

J.C. BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY YMCA, FARIDABAD
(Established by the State Govt. vide Legislative Act No. 21/2009 & Recognised
by the UGC under UGC Act 1956)
ACCREDITED "A" GRADE BY NAAC



AGENDA FOR THE 14th MEETING OF BOARD OF FACULTY (BOF)
SCHEDULED TO BE HELD ON 01.08.2020 AT 11.00 AM OF THE CIVIL
ENGINEERING DEPARTMENT THROUGH Google Meet [APP, MEETING.](#)

J C Bose UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA FARIDABAD

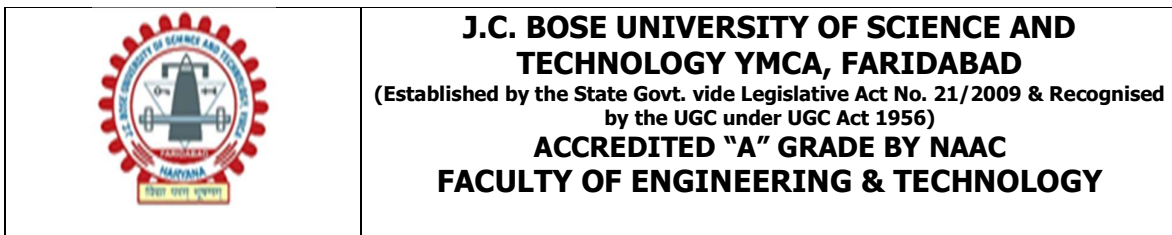
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BOARD OF FACULTY (BOF)**

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Item No. BOF/14/06	To inform BOF about: 1. List of Value added courses 2. a) Value Added Course :VAC01 Human Values and Professional Ethics has been made compulsory for students from 2020-21. b) Value Added Course :VAC02 Message of Bhagwat Gita has been incorporated.	25-28
Item No. BOF/14/07	Any other item with the approval of the Chair	

Item No. BOF/14/01

To consider and approve the minutes of 13th meeting of BOF held on 03.04.2020

The minutes of 13th meeting of BOF held on 03.04.2020 were circulated on 4.4.2020. No comments were received, therefore, it may be confirmed.



MINUTES FOR THE 13th MEETING OF BOARD OF FACULTY (BOF)

HELD ONLINE ON 03.04.2020 AT 2.30 PM THROUGH ZOOM CLOUD APP,

MEETING ID: 846 566 254

Present :

1. Dr. Tilak Raj, Professor & Chairperson (ME Deptt.) & Dean (Faculty of Engineering & Technology)
2. Dr. Sandeep Grover, Professor (Mechanical Engg. Deptt.)
3. Dr. M.L. Aggarwal, Professor (ME deptt) & Chairperson (Civil Engg. Deptt.)
4. Dr. Poonam Singhal, Professor & Chairperson (Electrical Engg. Deptt.)
5. Dr. Neelam Turk, Chairperson (Electronics Engg. Deptt.)
6. Dr. P.R. Sharma, Professor
7. Dr. Arvind Gupta, Professor
8. Dr. Munish Vashishth, Professor
9. Dr. Pardeep Kumar, Associate Professor
10. Dr. Vasdev Malhotra, Associate Professor
11. Dr. Anju Gupta, Associate Professor
12. Dr. Sanjeev Goyal, Assistant Professor and Coordinator (BOF)
13. Dr. Shailendra Gupta, Assistant Professor

14. Dr. Rashmi Aggarwal, Assistant Professor

Following members could not attend the meeting because of their pre-engagement in an other meeting:

1. Dr Sunil Garg, Registrar
2. Sh. Naresh Kumar Grover, MD, Promptech. Indl. Products

At the outset, Professor (Dr.)Tilak Raj, Chairperson of Board of Faculty of Engineering and Technology of the University welcomed all the members of the Board. He also expressed his good wishes for the good health of all members and their families in the crucial scenario of COVID-19.

AGENDA ITEM	MINUTES
Item No. BOF/13/01: To consider and approve the minutes of 12th meeting of BOF held on 30.05.2019.	The Board confirmed and approved the minutes of 12 th meeting of Board of Faculties of the University held on 30.05.2019.
Item No. BOF/13/02: To consider and note the action taken report on the minutes of 12th meeting held on 30.05.2019	Regarding Item no. BOF/12/02 A brief description regarding Value Added Courses took up by the Chairperson of the Board of Faculty, Dr. Tilak Raj. He briefly described the no. Of courses/subject to be taught, no. of students in each course, duration of course etc. In all engineering branches and Faculty of Engg. And Technology. Although, content of Value Added Courses in respect of Electrical Engg. Department is not mentioned. However, the permission for running such courses is granted by the BOF with necessary post-facto approval of the authority. Others were discussed and approved by the Board.
Item No. BOF/13/03: To consider and approve the Minutes of 15th Meeting of Board of Studies (UG) & 4th	The minutes were taken up for discussion and approved.

<p>Meeting of Board of Studies (PG) of Mechanical Engineering Department meeting held on 11.09.2019.</p>	
<p>Item No. BOF/13/04: To consider and approve the Minutes of 16th Meeting of Board of Studies (UG) & 5th Meeting of Board of Studies (PG) of Mechanical Engineering Department meeting held on 28.01.2020.</p>	<p>The Chairperson (ME Deptt.) Dr. Tilak Raj, described the agenda items and the same were approved by the Board of Faculty.</p>
<p>Item No. BOF/13/5: To consider and approve the Minutes of 4th meeting of Board of Studies in Civil Engineering and Fashion Apparels held on 24-07-2019 at 10:30a.m.</p>	<p>The minutes were taken up for discussion and approved.</p>
<p>Item No. BOF/13/6: To consider and approve the Minutes of 5th meeting of Board of Studies in Civil Engineering and Fashion Apparels held on 03-04-2020.</p>	<p>The Chairperson-Civil Engg., Dr. M.L. Aggarwal briefed the Board members that 2 credits for Project in different semester starting from 3rd to final year is added for UG from the session 2020-2021. Rest agenda items are approved by the Board unanimously.</p>
<p>Item No. BOF/13/07: To consider and approve the Minutes of 9th Board of Studies (UG) meeting of Electrical Engineering Department meeting held on 14.11.2019.</p>	<p>The minutes were taken up for discussion and approved.</p>
<p>Item No. BOF/13/08: To consider and approve the Minutes of 9th Board of Studies (PG) meeting of Electrical Engineering Department meeting held on 15.11.2019.</p>	<p>The minutes were taken up for discussion and approved.</p>
<p>Item No. BOF/13/09: To consider and approve the Minutes of Board of Studies (PG & Research) meeting of</p>	<p>The minutes were taken up for discussion and approved. However, the Chairperson of the Board has advised the concerned Chairperson that BOS</p>

<p>Electronics Engineering Department meeting held on 28.08.2019.</p>	<p>UG/PG meetings are necessary for the department and these meetings should be conducted in suitable intervals and as per need.</p>																								
<p>Item No. BOF/13/10: To Apprise the members about the last NBA visit in Mechanical Engineering Department and Electronics Engineering Department.</p>	<p>All board members were apprised by Prof Tilak Raj about NBA Accreditation granted for PG Program of Mechanical Engineering and UG Program of ECE of Electronics deptt during NBA Visit in April,2019. During this NBA visit, the explicit areas of observations were noted and were placed in the form of ATRs of Mechanical and Electronics Engg deptt before the Board members for information and approval. The board members considered and approved the ATR of Mechanical Engg. However, they advised the Chairperson (ECE) to elaborate its point no. 5 regarding Average Success rate, API, FCP and FQ information. Secondly, the Chairperson (Electrical Engg.) was also advised by the Board Chairperson to work upon the preparation of NBA accreditation of its PG Program in nearby future. These ATRs are to be put before the NBA team for its consideration during its forthcoming visit.</p>																								
<p>Item No. BOF/13/11: To notify the members about the students who cleared the Gate Exam.</p>	<p>Lists of students of Mechanical, Electronics and Electrical Engg departments were put up before the board members for their kind consideration. These details were noted by all members. In addition, Prof Sandeep Grover suggested that one compiled list of various departments under Board of Faculty of Engg. And Technology is to be made instead of a number of lists supplied by the various departments</p> <p>The same is as under:-</p> <table border="1" data-bbox="743 1283 1385 1843"> <thead> <tr> <th></th> <th>GATE</th> <th>CAT</th> <th>GRE&T OFEL</th> </tr> </thead> <tbody> <tr> <td>Branch/discipline</td> <td colspan="3">No. Of students who qualified above exam.</td> </tr> <tr> <td>Mechanical Engg.</td> <td>31</td> <td>--</td> <td>--</td> </tr> <tr> <td>Electronics & Instrumentation Control</td> <td>10</td> <td>02</td> <td>01</td> </tr> <tr> <td>Electronics & Communication Engg.</td> <td>07</td> <td>01</td> <td>--</td> </tr> <tr> <td>Electrical Engg.</td> <td>18</td> <td></td> <td></td> </tr> </tbody> </table>		GATE	CAT	GRE&T OFEL	Branch/discipline	No. Of students who qualified above exam.			Mechanical Engg.	31	--	--	Electronics & Instrumentation Control	10	02	01	Electronics & Communication Engg.	07	01	--	Electrical Engg.	18		
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Electronics & Communication Engg.	07	01	--																						
Electrical Engg.	18																								
<p>Item No. BOF/13/12 : Any other item with the approval of the</p>	<p>Dr. Poonam Singhal, Chairperson (Electrical Engg. Deptt.) gave her concern regarding the</p>																								

Chair.	training semesters' students of UG/PG course during this lockdown period of COVID-19. In this regard, Dr. Tilak Raj clarified that the AICTE guideline is to be followed.
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In the end of the meeting, Dr.Tilak Raj, Chairperson of the Board expressed his sincere thanks to all the members for their cooperation and the meeting ended with a vote of thanks to the Chair.

Item BOF/14/02: To consider and note the action taken report on the minutes of meeting held on 03.04.2020.

Item No.	Decision of the BOF	Action taken
<p>Item No. BOF/14/02: To consider and note the action taken report on the minutes of 13th meeting held on 03.04.2020.</p>	<p>Item No. BOF/13/6 Dean (Engg. & Tech) briefed about the meeting of BOF held on Apr 03, 2020. It was informed that Deptt. of Civil Engg has replaced Biology & Communication Skill subjects with core subjects. The Council viewed that the Deptt. should reconsider its decision.</p> <p>Item No. BOF/13/9 Electronics Dept. Chairperson was directed that BOS UG/PG meetings are necessary for the department and these meetings should be conducted in suitable intervals and as per need.</p> <p>Item No. BOF/13/10 It was directed that the Chairperson (ECE) to elaborate its point no. 5 regarding Average Success rate, API, FCP and FQ information. Secondly, the Chairperson (Electrical Engg.) was also advised by the Board Chairperson to work upon the preparation of NBA accreditation of its PG Program in nearby future.</p>	<p>BOS Civil Engg Dept. has kept the subjects Biology and Effective Technical Communication in the revised syllabus.</p> <p>Electronics Engg. Deptt. convened the meeting BOS UG , BOS PG & Research on 16-04-2020,17-04-2020 respectively.</p> <p>Details supplied by Chairperson(ECE) are attached in Annexure- A.</p> <p>The department of Electrical Engg. has discontinued the M.Tech (Power Systems) from this session (July-Dec-2020) so there is no need to apply for NBA for PG Course this year.</p>

ANNEXURE-A (Electronics Engg. Dept.)

A) Average Success rate:

Success rate with and without backlog in stipulated period of study

$SI = (\text{Number of students who graduated from the program in the stipulated period of course duration}) / (\text{Number of students admitted in the first year of that batch and admitted in 2}^{nd} \text{ year via lateral entry and separate division, if applicable})$

Average SI = mean of Success Index (SI) for past three batches Success rate = $5 \times \text{Average SI}$
(0.81) = 4.05

Item	Latest Year of Graduation , LYG (CAYm3) (15-19)	Latest Year of Graduation , LYG (CAYm4) (14-18)	Latest Year of Graduation minus1, LYGm1 (CAYm4) (13-17)
Number of students admitted in the corresponding First Year + admitted in 2 nd year via lateral entry and separate division, if applicable	60+15 =75	59+18=77	62+12=74
Number of students who have graduated with and without backlog in the stipulated period	60	61	63
Success Index (SI)	0.8	0.79	0.85
Average Success Index	0.81		

B) Academic Performance in Second Year

Academic Performance Level = $1 \text{Average API} = 4.59$

API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year /10)) x (number of successful students /number of students appeared in the examination)

Successful students are those who are permitted to proceed to the Third year.

Academic Performance	CAYm1 (16-17)	CAYm1 (16-17)	CAYm2 (15-16)
Mean of CGPA or Mean Percentage of all successful students (X)	8.23	8.17	7.89
Total no. of successful students (Y)	51	27	47

Total no. of students appeared in the examination(Z)	75	71	74
API = X*(Y/Z)	5.59	3.10	5.01
Average API = (AP1+AP2+AP3) / 3	4.59		

C) SFR (Student faculty Ratio):

At present Electronics Engineering Department's SFR is 18.31 :1 (as per revised Norms of NBA SFR is 25 :1)

D) FCP(Faculty Cadre Proportion):

- i) At present in Electronics Engineering Department sufficient Assistant Professor are recruited.
- ii) CAS (Carrier Advancement Scheme) is also existed in our university viz:

Grade Pay	years	Recruited	Promoted
GP: 6000 to 7000	After 5 Years	Assistant Professor	Assistant Professor
GP: 7000 to 8000	After 5 Years	Assistant Professor	Assistant Professor
GP: 8000 to 9000	After 3 Years	Assistant Professor	Associate Professor
GP: 9000 to 10000	After 3 Years	Associate Professor	Professor

- iii) University advertized the post for Professor and Associate Professor under direct recruitment but response was not upto mark.

E) FQ (Faculty Qualification):

Initially all the faculty members of Electronics Engineering Department are recruited with the qualification of M.tech.. At present 80% of faculty members are pursuing Ph.D and their Ph.D work is on the verge of completion in near future, then 90% faculty members of the department will hold the Ph,D degree.

Item BOF/14/03 Electrical Engg.
J.C.BOSE University of Science & Technology, YMCA Faridabad

DATE : 20/07/2020

Department of Electrical Engineering

**MINUTES OF THE 10th BOARD OF STUDIES (UG) MEETING HELD ON
20th JULY 2020 AT 12:30 PM ON ZOOM MEETING PLATFORM**

Members Present: - Prof. (Dr.).P. R.Sharma, Dr. Poonam Singhal, Dr. Anju Gupta, Mr. Nitin Goel, Mr. Anurag Gautam (Faculty from Affiliating College), Dr. Rekha Sharma (IGNOU, Delhi)

Apologies for Absence: Dr. Prerna Gaur (Faculty from NSIT. Delhi), Mr. Anand Kr. Jha (Faculty from Affiliating College), Mr. Bhumesh Bansal,(Alumni member), Mr. Daisy (Alumni member), Dr. Raj Sekar (expert from industry), Mr. Ashok Maheshwari (expert from industry)

Dr. Poonam Singhal, Chairperson (BOS) Chaired the meeting and welcomed all the members to the eighth BOS meeting.

After a brief introduction, the items listed in the agenda were taken up for discussion and the following resolutions were passed.

The following items on the agenda were discussed.

ITEM NO. 1 BOS 10

To approve the minutes of the last meeting of BOS 9

Members of the house noted and approved the minutes of 9th BOS.

ITEM NO. 2 BOS 10

To consider and approve the revised Syllabus of Basic Electrical Engineering for all 1st year B.Tech course drafted by the departmental committee (annexure A) to be implemented from the session 2020-21. (Revised and existing syllabus attached as annexure B and C).

Members of the house noted the departmental committee report on revised syllabus of Basic Electrical Engineering for the entire first year B.Tech scheme 2020-21.

BOS members approved the revised Syllabus for Basic Electrical Engineering with modified subject title Basic Electrical Technology to be followed by the UTD and the affiliating colleges under JCBUST, YMCA, Faridabad for the session 2020-21.

ITEM No. 3 BOS 10

To consider and approve the revised Course Outcomes of various subjects of scheme 2019-20.

BOS approved the revised course outcomes of subjects of scheme 2019-20.

ITEM No. 4 BOS 10

To consider and approve the introduction of value added course 'Human Values and Professional Ethics' for UG programme for the session 2020-21 as per the recommendations of committee constituted at University level to restructure the curriculum as per letter no 1/20-2020 Adv/HSHEC dated 26/5/2020 from Haryana State Higher Education Council. (Syllabus attached as annexure D).

The BOS members approved the value added course 'Human Values and Professional Ethics' for all under graduate courses. Minimum 75% attendance is compulsory for students and its evaluation shall be done by concerned Dept. through Viva-Voce examination.

ITEM No. 5 BOS 10

To approve the list of examiners for B.Tech /M.Tech Programme----- Electrical Engineering Department.

Enclosed list of examiners has been approved by the house with the addition of new members from industry/Academics, Professors (as per AICTE norms) from the concerned department of Affiliating Colleges, in the list of Examiners for B.Tech/M.Tech Programme.

ITEM No.6 BOS 10

Any other item with the permission of Chairperson, BOS.

Additional agenda related to modification in contents of some subjects has discussed in BOS. Members suggested conducting a workshop regarding amendment in syllabus.

Meeting ended with vote of thanks to the chairperson.

Respectfully submitted



Nitin Goel
Member Secretary-BOS(UG)

Dr. Poonam Singhal
Chairperson-BOS

Copy to: - 1. Hon'ble Vice-Chancellor for kind information please

2. Dean, Faculty of Engg. and Technology

J.C. Bose University of Science and Technology, YMCA Faridabad
Department of Electrical
Engineering

Date :2nd June ,2020

MINUTES OF TENTH BOARD OF STUDIES (PG & RESEARCH) MEETING HELD ON
26TH MAY '2020 AT 4:00 PM THROUGH ZOOM PLATFORM DUE TO COVID-19

Members Present: Prof. Majid Jamil (Outside Expert), Mr. Anurag Gautam (Faculty from Affiliating College), Mr. Daisy (Alumni Member), (Prof. P.R. Sharma, Prof. Rajesh Kr. Ahuja, Dr. Anju Gupta (Associate Prof. EL Deptt.), Dr. Sakshi Kalra, Dr. Rashmi, Jain, Ms. Rachna

Apologies for Absence: Prof. Madhusudan (Outside Expert), Mr. Bhumesh Bansal (Alumni Member), Dr. Raj Sekar (Expert from Industry), Mr. Ashok Maheshwari (Expert from Industry)

Dr. Poonam Singhal, Chairperson (BOS) chaired the meeting and welcomed all the members to the tenth BOS meeting.

After a brief introduction, the items listed in the agenda were taken up for discussion and the following resolutions were passed.

The following on the agenda were discussed.

ITEM No.1

To approve the minutes of the last meeting of BOS 9 held on 15th Nov 2019. The

BOS approves the minutes of the last meeting of BOS 9 held on 15th Nov 2019 **ITEM**

No.2

To consider and approve the minutes of DRC meeting of the Electrical department held on 17th April 2020 and 9th May 2020 regarding the finalization of research topic of the research scholars of Electrical Engg. Department in the presence of external expert Dr. Sukumar Mishra, Professor IIT Delhi.

The BOS approves the minutes of the DRC meeting held on 17th April 2020 and 9th May 2020.

ITEM No. 3 BOS 10

To consider and approve minutes of DRC held on 26th May 2020 at 11.00 AM with the following agenda items:

(i) **To examine the amendments done by research scholars and finalize their respective topics and objectives of their PhD , as suggested by external expert Dr. Sukumar Mishra ,Professor IIT Delhi on dates 17th April 2020 and 9th May 2020.**

(ii) **Regarding PhD submission of research scholar of Electrical Engg. Dept. – Ms. Deepshikha (Roll No. YMCA/PH12/2K11)**

(iii) **To accept the request of Mr. Nitin Goel ,Roll No. YMCA/PH07/2K11, research scholar of Electrical Engg. Department to cancel his PhD registration.**

The house examine the final topic of Research scholars of EL Engg. Dept. after amendments done by all scholars and approves them.

Prof. Rajesh Kr. Ahuja added that **Co- supervisor of** Ms. Richa Arora Roll no. YMCAUST/Ph-11/2k16 is Dr. Pradeep Kumar, Assistant Professor, NIT Kurukshetra and Ms. Shipra Jain ,Roll No. 17-ymca-903003 is Dr. Anju Gupta respectively.

Prof. Rajesh Kr. Ahuja proposed to cancel the registration of Mr. Pragalbha Kant, Roll No. YMCA/PhD/18/178 for changing his supervisor, to which external experts suggested to follow the rules.

The House approves the DRC minutes held on 26/5/2020

ITEM No. 4 BOS 10

To approve the list of examiners of B.Tech/M.Tech Programme Electrical Engg. Dept.

List of examiners of B.Tech/M.Tech Programme Electrical Engg. Dept. has been updated.

Any other item with the permission of Chairperson, BOS. The meeting ended with a vote of thanks to the Chair.



Dr. Sakshi Kalra

Member Secretary –BOS (PG & RESEARCH)
Electrical Engineering Department.

Dr. Poonam Singhal
Chairperson (BOS)

Item BOF/14/04



J.C. Bose University of Science & Technology, YMCA, Faridabad
(A Haryana State Government University)
(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22 to Confer Degrees)
Accredited 'A' Grade by NAAC



Department of Electronics Engineering

Date:-16.04.2020

Minutes of 12th Meeting BoS (UG) held online on 16/04/2020

BoS (UG) meeting of Electronics Engineering Department was held online on 16.04.2020 on Zoom App at 2.30 P.M (Meeting ID:260365089, Password:0222760) under the Chairmanship of Dr.Neelam Turk, The members of the BOS (UG) meeting are as follows:-

1. Dr.Neelam Turk, Chairperson, EE Deptt., J.C. Bose UST, YMCA, Faridabad
2. Dr. S.K. Agarwal, Professor, J.C. Bose UST, YMCA, Faridabad
3. Dr.MunishVashishath, Professor, J.C. Bose UST, YMCA, Faridabad
4. Mr.LalitRai, Assistant Prof., J.C. Bose UST, YMCA, Faridabad
5. Mrs.GunjanSardana, Assistant Prof., J.C. Bose UST, YMCA, Faridabad
6. Dr. C.C Tripathi, Professor, UIET, Kurukshetra University, Kurukshetra
7. Dr. Kota Solomon Raju, Senior.Principal Scientist , CEERI, Pilani
8. Mr.Dharmender, Assistant Professor, NGF CET, Palwal
9. Mrs.NeetuChauhan, Assistant Professor, EIT, Faridabad
10. Mr. Y.P. Singh, Director Kapayo Solutions, New Delhi
11. Sh. SusheelArya, Manager, IBM, New Delhi
12. Sh. Rajinder Singh, Dy. Manager, Valdel Engineering, Noida
13. Sh. MakulDawar, Manager, Synopsis Inc., Noida
14. Dr.PardeepDimri , Associate Professor, JCBUST, YMCA, Faridabad-Special Invitee
15. Mr.Prashant Kumar, Assistant Professor, J.C. Bose UST, YMCA FBD-Special Invitee
16. Ms.NitinSachdeva, Assistant Professor, J.C. Bose UST, YMCA FBD-Special Invitee

The Chairperson, Electronics Engineering Department, Dr.Neelam Turk welcomed all the members of BOS(UG) for the meeting on ZOOM app.

Item No. 1: To consider and approve the minutes of the last meeting of BOS.

In the meeting, the minutes of last BOS were discussed and approved.

Item No.2: To consider and approve the scheme and syllabus of B.Tech Electronics & Computer Engineering.

BOS members went through detailed scheme of B.Tech. Electronics and Computer Engineering thoroughly. In the meeting after detailed discussion, it has been decided to approve the syllabus of 3rd and 4th semester only. In the meeting, it has been decided that one workshop by involving the industry and academic experts of Electronics and Computer for the preparation of syllabus from semester 5th to 8th.

Item No. 3: To notify the Academic Council's approval of additional credits of MOOC courses for B.Tech. (ECE,EIC, Electronics and Computer Engg.) degree course running in UTDs/Affiliated colleges, if they are earned during completion of degree.

The Academic Council vide agenda item no. 17.21 (Academic Council's 17th meeting) has considered and approved the additional credits of MOOC courses for B.Tech. (ECE,EIC, Electronics and Computer Engg.) degree course running in UTDs/Affiliated colleges, if they are earned during completion of degree.

The BOS has notified the same.

Item No. 4: To notify the Academic Council's approval of the scheme and syllabus for B.Tech. (EIC,ECE, Electronics and computer Engg) to be followed by UTD/Affiliated colleges from batch 2019-20 where additional two credits for project work in 3rd, 4th, 5th, and 6th semester are added.

The Academic Council vide agenda item no. 17.21 (Academic Council's 17th meeting) has considered and approved the additional credits the scheme and syllabus for B.Tech. (EIC,ECE, Electronics and computer Engg) to be followed by UTD/Affiliated colleges from batch 2019-20 where additional two credits for project work in 3rd, 4th, 5th, and 6th semester are added.

The BOS has notified the same.

Item No. 5: To notify the Academic Council's approval for changing the name of B.Tech. EIC to Electronics Engineering with specialization in IOT.

The Academic Council vide agenda item no. AC/19/15 (2) (Academic Council's 19th meeting) has approved the Change in the name of B.Tech in Electronics Instrumentation and Control Engg to B.Tech in Electronics Engg with specialization in IOT.

The BOS has notified the same.

Bos Members approved the scheme and Syllabus of B.tech 1st Year Electronics Engg with specialization in IOT from the session 2020-2021 with seat intake of 60. It has been decided that one workshop by involving the industry and academic experts of Electronics for the preparation of syllabus from semester 3rd to 8th.

Item No. 6: Additional regarding to consider the Action taken report for NBA visit held in 2017 and 2019.

The Action taken report is placed before the BOS for information and consideration.

Dr. Neelam Turk
Chairperson (Electronics Engineering)

CC:-

1. PA to VC for kind information of Hon'ble VC please
2. PA to Registrar for information of Registrar.
3. Dean, FOET, / Dean Academics Affairs J.C. Bose UST, YMCA, Faridabad
4. Controller of Examination, J.C. Bose UST, YMCA, Faridabad
5. Controller of Finance, J.C. Bose UST, YMCA, Faridabad



Department of Electronics Engineering

Date : 17-04-2020

Minutes of 13th Meeting BOS (PG and Research) Meeting held online on 17/04/2020

BOS (PG and Research) meeting of Electronics Engineering Department was held online on 17/04/2020 on Zoom App at 2.30 P.M (Meeting ID:805886877, Password:093651) under the chairpersonship of Dr. Neelam Turk. The members of BOS (PG and Research) meeting are as follows:

1. Dr. Neelam Turk, Chairperson, EE Deptt., JCBUST, YMCA, Faridabad
2. Dr. S.K. Agarwal, Professor, JCBUST, YMCA, Faridabad
3. Dr. Munish Vashishath, Professor, JCBUST, YMCA, Faridabad
4. Dr. Pradeep Kumar, Associate Prof. JCBUST, YMCA, Faridabad
5. Dr. Shailender Gupta, Assistant Prof., JCBUST, YMCA, Faridabad
6. Dr. Shailza Jain, Assistant Prof., JCBUST, YMCA, Faridabad
7. Dr. B. Prasad, Professor, Kurukshetra University, Kurukshetra
8. Dr. K.J. Rangra, Scientist G, CEERI, Pilani (Could not Attend the meeting)
9. Mrs. Suman Dagar, Associate Professor, NGF CET, Palwal
10. Mr. Karan Singh, Assistant Professor, BSAITM, Faridabad
11. Mr. M.L. Rohila, Superintendent Engineer, DHBVN, Palwal, HR. (Could not attend the meeting)
12. Dr. R. Senthil Kumar, Assistant Director, NPTI, Badarpur
13. Sh. Mukesh Budhiraja, Senior Research Scientist, Indian Oils, Faridabad

14. Sh. Naveen Kumar, Em Tech Foundation, Janakpuri, New Delhi (Could not attend the meeting)

The Chairperson , Electronics Engineering Department, Dr. Neelam Turk welcomed all the members of BOS (PG and Research) for the meeting. The members approved the following minutes along with suggestions.

Item No. 1.To consider and approve the minutes of the last meeting of BOS

In the meeting, the minutes of last BOS meeting were discussed and approved.

Item No. 2.To convey the all members of BOS regarding already approved item by Academic Council about the additional credits of MOOC courses forM.Tech. (ECE,VLSI, EI, Signal Processing) degree course running in UTDs/Affiliated colleges, if they are earned during completion of degree.

The Academic Council vide agenda item no. 17.21 (Academic Council's 17th meeting) has considered and approved the additional credits of MOOC courses for M.Tech. (ECE,VLSI, EI,Signal Processing) degree course running in UTDs/Affiliated colleges, if they are earned during completion of degree.

The BOS has notified the same.

Item No. 3 To convey the all members of BOS regarding already approved item by Academic Council about the closure of M.Tech. in Electronics and Instrumentation Engineering .

The Academic Council vide agenda item no. AC/19/15 (2) (Academic Council's 19th meeting) has approved the closure of M.Tech. in Electronics and Instrumentation Engineering .

The BOS has notified the same.

Item No. 4 To consider and approve the DRC minutes of Ms. Sunanda Mendiratta and Ms. Chhaya Grover.

The committee discussed and approved the last DRC minutes of research Scholars Ms. Sunanda Mendiratta and Ms. Chhaya Grover

Item No. 5 To consider and approve the named of external examiners of Ph.D thesis of Ms. Sunanda Mendiratta Roll No. YMCAUST/Ph17/2012.

The panel of external examiners for evaluation of Ph.D thesis of Ms. Sunanda Mendiratta (Roll No. YMCAUST/Ph17/2012) was presented in the presence of BOS members and considered and approved.

Item No. 6 To consider and approve the list of Examiners for UG/PG courses.

The list of Examiners for UG/PG courses was presented in the presence of BOS members and approved. In addition to that list, following name of Examiners for UG/PG courses are also suggested and approved by BOS committee

Sr. No.	Name	Designation	Institute/University	Mobile No.	Email ID
1	Ms. Monika Gaur	A.P. (ECE)	B.S. Anangpuria Institute of Tech and management, Faridabad	9911835193	Monikarwt04@gmail.com
2	Ms. Nidhi Singla	A.P. (ECE)	NGF CET, Palwal	9728683824	Nidhi.singla192@gmail.com
3	Ms. Preeti Arora	A.P. (ECE)	NGF CET, Palwal	9811491084	Preetiarora15@gmail.com

Item No. 7 To consider the post facto approval of Syllabus of “PhEE190-01:High Speed Electronic Devices and Circuits”,Course work of Research scholars for the session 2019-2020.

The BOS committee discussed and approved the Syllabus of “PhEE190-01:High Speed Electronic Devices and Circuits”,

The meeting finally ended with the thanks of the chairperson

Dr.Neelam Turk

Chairperson (Electronics Engg.)

cc:

1. PA to VC for kind information of Hon’ble VC please
2. PA to Registrar for information of Registrar.
3. Dean, FOET, / Dean Academics Affairs JCBUST, YMCA, Faridabad
4. Controller of Examination, JCBUST, YMCA, Faridabad
5. Controller of Finance, JCBUST, YMCA, Faridabad
6. IT cell to upload the MOM on the university Website
7. All concerned

Item BOF/14/02



J.C. Bose University of Science & Technology, YMCA, Faridabad

(A Haryana State Government University)

(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22 to Confer Degrees)

Accredited 'A' Grade by NAAC



BOS/JCBUST YMCACE&FAE/2020/sp 4

1/7/2020

Sub: Minutes of 6th meeting of Board of Studies in Civil Engg. and Fashion Apparels Engg.

Minutes of the 6th meeting of Board of Studies in Civil Engg. and Fashion Apparels Engg. was held on 30/6/2020 through ZOOM Cloud App meeting ID 81940137495. The following

S.N	Name	Designation
1	Dr M.L.Aggarwal, JCBUSTYMCA	Chairman
2	Dr K.N.Chatterji ,FAE,TITS Bhiwani	Member
3	Dr Vinti Davar, Retd.Professor, FAE ,KUK	Member
4	Mr Avaneesh Kumar Yadav,AP , Civil Engg. Deptt.,REC Ambedkar Nagar(UP)	Member
5	Ms. Ishrat Sultana, HOD Civil Engg., ACEM Faridabad	Member
6	Sh. Ranjan Singh, SRCEM Palwal	Member
7	Ms. Manju, AP(FAE),NGF ,Palwal	Member
8	Sh. Yogesh Kumar Morya,AP Civil Engg. ,JCBUST YMCA Faridabad	Member
9	Dr Rajni Saggi ,AP Civil Engg. ,JCBUST YMCA Faridabad	Special Invitee
10	Dr Vishal Puri, AP, Civil Engg., JCBUST YMCA Faridabad	Member/Coordinator

participated in the meeting :

Dr S. S. Teotia, Professor, KUK and Dr K.N.Jha IIT Delhi and Dr Ayush Mittal REC Ambedkar Nagar couldn't attend meeting due to their busy schedule.

At the onset, the Chairman welcomed the members in the meeting of BOS. Following deliberations were made as per the items of the circulated agenda:

Item No.BOS/6/01: To confirm the minutes of 5th BOS meeting held on 3-4-2020.
BOS confirmed the minutes of the 5th Board of Studies meeting.

Item No.BOS/6/02 : To consider the Action Taken Report (ATR) on the minutes of the 5th meeting of BOS held on 3.4.2020.

BOS noted the action taken report (ATR) on the 5th meeting of BOS held on 3.4.2020.

It was noted that:

1. BOS has kept subjects Biology and Effective Technical Communication in the revised in the UG syllabus .
2. PSO's were redefined keeping in the view professional skill and competitive skill .

Item No.BOS/6/03: To consider and approve the Minutes of Curriculum Workshop held on 21.5.2020 (Annexure).

All the four agenda items were discussed in detail as follows:

1. It was recommended that the value added course **Professional Ethics for Engineers** to be renamed as **Human Values and Professional Ethics** as the syllabus covers both . Minimum 75% attendance is compulsory for students and its evaluation shall be done by concerned Dept. through Viva-Voce examination.
2. BOS noted the start of M.Tech. program for Civil Engineering Graduates and Ph D programme for PG in Civil Engineering Department w.e.f.2020.
3. B.Tech. Civil Engineering , subjectwise list for Digital/ Classroom learning (extraordinary situation) and Blending of indian knowledge system with existing knowledge scheme , was discussed and approved in the BOS.
4. It was noted that the projects have been introduced in each semester (in revised curriculum 2020) from II yr onwards of the UG programme to focus on livelihood earning methods.

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

**Chairman
Board of Studies**

All Members

CC: (Sent through email)

PA to Hon'ble Vice-Chancellor for kind information of Vice-Chancellor

PA to Registrar for information of Registrar



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Website: jcboseust.ac.in

JCBUST YMCA/2020/Civil Workshp /Sp.2A

Date: 21.6.2020

Subject: Minutes of Online Curriculum Workshop at J.C.Bose University of Sc & Technology Faridabad on 21.6.2020 at 11.30am.

Minutes of the Curriculum Workshop meeting on 21.6.2020 at 11.30am. through ZOOM Cloud App meeting ID 87375834187. The following participated in the meeting :

S.N.	Name	Affiliation	Designation
1.	Dr. M.L.AGGRAWAL	Professor, JCBUST YMCA Faridabad	Chairman
2	Sh. Deepak Verma	Director, Prasheetan Energy LLP	Member
3	Sh. P K Chauhan	SE- DHBVN	Member
4	Sh. Virender Dhiman	SE-Haryana Power Generation Corpn. Ltd, Panchkula	Member
5	Sh. Ankur Mittal	Manager, NCB Faridabad	Member
6	Sh. Sanjeet Kumar	GM, Amber Enterprise India Ltd	Member
7	Sh. Sonu Yadav	Falcon, Autotech P Ltd, Noida	Member
8	Dr Arvind Gupta	Professor, JCBUST YMCA Faridabad	Member
9	Dr Ayush Mittal	HOD, REC Ambedkar Nagar (UP)	Member
10	Dr Vishal Puri	AP, JCBUST YMCA Faridabad, Coordinator	Member/Coordinator
11	Dr Rajni Saggu	AP, JCBUST YMCA Faridabad	Member
12	Sh. Yogesh Kumar Morya	AP, JCBUST YMCA Faridabad	Member
13	Dr Anju Gupta	Associate Prof., JCBUST YMCA Faridabad	Member
14	Dr Smita	AP, JCBUST YMCA Faridabad	Member
15	Sh. Satyam Kumar	Student, JCBUST YMCA Fbd	Special Invitee
16	Ms. Jaanvi Soni	Student, JCBUST YMCA Fbd	Special Invitee

At the onset, the Chairman welcomed the members in the Curriculum Workshop meeting . Following deliberations were made as per the items of the circulated agenda:

1. **Scheme and syllabi of M.Tech Energy and Environmental Engineering Programme**

Draft prepared by committee consisting of Dr Arvind Gupta Professor(ME), Dr Anju Gupta Associate Professor(EE), Dr Smita AP(EVS) and Dr Rajni Saggu AP(Civil) was discussed in detail. The following updation was suggested in the syllabi of the M.Tech. Programme:

- a) Rooftop solar system alongwith battery power storage/ grid supply system is to be added.
- b) Star rating and BIS standard for cooling systems to be added.
- c) Conventional energy sources to be added in brief.
- d) India cooling action plan with reference to energy and efficiency is to be added. A copy of the same was also supplied by Sh. Deepak Verma Director, Prasheetan Energy LLP.
- f) Projects/ Dissertation should be industry supported to improve employment prospects of students.

2. **Syllabus of Professional Ethics For Engineers. Recommendation for adding this subject as value added course for all UG students.**

Drafted syllabus by Dr Rajni Saggu(Civil) , Dr Vishal Puri (Civil) and Sh. Yogesh Kumar Morya(Civil) was discussed. Outside industrial experts appreciated the Dept. for timely addition of this syllabus. It was suggested that the **Professional Ethics for Engineers** course is very important and it may be added as value added course for all UG students.

3. **To prepare Ph D Course work syllabi in Civil Engg. Dept.**

Draft prepared by committee : Dr Rajni Saggu and Dr Vishal Puri was discussed. It was suggested that the following courses may be opted for Ph D course work in Civil Engg. Department:

- a) Advanced Materials in Structures
- b) Engineering Behaviour of Solids

4. **Informing B.Tech. Civil Engineering , Subjectwise List for Digital/ Classroom learning (extraordinary situation), Blending of indian knowledge system with existing knowledge.**

Draft prepared by committee Dr Rajni Saggu , Dr Vishal Puri and Sh. Yogesh Kumar Morya was discussed. Digital learning mode is to be opted only in emergent situation like COVID19 but there is no substitute of class room teaching. Blending of indian knowledge system with existing knowledge may be added in UG projects/PG projects& dissertation/Ph D thesis. Such assignments worked upon by students, will connect them with industries/ society.

Dr Vishal Puri
AP Civil Engg. & Workshop Coordinator

CC: All Concerned Chairpersons

Dept. file

Item BOF/14/06

Details of Value Added Courses for imparting transferable and life skills offered during Jan-June 2020 semester

S.No	Name of Department	Name of Value added course	Course Coordinator(s)	Duration (min. 30 hours)	No. of students enrolled	Whether proof submitted to IQAC
1	Civil Engg	Technological Industrial Practice	Prof.M.L. Aggarwal, Dr Vishal Puri	Jun1-6, 2020 (30 hours)	46	Yes
2	Civil Engg	Computer Aided Structural Design	Prof.M.L. Aggarwal, Dr Vishal Puri	July 21-31,2020	102	Complete information will be provided at the end of course.
3	Electronics	“Hands on Training on IOT Modules”	Dr.Sheilza Jain Ms.Rashmi Chawla	24-29 Feb,2020	40	Yes
4	Electrical	Industrial Automation with practical on real world Application	Dr. Poonam Singhal Mr. Satvinder	Feb-22,23,29 Feb and 1 Mar-2020 (30 Hours)	57	Yes

Item BOF/14/06

SYLLABUS

VAC01: Human Values and Professional Ethics

The value added course is compulsory for students. It may be taught through digital aided learning / class room teaching. Its duration is 35 hours. Minimum 75% attendance is compulsory for students and its evaluation will be done by concerned Dept. through Viva-Voce examination.

PROFESSIONAL ETHICS OBJECTIVES:

To enable the students to create an awareness on Ethics and Human Values, to instill Moral and Social Values and Loyalty and to appreciate the rights of others.

UNIT I HUMAN VALUES

Morals, values and Ethics – Integrity – Work ethic – Service learning – Civic virtue – Respect for others – Living peacefully – Caring – Sharing – Honesty – Courage – Valuing time – Cooperation – Commitment – Empathy – Self confidence – Character – Spirituality – Introduction to Yoga and meditation for professional excellence and stress management.

UNIT II ETHICS

Senses of Ethics – Variety of moral issues – Types of inquiry – Moral dilemmas – Moral Autonomy – Consensus and Controversy – Models of professional roles - Theories about right action – Self-interest – Customs and Religion.

UNIT III PROFESSIONALS AS SOCIAL EXPERIMENTATION

Social Experimentation – Professionals as responsible Experimenters – Codes of Ethics – A Balanced Outlook on Law.

UNIT IV SAFETY, RESPONSIBILITIES AND RIGHTS

Safety and Risk – Assessment of Safety and Risk – Risk Benefit Analysis and Reducing Risk - Respect for Authority – Collective Bargaining – Confidentiality – Conflicts of Interest – Occupational Crime – Professional Rights – Employee Rights – Intellectual Property Rights (IPR)

Gender inequality, causes and consequences. Discrimination, Social understandings, Women

and Men in the Organization, Consequences of sexual harassment.

UNIT V GLOBAL ISSUES

Multinational Corporations – Environmental Ethics – Computer Ethics – Weapons Development

– Professionals as Managers – Consulting Engineers – Professionals as Expert Witnesses and Advisors Moral Leadership – Code of Conduct – Corporate Social Responsibility.

COURSE OUTCOMES :

Upon completion of the course, the student should be able to apply ethics in society, □ discuss the ethical issues related to engineering and realize the responsibilities and rights in the society.

TEXTBOOKS:

1. Mike W. Martin and Roland Schinzinger, “Ethics in Engineering”, Tata McGraw Hill, New Delhi, 2003.
2. Govindarajan M, Natarajan S, Senthil Kumar V. S, “Engineering Ethics”, Prentice Hall of India, New Delhi, 2004.

REFERENCES:

1. Charles B. Fleddermann, “Engineering Ethics”, Pearson Prentice Hall, New Jersey, 2004.
2. Charles E. Harris, Michael S. Pritchard and Michael J. Rabins, “Engineering Ethics – Concepts and Cases”, Cengage Learning, 2009
3. John R Boatright, “Ethics and the Conduct of Business”, Pearson Education, New Delhi, **2003**
4. Edmund G Seebauer and Robert L Barry, “Fundamentals of Ethics for Scientists and Engineers”, Oxford University Press, Oxford, 2001
5. Laura P. Hartman and Joe Desjardins, “Business Ethics: Decision Making for Personal Integrity and Social Responsibility” Mc Graw Hill education, India Pvt. Ltd., New Delhi 2013.

Web sources:

1. www.onlineethics.org
2. www.globalethics.org
3. www.ethics.org

VAC02: Message of Bhagwat Gita

The value added course is for UG/PG students. It may be taught through digital aided learning / class room teaching. Its duration is 35 hours. Minimum 75% attendance is compulsory for students and its evaluation will be done by concerned Dept. through Viva-Voce examination.

OBJECTIVES:

To enable the students to create an awareness on Message of Bhagwat Gita • to instill Moral , Social Values and to appreciate the Karma Yoga .

Unit 1

Introduction: Relevance of Bhagavad Gita today – Background of Mahabharatha.

Arjuna Vishada Yoga: Arjuna's Anguish and Confusion – Symbolism of Arjuna's Chariot.

Sankhya Yoga: Importance of Self-knowledge – Deathlessness: Indestructibility of Consciousness – Being Established in Wisdom – Qualities of a Sthita-prajna.

Unit 2

Karma Yoga: Yoga of Action – Living in the Present – Dedicated Action without Anxiety over Results - Concept of Swadharma.

Dhyana Yoga: Tuning the Mind – Quantity, Quality and Direction of Thoughts – Reaching Inner Silence.

Unit 3

Bhakti Yoga: Yoga of Devotion – Form and Formless Aspects of the Divine – Inner Qualities of a True Devotee.

Gunatraya Vibhaga Yoga: Dynamics of the Three Gunas: Tamas, Rajas, Sattva – Going Beyond the Three Gunas – Description of a Gunatheetha.

COURSE OUTCOMES :

Upon completion of the course, the student should be able to realize the Relevance of Bhagavad Gita today • Yoga to devotion, realize the responsibilities and duty in the society

Textbooks

- Swami Chinmayananda, "The Holy Geeta", Central Chinmaya Mission Trust, 2002.
- Swami Chinmayananda, "A Manual of Self Unfoldment", Central Chinmaya Mission Trust, 2001.