes of Meeting of the 2nd meeting (on-line) of Board of Studies (Electrical Engineering), Main and Constituent Campuses (2019-21) held on 21/05/2020.

Item No.	Agenda	Discussions and Decision Action Taken																				
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 Electrical Engineering is adopted. Action Taken: Information available on website.																				
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. Action Taken: Information available on website.																				
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.																				
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="769 1625 1377 2018"> <thead> <tr> <th data-bbox="769 1625 948 1730">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="948 1625 1377 1730">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="769 1730 948 1835">Computer Science Engineering</td> <td data-bbox="948 1730 1078 1835">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1078 1730 1230 1835">BTPH102-18 (Theory) BTPH112-18 (Laboratory)</td> <td data-bbox="1230 1730 1377 1835">Not applicable</td> </tr> <tr> <td data-bbox="769 1835 948 1898">Computer Engineering</td> <td data-bbox="948 1835 1078 1898"></td> <td data-bbox="1078 1835 1230 1898"></td> <td data-bbox="1230 1835 1377 1898"></td> </tr> <tr> <td data-bbox="769 1898 948 1961">Civil Engineering</td> <td data-bbox="948 1898 1078 1961"></td> <td data-bbox="1078 1898 1230 1961"></td> <td data-bbox="1230 1898 1377 1961"></td> </tr> <tr> <td data-bbox="769 1961 948 2018">Mechanical</td> <td data-bbox="948 1961 1078 2018"></td> <td data-bbox="1078 1961 1230 2018"></td> <td data-bbox="1230 1961 1377 2018"></td> </tr> </tbody> </table>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory) BTPH112-18 (Laboratory)	Not applicable	Computer Engineering				Civil Engineering				Mechanical			
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Computer Engineering																						
Civil Engineering																						
Mechanical																						

Item No.	Agenda	Discussions and Decision Action Taken	
		Engineering Electronics and Communication Engineering	BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)
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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p> <p>Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</p>	

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.

v) The department/college/constituent campus shall issue a certificate that the student has passed the Bridge /Additional course.

vi) Upon certification of passing audit/qualifying course the earlier issued result notification/s and DMCs of the concerned student shall be cancelled and the Examination Department of IKGPTU shall issue new result notification and DMCs as per upgraded curriculum with same number of credits.

The BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.

Action taken:
Approval from Chairman of Academic council available.
Discussion and Decision in 3rd meeting of BoS
Draft to be made available on website.

Action taken:
Approval from Chairman of Academic council available.

Item No.	Agenda	Discussions and Decision Action Taken
2.6	Item 52.08 of the 52 nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 th /8 th semester (Not available in model curriculum of AICTE)	Item 52.08 of the 52 nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7 th /8 th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7 th or 8 th Semester (Subject to approval from Competent Authority). Action taken: Approval from Chairman of Academic council available Draft available on website.
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	On account of item 2.6, the BoS discussed, revised and approved: (a) The teaching scheme of 3 rd year B.Tech. in Electrical Engineering programme. (b) The syllabus of 5 th Semester B.Tech. in Electrical Engineering programme. (c) The draft of teaching scheme of 4 th year B.Tech. in Electrical Engineering programme. Action taken: Approval from Chairman of Academic council available Draft available on website.
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering programme.	(a) The BoS accepted the Course Title, Course code, of courses of Humanities and Social Sciences including Management for B.Tech in Electrical Engineering as communicated by the University. Action Taken: Information available on website. (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. Pending

Item No.	Agenda	Discussions and Decision Action Taken
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website. <u>Discussion and Decision in 3rd meeting of BoS</u> All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>
2.10	<p>A. To finalise the on-line SWAYAM/MOOCS courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCS for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer Engineering (Reference AICTE Approval Process Handbook 2021, Chapter 7, Point 7.3.2, circulated vide Reference no IKG-PTU/DAA/2347, dated 28/02/20202)</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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <p>a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms.</p> <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme. "If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority."</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1	The syllabus of 6th Semester B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus of 6th Semester B.Tech. Programme in Electrical Engineering.
3.2	The syllabus of Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering.
3.3	To finalize the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session (b) August-December 2020 (b) January-May 2021.	<p>(b) The BoS post-facto approved the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session August-December 2020</p> <p>(b) The BoS discussed and finalized the courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session January-May 2021.</p>

Item No.	Agenda	Discussion and Decision
3.4	Proposal of starting B. Tech. Minor Degree of in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering as per IKGPTU/Reg/NF/2056, dated 17/05/2019, "Guidelines for Major and Minor Degree in B. Technology". IKGPTU/DAA/2347, dated 28/02/2020, "Regarding AICTE approval process handbook 20-21, Chapter VII point 7.3.2.	The BoS agreed to start a B. Tech. Minor Degree in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering. The students of B.Tech. ME/B.Tech. ME (LEET) are eligible to undertake the B. Tech. Minor Degree of in Electrical Vehicles programme in 3rd semester. The programme will be offered by Department of Electrical Engineering. The draft of the Teaching Scheme was discussed and approved and the same to be shared with BoS(ME) Main and Constituent campuses. Request to be sent to BoS (ME) for Teaching scheme and syllabus for students pursuing Major Degree in Electrical Engineering B. Tech. who desire to opt for Minor Degree of in Electrical Vehicles programme in 3rd semester.
3.5	To make available on website the procedure for (a) Minor Degree (b) Honors Degree draft.	The BoS recommended the posting of the procedure for (a) Minor Degree (b) Honors Degree draft on website.
3.6	To approve the list of e-books for Under Graduate programme of Electrical	Deferred.

The Members of BoS (EE) authorize Chairman BoS, HoD (EE) Main Campus, Coordinator and one member of BoS to sign relevant document.

There being no further points the meeting ended with a thanks to the Chair.

Jagdish Kumar <jagdishkumar@pec.ac.in> Tue, Jan 19, 2021 at 12:14 PM
 To: Deepika Bhalla <deepika.bhalla89@gmail.com>
 Cc: kds <kds@gndec.ac.in>, jsdhillion <jsdhillion@sliet.ac.in>, "dr.rakeshbhanga" <dr.rakeshbhanga@ptu.ac.in>, Chakradhar Reddy Chandupatla <reddy@iitrpr.ac.in>, Gagandeep Kaur <gaganee@ptu.ac.in>, "ashwani.k.sharma ." <ashwani.k.sharma@nitkkr.ac.in>, Naveen Sharma <naveen31.sharma@gmail.com>, KD Singh <kds97dee@gmail.com>, nsbhangu <nsbhangu@gndec.ac.in>, "Dr. Yadwinder Singh" <ysbrar@ptu.ac.in>, "J.S. Dhillon" <jsdhillonp@yahoo.com>, Navneet Singh <navneetbhangu@gmail.com>, YOG RAJ <yrsood@nith.ac.in>, Akhil Gupta <akhilgupta1977@gmail.com>, Dilbag Singh <drdilbag@gmail.com>

Approved

Sent from vivo smartphone

Respected All,
 Please find appended the Minutes of the meeting held earlier today. The relevent documents are attached with.
 Your approval is requested for.
 Thanks and Regards

Dr Deepika Bhalla
 Coordinator, BoS(EE) Main and Constituent Colleges
 + 9465884854

The 3rd meeting of BoS Electrical Engineering (Main Campus and Constituent Campuses) was held online ([Google Meet Link: https://meet.google.com/jvk-yndm-iro](https://meet.google.com/jvk-yndm-iro)) under the Chairmanship of Prof. (Dr) Y S Brar, on January 18, 2021, (Monday) at 11:00 am.

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Item No.	Agenda	Discussions and Decision Action Taken																	
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. Action Taken: Information available on website.																	
2.3	Item 52.04.12 of the 52 nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation"	Item 52.04.12 of the 52nd Academic Council meeting held on 16/01/2020. "Distribution of marks for evaluation of M. Tech. Dissertation", is adopted. Action Taken: Information available on website.																	
2.4	Bridge courses/additional subjects for change of branch/upgradation in 3 rd Semester to B. Tech. Electrical Engineering program.	<p>The BoS recommended and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program</p> <p>Student who opts for B. Tech. Electrical Engineering programme in 3rd Semester will need to study the following Bridge /Additional courses:</p> <table border="1" data-bbox="768 905 1373 1493"> <thead> <tr> <th data-bbox="768 905 946 1010">Student opting for B. Tech EE from B. Tech.</th> <th colspan="3" data-bbox="946 905 1373 1010">Bridge / Additional courses</th> </tr> </thead> <tbody> <tr> <td data-bbox="768 1010 946 1115">Computer Science Engineering</td> <td data-bbox="946 1010 1076 1325" rowspan="5">(Bridge Course-I) BTAMBC1-18</td> <td data-bbox="1076 1010 1227 1251">BTPH102-18 (Theory)</td> <td data-bbox="1227 1010 1373 1325" rowspan="3">Not applicable</td> </tr> <tr> <td data-bbox="768 1115 946 1178">Computer Engineering</td> <td data-bbox="1076 1251 1227 1325">BTPH112-18 (Laboratory)</td> </tr> <tr> <td data-bbox="768 1178 946 1251">Civil Engineering</td> <td></td> </tr> <tr> <td data-bbox="768 1251 946 1325">Mechanical Engineering</td> <td></td> </tr> <tr> <td data-bbox="768 1325 946 1493">Electronics and Communication Engineering</td> <td></td> <td data-bbox="1227 1325 1373 1493">BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)</td> </tr> </tbody> </table> <p>i) The Bridge /Additional course is audit/qualifying course and no extra credit is awarded to the student qualifying the course</p> <p>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.</p> <p>iii) The teacher allocated the bridge course should be given 2 hours load per week for teaching it.</p> <p>iv) The student opting for change of branch must qualify the course within one year of change of branch.</p> <p>v) The department/college/constituent campus shall issue a certificate that the student has passed</p>	Student opting for B. Tech EE from B. Tech.	Bridge / Additional courses			Computer Science Engineering	(Bridge Course-I) BTAMBC1-18	BTPH102-18 (Theory)	Not applicable	Computer Engineering	BTPH112-18 (Laboratory)	Civil Engineering		Mechanical Engineering		Electronics and Communication Engineering		BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)
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Mechanical Engineering																			
Electronics and Communication Engineering			BTEE-101-18 (Theory) BTEE-102-18 (Laboratory)																

Item No.	Agenda	Discussions and Decision Action Taken
		<p>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 BoS recommended the procedure and approved Bridge courses/additional subjects for change of branch/upgradation in 3rd Semester to B. Tech. Electrical Engineering program.</p> <p>Action taken: Approval from Chairman of Academic council available. Discussion and Decision in 3rd meeting of BoS Draft to be made available on website.</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 Electrical Engineering, outcomes and infrastructure.</p> <p>b) If any training for B.Tech. in Electrical 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 Electrical Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.6	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE)</p>	<p>Item 52.08 of the 52nd Academic Council meeting held on 16/01/2020: "Starting of one semester training for B. Tech programs in 7th/8th semester (Not available in model curriculum of AICTE) was adopted by the BoS. However, the BoS (EE) leaves the option for the Department/Campus/Student to either opt for One Semester Training or do Industry oriented courses in lieu of One Semester Training in 7th or 8th Semester (Subject to approval from Competent Authority).</p> <p>Action taken: Approval from Chairman of Academic council available Draft available on website.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.7	Changes in draft of syllabus of 3 rd and 4 th year on account of above Item 2.5 & 2.6	<p>On account of item 2.6, the BoS discussed, revised and approved:</p> <p>(a) The teaching scheme of 3rd year B.Tech. in Electrical Engineering programme.</p> <p>(b) The syllabus of 5th Semester B.Tech. in Electrical Engineering programme.</p> <p>(c) The draft of teaching scheme of 4th year B.Tech. in Electrical Engineering programme.</p> <p>Action taken: Approval from Chairman of Academic council available</p> <p>Draft available on website.</p>
2.8	Course Title, Course code, syllabus, Course Outcomes (COs) of subjects of Humanities and Social Sciences including Management for B.Tech in Electrical 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 Electrical Engineering as communicated by the University.</p> <p>Action Taken: Information available on website.</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>Pending</p>
2.9	<p>A. To finalise the on-line SWAYAM/ MOOCS courses and the credits of the course for Minor degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCS for Minor degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. Conveyed to upload information on website.</p> <p>Discussion and Decision in 3rd meeting of BoS All were informed that no student was permitted for Minor degree in Electrical Engineering in Academic session 2019-20 and 2020-21. BoS(EE) decided that Minor Degree to be as per AICTE nomenclature</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.10	<p>A. To finalise the on-line SWAYAM/MOOCs courses and credits for Honors Degree in Electrical 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 Electrical Engineering is approved.</p> <p>B. Regarding the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for each semester, the Members of BoS authorize Chairman BoS (EE), HoD (EE) Main Campus, Coordinator and one member of BoS (EE) 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> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> The BoS(EE) post-facto approved the list of SWAYAM/ MOOCs for Honors Degree in Electrical Engineering for the session January-May 2020. All were informed that no student opted for Honors degree in Electrical Engineering in Academic session 2020-21.</p>
2.11	<p>Students pursuing Major Degree in Electrical Engineering (Batch 2018 onwards) can only do Minor degree in Electrical and Computer 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. Electrical can only do Minor Degree in Electrical and Computer Engineering.</p> <p>(b) The BoS(CSE) to be requested to convey the list of courses that the student can opt for each semester for Minor Degree in Electrical and Computer Engineering.</p> <p>Action taken: Approval from Chairman of Academic council available. <u>Discussion and Decision in 3rd meeting of BoS</u> Request to be sent to BoS(CSE)</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.12	Procedure for (a) Minor Degree (b) Honors Degree	<p>The BoS recommended for approval:</p> <p>(a) Student to opt for Minor degree in relevant programme in 3rd semester and for Honors Degree in 5th Semester.</p> <p>(b) Students having no backlog of 1st semester and 2nd semester can opt for Minor Degree in Electrical and Computer Engineering in the 3rd semester. Students having no backlog of 3rd semester and 4th semester can opt for Honors Degree in B. Tech. Electrical Engineering in the 5th Semester.</p> <ul style="list-style-type: none"> • From the available relevant on-line SWAYAM/ MOOCS courses for the session, the list of the courses to be considered for Minor degree/Honors degree in relevant programme to be approved by BoS. • The number of credits for SWAYAM/MOOCS courses for Minor degree in relevant programme to be as per the credits mentioned on the certificate of the respective SWAYAM/ MOOCS course. • The following steps are proposed for credits earned through SWAYAM/MOOCS courses: <ul style="list-style-type: none"> i) For each semester the student to take up online SWAYAM/MOOCS courses approved by the BoS. ii) Student to take permission (written) from Department/Constituent Campus for registration. iii) On successful completion of each SWAYAM/MOOCS in each semester the student to submit self-attested copy of certificate (on-line/hard) to Department/Constituent Campus iv) The Department/Constituent Campus to verify the certificate and there after Department/Constituent Campus to convey to the Examination Branch through the office of Dean Academics. v) On obtaining the minimum credits the student will be eligible for (a) Minor Degree (b) Honors Degree in relevant programme. • In case of non-availability of SWAYAM/MOOCS courses the student can earn the minimum credits for (a) Minor Degree from Professional Core / Elective Courses as per the list provided by BoS for this purpose. (b) Honors degree from Professional Elective Courses other than those taken up for the concerned B.Tech Programme. <p>(c)The list of (i) Professional Core Courses (ii) Professional Elective Courses, clearly indicating odd and even semester is available in the Teaching Scheme.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.13	Recommendation for e-books	<p>The BoS recommends using e-books for teaching-learning process. The following members are assigned the duty to recommend a list of e-books for the programs under the preview of the BoS.</p> <p>a) Dr Gagandeep Kaur, Chairperson, b) Dr Kanwardeep Singh, Member (external) c) Dr Akhil Gupta, Member (internal) d) Dr Deepika Bhalla (Coordinator)</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.14	Notification “Regarding New Programme”, Ref. No. IKGPTU/REG/NF/36, dated 04/03/2020 for B. Voc. Solar System Technology of 03 Years duration	<p>Not to be considered for the Main/Constituent campuses.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>
2.15	<p>On account of the lockdown since March 2020 due to COVID-19 pandemic, discussion on:</p> <p>(A) The change of pattern of Question paper and evaluation</p> <p>(B) Propose the Names of Paper Setters for each subject.</p> <p>(Ref. No. e-file I-15/534/2020-COE, received through email on 11th, May 2020).</p>	<p>A) On account of the lockdown since March 2020 due to COVID-19 pandemic, the members of BoS(EE) agreed that, based on the IT infrastructure available online Semester Ending Examination May 2020 may be conducted, if needed. On account of which there would be change in the pattern of question paper and the way to attempt it. The BoS recommends:</p> <p>(a) For theory courses having 60 marks for external, a student shall have to attempt 60 MCQs in 120 minutes. Each of the MCQ question with four options shall appear on screen of student without displaying the next question. The student will be required to attempt the question in the time frame as he/she desires subject to maximum duration allocated for attempting the respective question paper.</p> <p>(b) On clicking the SAVE AND NEXT button, the next question will appear. Provision of invigilation of online examination to be made.</p> <p>(c) For theory courses internal evaluation in which only MST-I could be conducted during regular teaching, before lockdown, online MCQ based MST-II and MST-III may be conducted using Google forms or any other online/virtual platform.</p> <p>(d) For practical courses online internal and external evaluation to be conducted through Cisco WebEx or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>(e) External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar. Honorarium to External and Internal examiner paid as per University norms.</p> <p>(f) For students who have undertaken (i) One Semester Industrial Training in 8th Semester (ii) Industrial Training after 4th semester, and (iii) Institutional Training after 2nd semester, online internal and external evaluation to be conducted through</p>

Item No.	Agenda	Discussions and Decision Action Taken
		<p>Cisco Webex or any other online/virtual platform. The record of the evaluation to be maintained.</p> <p>External and Internal examiner to be assigned and evaluation to be uploaded on the University Examination portal as per the revised Academic Calendar Honorarium to External and Internal examiner paid as per University norms.</p> <p>(B) The BoS (EE) approved the list of the paper setters for online/conventional semester ending Examination for May 2020 to be:</p> <p>a) Names of 03-04 Question Paper Setters for each subject is proposed to the Examination Department b) Preferably 50% of the Question Paper Setters to be from IKGPTU system (Affiliated Colleges and Main & Constituent Campuses) and the remaining 50% Question Paper Setters to be from outside IKGPTU system (Punjab, other states and Union Territories). c) Each Question Paper to have two sets. d) The maximum number of Question papers/sets to be assigned to one paper setter to be 03. e) For conventional examination Honorarium to Question Paper Setters be paid as per University norms.</p> <p>Information regarding Paper Setters to be uploaded by Convener on the relevant online portal.</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

Item No.	Agenda	Discussions and Decision Action Taken
2.16	To allow credit transfer to students to the extent of 20% in every semester for online courses provided through SWAYAM platform.	<p>In view of the present scenario, the teachers must teach {1 or 2 subjects (theory or laboratory) out of 8 subjects in a semester} through an on-line platform and also evaluate the students through online mode.</p> <p>(a) The on-line mode facility to faculty and students be provided by the University. It will help the students for developing on-line learning ability and participation in online evaluation processes. On the other-hand teachers will develop capabilities to create on-line lectures/study material. Further, it will become an asset for the University.</p> <p>(b) BoS to identify relevant courses per semester available on an online SWAYAM platform. If available, student may be permitted by Department/Constituent campus to complete maximum of 20% courses in every semester through the online SWAYAM platform.</p> <p>(c) The steps are already proposed for credits earned through SWAYAM/MOOCs courses in Item no 2.12.</p> <p>(d) The following line to be included in the draft of the teaching scheme. "If online courses are available, students may complete 20% of courses in every semester through the online SWAYAM platform/developed by the faculty of University, after approval of competent authority."</p> <p>Action taken: Approval from Chairman of Academic council available.</p>

C. Discussion and decision on agenda Items

Item No.	Agenda	Discussion and Decision
3.1	The syllabus of 6th Semester B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus of 6th Semester B.Tech. Programme in Electrical Engineering.
3.2	The syllabus of Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering	The BoS discussed, revised and approved the syllabus Open Electives (odd/even) of B.Tech. Programme in Electrical Engineering.
3.3	To finalize the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session (b) August-December 2020 (b) January-May 2021.	<p>(b) The BoS post-facto approved the on-line SWAYAM/MOOCs courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session August-December 2020</p> <p>(b) The BoS discussed and finalized the courses for Honors Degree in Electrical Engineering and Minor Degree offered by Department of Electrical Engineering for the session January-May 2021.</p>

Item No.	Agenda	Discussion and Decision
3.4	Proposal of starting B. Tech. Minor Degree of in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering as per IKGPTU/Reg/NF/2056, dated 17/05/2019, "Guidelines for Major and Minor Degree in B. Technology". IKGPTU/DAA/2347, dated 28/02/2020, "Regarding AICTE approval process handbook 20-21, Chapter VII point 7.3.2.	The BoS agreed to start a B. Tech. Minor Degree in Electrical Vehicles for students pursuing Major Degree in Mechanical Engineering / Electrical Engineering. The students of B.Tech. ME/B.Tech. ME (LEET) are eligible to undertake the B. Tech. Minor Degree of in Electrical Vehicles programme in 3rd semester. The programme will be offered by Department of Electrical Engineering. The draft of the Teaching Scheme was discussed and approved and the same to be shared with BoS(ME) Main and Constituent campuses. Request to be sent to BoS (ME) for Teaching scheme and syllabus for students pursuing Major Degree in Electrical Engineering B. Tech. who desire to opt for Minor Degree of in Electrical Vehicles programme in 3rd semester.
3.5	To make available on website the procedure for (a) Minor Degree (b) Honors Degree draft.	The BoS recommended the posting of the procedure for (a) Minor Degree (b) Honors Degree draft on website.
3.6	To approve the list of e-books for Under Graduate programme of Electrical	Deferred.

The Members of BoS (EE) authorize Chairman BoS, HoD (EE) Main Campus, Coordinator and one member of BoS to sign relevant document.

There being no further points the meeting ended with a thanks to the Chair.