

harshada jadhav <harshadajadhav32@gmail.com>

Fwd: Meeting of the BoS

1 message

Nikita Malore <nik.malore007@gmail.com> To: harshadajadhav32@gmail.com

Tue, Mar 15, 2022 at 12:26 PM

- Forwarded message -

From: YS Mahajan <ysmahajan@dbalu.ac.in>

Date: Mon. Mar 14, 2022, 4:34 PM Subject: Fwd: Meeting of the BoS

To: Nikita Malore <nik.malore007@gmail.com>, AR Chavan <archavan@dbatu.ac.in>, YS Mahajan <ysmahajan@dbatu.ac.in>

Forwarded message -From: PV VijayBabu <pvvijaybabu@dbatu.ac.in>

Date: Sat, Jan 28, 2017 at 11:43 PM Subject: Re: Meeting of the BoS

To: vrpatwardhan <vrpatwardhan@hotmail.com>, VS Sathe <vssathe@dbatu.ac.in>, VP Jawanjal <vpjawanjal@dbatu.ac.in>, YS Mahajan <ysmahajan@dbatu.ac.in>, AR Chavan <archavan@dbatu.ac.in>, <Rajendra.Narkhede@gexcon.com>, SB Bodekar sbbodekar@dbatu.ac.in, sonali chaudhari@dbatu.ac.in>

Dear Members/Invitees.

Please find herewith attachments of 2nd, 3rd and final year 8. Tech proposed syllabilito be discussed and finalised during the meeting of 8oS to be held on 30th January 2017. Members who are unable to attend the meeting may send their comments/suggestions by email.

With regards,

Dr.P.V.Vijay Babu DBATU, Lonere

On Fri, Jan 13, 2017 at 4:13 PM, PV VijayBabu <pvvijaybabu@dbatu.ac.in> wrote: Dear Members and Invitees,

Meeting of the Board of Studies (BoS) in Chemical and Petrochemical Engineering will be held on 30th January 2017 at 11.30 AM in Analytical Lab of Chemical Engineering Department. You are hereby requested to make it convenient to attend the meeting. The syllabi of B.Tech Chemical and Petrochemical Engineering will be discussed and final proposal will be decided, during the meeting. M.Tech Chemical Engineering syllabus will also be reviewed during meeting.

https://mail.google.com/mail/u/07%=065dde261c&view=pl&search=al&permittid=thread/43A1727347556876842205&simpl=mps-f55A1727347950876642209

Dr.P.V.Vijay Babu Head, Chemical Engineering

Dr. Yogesh S. Mahajan Dept. of Chemical Engineering, Dr. B. A. Technological University, Lonere Tal. Mangaon, Dist. Raigad, Maharashtra - 402 103 (Mobile - 09421939941 / 9923188748)

4 attachments

- B.Tech Chemical Engineering New Syllabus 2016-17 (2nd year).docx
 40K
- B.Tech Chemical Engineering New Syllabus 2016-17 (3rd year).docx 57K
- B.Tech Chemical Engineering New Syllabus 2016-17 (Final year).docx 41K
- M.Tech (Chemical) Course Structure-revised 2016 (for EC).doc 154K

Minutes of the meeting of Board of Studies (BoS) in Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology

A meeting of the BoS in the Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology was held as detailed below:

- Day and Date: Tuesday, 25th September, 2018
- Venue and Timing: Analytical Laboratory, 11.00 am
- Agenda:
 - o The subject codes and
 - list of paper setter, evaluator and moderator for Winter 2018 examination.
 - Any other point with the permission of the chair

The following points were discussed:

- The subject codes:

 Most of the subject codes are the same as assigned previously, except for a few changes as per the directives from the Examination Section. The same was changed and as such the coding is listed as appendix for reference.
- List of paper setter, evaluator and moderator for Winter 2018 examination.:
 The list of paper setter, evaluator and moderator for Winter 2018 examination was prepared and the same is attached here for reference as appendix.
- Certain points were raised by Dr. S. Guhe of JNEC, Aurangabad and these were discussed at length in the meeting as follows:
 - a. By mistake, the course code BTCHL308 was assigned to two labs of different Courses namely "Fluid Flow Operation Lab" and "Mechanical Operations Lab". Each lab has 1 Credit and both courses are important for Chemical Engineering discipline.

aprine.	
BTCHL308	Fluid Flow Operations Lab
BTCHL308	Mechanical Operations Lab
BTCHL309	Field Training / Internship/Industrial Training Evaluations

This mistake is rectified by assigning two different codes to these labs as follows (the changed codes are as follows):

BTCHL308	Fluid Flow Operations Lab
BTCHL309	Mechanical Operations Lab
BTCHL310	Field Training / Internship/Industrial Training Evaluations

Everything else remains the same.

 Mini Project -II in Semester IV. Is it continuation of Mini Project-I or totally independent activity/head;

The committee resolved the same as follows: The mini project II can be continuation of the Mini Project I. But this is not necessary, it can be independent as well.

 End Semester Exam for both Mini Project I & II worth 40 Marks. Is it viva conducted by External Examiner or is it by Internal Assessment.

The committee resolved the same as follows: The viva can be conducted as per the rules meaning that appropriate examiner may be called for the purpose.

How CA worth 60 Marks will be conducted.

The committee resolved the same as follows: CA for mini project is through the progress of the students throughout the duration i. e., the semester and the assessment can be done through proper records.

 Could we have previous exam Question Papers on DrBATU web page: The University examination for IIIrd semester is conducted for the first time for the new syllabus and hence previous question papers are not available.

Appendix I List of Examiners, M. Tech. in Chemical Engineering

Sr.	Subject Code	Name of subject	Name of Examiners
No.	MTCH101	Advanced Momentum Transfer	 Prof. U. S. Patil, PVPIT, Dr. Mahajan Yogesh S.
2	MTCH102	Elective I (Advanced Heat Transfer)	 Prof. Ravindra Uppin Prof. A. D. Patil, PVPIT,
3	MTCH103	Advanced Reaction Engineering	 Prof. (Mrs) S. S. Metkar Prof. V. S. Pore, PVPIT.
4	MTCH104	Thermodynamics of Phase Equilibria	 Prof. Ravindra Uppin Prof. S. Y. Pawar, PVPIT,
5	MTCH105	Process Intensification: Bioprocess Engineering:	Elective II 1) Prof P. B. Dhanke, PVPIT, 1)Prof. A. R. Chavan
6	MTCH106	Communication Skills	 Prof. A. P. Shesh Prof. Sarjerao Narwade, PVPIT,
7	MTCH107	Computational Lab I	1) Dr. V. S. Sathe

Appendix II List of Examiners, B. Tech. in Chemical / Petrochemical Engineering

Sr. No.	Subject Code	Name of Subject	Chairman :	Papersetter/Evaluator					
1	BTCHC301	Engineering Mathematics III	Dr. B. B. Singh	1)Dr. G. C. Lomate 2. Dr. B. B. Singh					
2	BTCHC302	Chemical Process Calculations	Prof. V. P. Jawanjal	1)Prof. P. V. Vijay Babu 2)Prof. N. V. Ghasghase 3)Prof. M. V. Pople					
3	BTCHC303 Fluid Flow Operations BTCHC304 Mechanical Operations BTBSC305 Advanced Engineering Chemistry		Prof. A. R. Chavan	1)Prof. P. V. Vijay Baba 2) Prof. U. S. Patil 3) Prof. V. A. Gite					
4			Dr. V. S. Sathe	1)Prof. S. S. Metkar 2)Prof. S. U. Dhongade 3)Dr. S. L. Bhagat 4)Prof. M. R. Gaonkar 1)Dr. P.B. Lokhande 2)Dr. Dipti Patil 3)Dr. L. D. Chavan					
5			Prof. H. A. Mujawar						
6	RTOF306 Elective I								
	BTCHE306 A Green Technology		Prof P. V. VijayBabu	1)Dr. S. L. Bhagat					
	BTCHE306 B Renewable Energy Sources		Prof P. V. VijayBabu	1)Prof. S. D. Yadav 2)Prof. A. D. Patil 3) Prafulli Mahakal					
	BTCHE306 C	Nanotechnology	: Not o	ffered presently.					
	BTCHE306 D	Materials for Engineering * Applications	Prof P. V. VijayBabu	1)Prof Siddhesh Palande					

Appendix III List of Subjects with Codes

Sem. III

1	BTBSC301	Engineering Mathematics -III					
2	BTCHC302	Chemical Process Calculations					
3	BTCHC303	Fluid Flow Operations					
4	BTCHC304	Mechanical Operations					
5	BTBSC305	Advanced Engineering Chemistry					
6	BTOE306 Elective I						
	BTCHE306A	Green Technology					
	ВТСНЕ306В	Renewable Energy Sources					
	ВТСНЕ306С	Nanotechnology					
	BTCHE306D	Materials for Engineering Applications					
7	ВТСНМ 307	Mini Project I					
8	BTCHL 308	Fluid Flow Operations Lab					
9	BTCHL 309	Mechanical Operations Lab					
10	BTCHF 310	Field Training / Internship/Industrial Training Evaluations					

There is one slight change in the evaluation scheme i. e., in the End Sem Examination (ESE) of

BTCHF310	Field Training / Internship/Industrial Training Evaluations

the previously mentioned marks are 100 and total credits are 1. The same need to be changed to ESE 50 marks and credits remain 1.

Sem IV

1	BTCHC401	Numerical Methods in Chemical Engineering
2	BTCHC402	Chemical Engineering Thermodynamics I
3	BTCHC403	Heat Transfer Operations
4	BTHM3401	Basic Human Rights
5	BTID405	Product Design Engineering
6	BTCHC406	Strength of Materials
7	ВТСНМ407	Mini Project II
8	BTCHL408	Heat Transfer Operations Lab
9	BTCHL409	Programming Languages Lab
10	BTCHL410	Advanced Engineering Chemistry Lab
11	BTCHF411	Field Training & Internship/Industrial Training (minimum 4 weeks which can be completed partially in first semester and second Semester or in at one time.)

There is one slight change in the evaluation scheme i. e., in the End Sem. Examination (ESE) of

DTCUEAL	Field Training / Internship/Industrial Training Evaluations
BTCHF411	1 1014 112111

the previously mentioned marks are 100 and total credits are 1. The same need to be changed to ESE 50 marks and credits remain 1.

Dr. Babasaheb Ambedkar Technological Unievsrity, Lonere Proposed Teaching and Examination Scheme for M. Tech. Chem. Engg. (July 2017 onwards)

	Subject Code and Name		Sche	me				N SELECTION CO.	n Scheme	T
0.	Dinijeti	L	P	T	Credits	Th	Theory		ac	7
Sr. No.	4					Theory	ğ	3	PROR	TOTAL
_			First	Sem	ester	1				
			-	1	1.4	60	20	20		100
1	MCH 101, Advanced Momentum Transfer	3	Ľ				20	20	-	100
2	MCH 102, Elective - I	3		•	3	60				100
3	MCH 103, Advanced Reaction	3		1	4	60	20	20		100
4	Engineering MCH 104, Thermodynamics of	3	+	1	4	60	20	20	(*)	100
	Phase Equilibria MCH 105, Elective - II	3	-	-	3	60	20	20		100
5		2		:	2		-	25	25	50
6	MCH 106, Communication Skills				2	-	-	25	25	50
7	MCH 107, Computational Lab - I	*	3	-			100	150	58	600
-	Total for Semester 1	17	3	3	22	300	100	133	1 1000	
_		S	econ	d Sen	iester					100
1	MCH 201, Advanced Mass Transfer	3	-	1	4	60	20	20		
2	Operations MCH 202, Advanced Separation	3		:	3	60	20	20	•	100
	Techniques MCH 203, Elective - III	3	-	-	3	60	20	20		100
3	D Northeaville			-	3	60	20	20	*	100
4	MCH 204, Elective - IV	3				2000		50	50	100
5	MCH 205, Seminar		4		2	ं		8.5%		100
6	MCH 206, Open Elective**	3	•-		3	60	20	20		
7	MCH 207, Mini Project /	:	4	•	2	-		50	50	100
_	Computational Lab II Total for Semester 2	18	6	1	20	300	120	220	100	700

		7	lilrd	Seme	ster					
1	MCH 301, Project Management and Intellectual Property Rights		-	•	2			50	50	100
2	MCH 302, Project Work (Singe-I)	•		•	10	•	•	50	50	100
3	Total for Semester 3				12			100	100	200

		F	ourtl	Sem	ester					
1	MCH 401, Project Work (Stage -II)	•	•		20	•	٠.	100	100	200
2	Total for Semester 4				20		*	100	100	200

GRADUATE ATTRIBUTES

The Graduate Attributes are the knowledge, skills and attitudes which the students have at the time of graduation. These attributes are generic and are common to all engineering programs. These Graduate Attributes are identified by National Board of Accreditation.

- Scholarship of Knowledge: Acquire in-depth knowledge of specific discipline or professional area, including wider and global perspective, with an ability to discriminate, evaluate, analyze and synthesize existing and new knowledge, and integration of the same for enhancement of knowledge.
- Critical Thinking: Analyze complex engineering problems critically, apply independent judgment for synthesizing information to make intellectual and/or creative advances for conducting research in a wider theoretical, practical and policy context.
- Problem Solving: Think laterally and originally, conceptualize and solve engineering problems, evaluate
 a wide range of potential solutions for those problems and arrive at feasible, optimal solutions after
 considering public health and safety, cultural, societal and environmental factors in the core areas of
 expertise.
- 4. Research Skill: Extract information pertinent to unfamiliar problems through literature survey and experiments, apply appropriate research methodologies, techniques and tools, design, conduct experiments, analyze and interpret data, demonstrate higher order skill and view things in a broader perspective, contribute individually/in group(s) to the development of scientific/technological knowledge in one or more domains of engineering.
- Usage of modern tools: Create, select, learn and apply appropriate techniques, resources, and modern
 engineering and IT tools, including prediction and modeling, to complex engineering activities with an
 understanding of the limitations.
- 6. Collaborative and Multidisciplinary work: Possess knowledge and understanding of group dynamics, recognize opportunities and contribute positively to collaborative-multidisciplinary scientific research, demonstrate a capacity for self-management and teamwork, decision-making based on open-mindedness, objectivity and rational analysis in order to achieve common goels and further the learning of themselves as well as others.
- 7. Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply the same to one's own work, as a member and leader in a team, manage projects efficiently in respective disciplines and multidisciplinary environments after consideration of economical and financial factors.

2

Communication: Communicate with the engineering community, and with society at large, regarding
complex engineering activities confidently and effectively, such as, being able to comprehend and write
effective reports and design documentation by adhering to appropriate standards, make effective
presentations, and give and receive clear instructions.

 Life-long Learning: Recognize the need for, and have the preparation and ability to engage in life-long learning independently, with a high level of enthusiasm and commitment to improve knowledge and

competence continuously.

10. Ethical Practices and Social Responsibility: Acquire professional and intellectual integrity, professional code of conduct, ethics of research and scholarship, consideration of the impact of research outcomes on professional practices and an understanding of responsibility to contribute to the community for sustainable development of society.

 Independent and Reflective Learning: Observe and examine critically the outcomes of one's actions and make corrective measures subsequently, and learn from mistakes without depending on external

feedback.

PROGRAM EDUCATIONAL OBJECTIVES

PEO1	Pursue successful industrial, academic and research careers in specialized fields of Chemical Engineering.
PB02	Apply the knowledge of advanced topics in Chemical Engineering to meet contemporary needs of industry and research.
PEO3	Use modern software tools for design of processes and equipment.
PBO4	Identify issues related to ethics, society, safety, energy and environment in the content of
PEOS	Pursue self-learning to remain abreast with latest developments for continuous professional growth.

PROGRAM OUTCOMES: At the end of the program, the student will be able to:

PO1	Model chemical engineering processes including multi-component mass transfer, multi-phase momentum transfer and multi-mode heat transfer from advanced engineering perspective.
PO2	Apply modern experimental, computational and simulation tools to address the
PO3	Implement techniques for minimizing cost and energy requirements in chemical plants.
PO4	Design measures to take care of environment, health and safety issues pertaining to
PO5	Communicate effectively and demonstrate leadership skills
PO6	Carry out research work independently and innovate novel processes and products
PO7	Practice professional ethics
8O9	Pursue life-long learning as a means of updating knowledge and skills

Minutes of the meeting of Board of Studies

A meeting of the board of studies for department of Chemical and Pertrochemical Engineering was arranged on 14-1-2019. The following members were present.

- 1) Prof. Sudhir Yadav, JNEC, Aurangabad
- 2) Dr. Y. S. Mahajan
- 3) Dr. A. R. Chavan
- 4) Dr. (Mrs) Sonali Mhatre

The following points were discussed in the meetring.

- The first year and second year syllabus structure for Chemical Engineering and Petrochemical Engineering which was already approved was discussed and the corrections were incorporated.
- 2) The third year and fourth year syllabus for both the departments was discussed in detail and the course structure was prepared keeping in mind by the comments received from all the sources. The course was prepared according to the prescribed rules and regulations.
- The discussion was done on various electives to be offered, about the final year project and the newly introduced six month industry project for eighth semester students which is kept as optional for them.

The meeting ended with thanks to Chair.



Minutes of the meeting of Board of Studies (BoS) in Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology

An online meeting (on platform Zoom) of the BoS in the Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology was held as detailed below:

- Day and Date: Tuesday, 26th July, 2020
- Agenda:
 - Finalization about proposed syllabus and course structure for new students admitted to Chemical/Petrochemical starting from year 2020-21
 - Finalization of Major and Minor courses
 - 3) Any other relevant point

The following teachers attended the meeting

Faculty from Dr. BATU, Loncre

- 1) Prof. P. V. VijayBabu
- 2) Prof. V. P. Jawanjal
- 3) Prof. A. R. Chavan
- 4) Prof. (Mrs) S. S. Metkar
- 5) Prof.(Mrs) Sonali Mhatre

Prof. Y. S. Mahajan had network problems to attend meeting but he provided valuable suggestions in offline mode.

Faculty from Affiliated Colleges:

- 1) Prof. Unmesh Patil
- 2) Prof. Sadanand Guhe
- 3) Prof. S. Khot

Leave of absence was granted to all those who could not attend the meeting. Dr. A. R. Chavan, Head, Chemical Engineering welcomed all other faculty members and briefed about the agenda of the meeting.

The following points were discussed:

- The first agenda point was about finalization of new syllabus and course structure proposed for students taking admission to first year BTech(Chemical) in year 20-21 for all four years. All the members showed satisfaction about most of the things. The discussion was mainly about Major and Minor courses in the Syllabus.
- 2. Prof Chavan showed the proposed major and minor courses for Chemical Engineering. About minor courses, Prof. VijayBabu suggested Heat Transfer should be in fifth semester instead of seventh semester. The members agreed over this. The correction is done as shown in attached file. Prof. Chavan Showed corrections over the major and minor courses not included in previous BoS meeting. This was done for

odd-even balances for the students. The members agreed over the inclusion of new subjects as shown in attached file. Now the documents can go to AC approval(if needed) in its present form.

 Prof(Mrs) S. S. Metkar presented the syllabus and course structure for Petrochemical Engineering and as there was no significant changes over the previous BoS meeting(19/6/2020), the members suggested that now the syllabus and course

structure should be sent to AC approval(if needed) in its present form.

4. Prof Sadanand Guhe and Prof. Unmesh Patil suggested some corrections in the syllabus. Prof. Guhe expressed that syllabus of Process flowsheeting laboratory in upcoming final year syllabus needs minor changes in terms of software requirement. Prof Chavan opined that already final year syllabus has been uploaded after approval from previous BoS meeting. So if possible only, the changes can be done by requesting to Dean academic. The required change is shown in attached file. Prof Patil suggested that for the new syllabus, seminar and miniproject should be of 2 hours instead of 4 hours. Prof Chavan opined that the guidelines had already came for this and if possible in future, the corrections can be done.

The meeting ended with thanks to Chair.

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Dr. BabasahebAmbedkar Technological University



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Minutes of the meeting of Roard of Studies (RoS) in Chemical Engineering

Minutes of the meeting of Board of Studies (BoS) in Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology

An online meeting(on platform Zoom) of the BoS in the Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology was held as detailed below:

- Day and Date: Thursday, 18th January, 2022 Time: 6.30 pm
- Agenda:
 - 1) Online courses for fourth, sixth and eighth semester of BTech(Chemical/Petrochemical) Engineering
 - 2) Planning for syllabus modification/revision(if any) for AY 2022-23
 - 3) Any other point with the permission of Chair

The following teachers attended the meeting

Faculty from Dr. BATU, Lonere

- 1) Prof. P. V. VijayBabu
- 2) Prof. V. P. Jawanjal
- 3) Prof. A. R. Chavan
- 4) Prof. (Mrs) S. S. Metkar

Faculty from Affiliated Colleges:

- 1) Prof. Unmesh Patil(PVPIT, Sangli)
- 2) Prof. S. L. Bhagat(PVPIT, Sangli)

Prof. V. S. Sathe and Prof. Y. S. Mahajan of Dept of Chemical Engg, Dr. BATU, Lonere could not attend the meeting.

Prof. A. R. Chavan, HoD, Chemical Engineering of Dr. Babasaheb Ambedkar Technological University, Lonere welcomed all other faculty members and briefed about the agenda of the meeting.

The following points were discussed:

 The first agenda point was about finalization of online courses for even semester of BTech(Chemical/Petrochemical) Engg for fourth, sixth and eighth semester of AY 2021-22. The courses suggested for this are NPTEL courses mentioned in the course structure and syllabus of both departments. Dr. A. R. Chavan presented online courses for Chemical Engineering department. One course for fourth semester, one course for sixth semester and few courses were suggested for eight semester as per the curriculum. The

- students and the respective departments have been given flexibility of choice of courses for eighth semester. All the members showed satisfaction about most of the things. Prof(Mrs) Sangeeta Metkar similarly presented online courses for BTech(Petrochemical Engg). The members showed satisfaction over this. The details of the online courses are shown in the attached files separately.
- 2. Prof Chavan opined that the for AY 2022-23, the syllabus modification/revision can be done, if needed, especially for third year BTech(Chemical/Petrochemical) Engineering. For this, the faculty members should find if any modifications are needed and present before next BoS meeting(if possible) before commencement of next academic year. He also opined that the present overall syllabus needs changes e.g. better CO/PO mapping and etc. and it should be done in next few months as a teamwork of all faculty members. All other members agree over this.

The meeting ended with thanks to Chair.

Dr. A. R. Chavan Head, Dept of Chemical Engg

BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE ELECTRICAL ENGINEERING DEPARTMENT

Maures of meeting

Date November 26, 2018

Anurgent meeting of Board of Studies was held on 26 November 2018 at office of Electrical Engineering Apartment. following members were present

Prof. DB Talange

Prof. B.N. Chowadary

Prof. S.L. Nalbalwar (Special Invited) 4. Prof. K. Vadirajacharya

leave of absence was granted to Prof. M Shankar

following points were discussed

To review and confirm minutes of previous meeting. Minutes of previous meeting were read and confirmed.

1. Te discuss and finalize subject code of second year subjects of B. Tech. Electrical Engineering (Eketronics and Power)/ Electrical & Electronics Engg / Electrical & Power Engg

Seneture and syllabus of second year B Tech. Electrical Engineering (Electronics and Power) Electrical & Electronics Engg - Electrical & Power Engg was discussed and finalized to follow the structure and syllabus of B. Tech Electrical engineering with enhanced department electives to sun the need of branch specialization.

Detail structure of the course is attached as appendix-l

Meeting was anded with vote of thanks to chair

ECK Crownellars 3, Prof. S.L. Nalbalwar 4, Prof. K. Vadranachar



To.

Dean Academics,

Dr. BATU, Lonere.

Subject: - Approval for Electrical Engineering Department Board of Study Member

Dear Sir.

With reference to above subject I am hereby submitting you the following list of the new members along with their bio-data for your review and approval.

Sr. No.	Name of new member	Post hold	Working Organisation	Working experience
01	Dr. Faruk Kazı	Professor and Head, Electrical Engg. Dept.	V.JTI, Mumbai	30 yr. approx.
02	Dr. U. V. Patil	Dean Academics, Associate Professor, Electrical Engg. Dept.	Government College of Engineering, Karad.	24 yr.
03	Dr. A. N. Sarwade	Associate Professor.	Sinhgad College of Engineering Pune	21yr.
64	Mr. Y. S. Kalekar	Dy. Manager (Exports)	Shreem Electric Ltd. Jaysingpur	24 yr.

With this letter I am requesting to you to approve these renowned and experienced personality in the field of academics and industries of electrical engineering. If this approval is done on the priority basis so that a meeting of the member will be arranged for the new syllabus finalization. Thanks and regards.

Prof. Satarkar M. F. A. R.

Head Electrical Engg. Dept.

DBATU-Lonere.

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Recommended to approvales invited members on Bus

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Deans Hoelmy

Enclosed: Four Bio-data of the members

Dr. Babasaheb Ambedkar Technological Herrore

Date: 19/11/2019.

Submission: Approval for special invited member for Board of Study meeting.

Subject: - As per the directives of Dean Academics.

With reference to above subject a meeting of Board of Study was going to be held on 3rd December, 2019(tentatively). I am hereby submitting you the following list of the members for your approval.

Sr. No.	Name of new member	Post hold	Working Organisation	Working experience
01	DR. FARUK KAZI	Professor and Head, Electrical Engg. Dept.	VJTI, Mumbai	30 yr. approx.
02	Dr. U. V. Patil	Dean Academics, Associate Professor, Electrical Engg. Dept.	Government College of Engineering, Karad.	24 yr
03	Dr. A. N. Sarwade	Associate Professor,	Sinhgad College of Engineering Pune	21yr.
04	Mr. Y. S. Kalekar	Dy. Manager (Exports)	Shreem Electric Ltd. Jaysingpur	24 ут.

You are here by requested to approve the same.

Prof. Satarkar M. F. A. R

Head Electrical Engg. Dept.

DBATU-Lonere.

To.

Honble Vice Chancellor

DR. B.A.T.Uyiv. Lonere.

Allella (Second)

REGISTRAR

Dr. Babasaheb Ambedkar Technological University

Manager Diet Harfart Maharashti

Enclosed: Recommendation letter of Dean Academics.

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE ELECTRICAL ENGINEERING DEPARTMENT

Agenda of meeting

Date: January 23, 2020.

A Board of Studies meeting was held on January 23, 2020 in the Electrical Engineering department of the Dr. Babasaheb Ambedkar Technological University, Lonere at Faculty development center at 10,30 am for the curriculum designing for the B.Tech. Electrical Engineering, B. Tech. Instrumentation Engineering and B Tech. Electrical and Instrumentation Engineering, for 2021 batches.
Following members were present.

1. Prof. D. N. Sonawane

4. Prof. M. F. A. R. Satarkar

2. Prof. B.N. Chaudhari

5. Prof. K. Vadirajacharya

3. Prof. A. N. Sarawade (Special Invitee)

Prof. P. K. Katti, Prof. S. D. Agashe, Mr. S. Vide, Prof. U. V. Patil (Special Invitee), Prof. Faruk Kazi (Special Invitee), Mr. Y. S. Kalekar (Special Invitee) were absent for the meeting.

Following representative of different affiliated institute were present for the meet

Sr. No.	Name	Institute
0.1	V. Santosh Kumar	N.K Orchid CoE
20	Prasad Patil.	N.K Orchid CoE
03	Sandip Ushkewar	College SVKM'S Inst. Of Tech.
04	Kishor Shinde	YSPM's YTC Satara
05	B. M. Nayak	AGCE Satara
06	S. M. Pawar	DIET Satara

 The main agenda for the meeting was development of course structure and detail syllabocontains of the B Tech Electrical engineering, Instrumentation engineering and Electrical and Instrumentation Engineering courses for 2021.

2 Modification of syllabus of subject control system, for current semester of B Tech Third year

VI semester electrical engineering course.

 Approval for elective VIII subject of semester VI B Tech Electrical Engineering which are not available online.

Meeting was ended with vote of thanks to chair

Prof. of Sommane. Prof. B.N. Chaudhari

Prof Ask Saruwade

Prof. St. F. & Smarker

Prof. K. Vasdirajunitury a 200 11200

CONERE RAIGAD DE LA CONTRACTOR DE LA CON

Dr. Babasaheb Amhedi ar Too) relogical University

Tai Mangaon, Dist. Raigad, (Maharashtra)

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITTY, LONERE BTEEC 601 CONTROL SYSTEM (ITY SEM VI)

Teaching Scheme Lectures Theory | 03 hrs / Week Tutorial: 01 Hr / Week

Credit: 04

Examination Scheme Internal Assessment: 20 Marks Mid-Sem Exam Test 20 Marks End Sem Exam 60 Marks

Course Syllabus:

Prerequisi	te Network analysis and synthesis	
Course	To know different basic concepts and components of a control system. To derive transfer functions of basic control system components. To perform stability analysis using time domain and frequency domain respond to design and analyze PID controller. Lo understand and analyze PID controller.	
Unit	To understand and analyze state variable technique Contents	Contact
- 1	-, - ,	Hrs.
	Introduction: Concept of open & closed loop control system. Transfer Function: a) Concept of system: physical system. Physical model. Linear and nonlinear systems. Time variant and invariant system. b) Equations of physical systems (Mass-Spring-Dashpot system, R-L-C series & parallel circuit) transfer function. Procedure of obtaining transfer function.	6
2	Block diagrams and Signal flow graphs: a) Block diagram. Block Diagram reduction, and Numerical examples, b) Signal flow graph. Masons gain formula for deriving overall transfer function of systems. Feedback characteristics of control system: Concept of negative and positive feedback. Sensitivity of the system to parameter variation using negative and positive feedback.	6
3	Time domain analysis: Typical test signals, tane domain spectroaction. Steady state response, Types of system, Steady state error constants and steady state error. Numerical examples, transient response, Numericals, Steady state error. Numerical examples, transient response, Numericals, Concept, of stability, Determination of stability by Routh - Hurwitz	b
4	Frequency domain analysis: Introduction to frequency response Advantages of frequency domain analysis. Polar plots, Numericals, Bode Advantages of frequency domain analysis. Polar plots, Numericals, Bode plots. Principle of argument, Nyquist criterion, Relative stability from Poot Locus, Construction of Syquist criterion, Numericals Definition of Root Locus, Construction of Syquist criterion, Numericals Definition of Root Locus, Construction of Pool of Syguist Criterion, Numericals Definition of Root Locus, Effect of root locus, and Stability from root locus plots, Root counters, Effect of addition of poles & zeros on root locus plots.	o o

- PID controllers: Introduction to Proportional (P), Integral (I) & 6
 Derivative (D) controller individual effect on overall system performance, examples

 State Variable Technique Concept of state & state variable. State Variable Analysis: Different forms of state variable representations (Phase, physical & canonical form), Concept of diagonalization. Obtaining state equations from transfer function representation and vice versa, solution of state equations, State transition matrix (STM), Methods of finding STM, Power series method, Laplace transform method, Calay Hamilton method, Controllability & observability of linear system. References:
 - Ogata K., 'Modem control Engineering', Prentice Hall
 - 2 Kuo B. C., "Automatic Control System" Prentice Hall
 - 3 Nagarath L.J., Goral M., 'Control System Engineering' Willey Eastern.
 - 4 Coper M. Control System (Prentice Hall OfIndia),





ELECTRICAL ENGINEERING DEPARTMENT CONNOLOGICAL UNIVERSITY LONERE

Minutes of meeting

Minutes of Board of Stoches 2018-19 was held on September 27,2018 at office of Electrical engineering department

following members were present

1. Prof. S.D. Aghase

2 Prof. N.D. Sonawane 3 Prof. D.B. Talange

4 Prof B.N Chowadary

Prof. M Shankar

Prof. P.K. Katti

Prof K. Vadirajacharya

Lowe of absence was granted to Prof R.M. Nagarale Nagarale

as a was the first meeting of board, the meeting started with the introduction of each member

To review and confirm minutes of previous meeting.

Minutes of provious meeting were read and confirmed. Committee expressed thanks to all members for per contributions in cartier board.

2. To finalize the subject code of second year and third year subjects.

The subject code for all the subjects of second year in Electrical engineering. Instrumentation engineering and Electrical and Instrumentation engineering were discussed at length and proposed as given in ATTEXUEC-1

3. To finalize the names of paper setter, evaluator and moderator for winter 2018 examination As per email instruction from Hon'le Vice Chancellor Prof. B. N. Chowadary was nominated as BoS representative on Board of examination.

Based on duta ay inhable with the committee a team of subject chairman and two examiner were proposed for each subject and tentative list is enclosed as Annexure-II

4. Any other matter with permission of chair

L. To discuss and give recomendations on Teacher Students Examiner Manual

As per email request from Col. dated 24 September a discussion on Teacher Student Examiner Manual was made on to anable model manuals.

The committee differed this recommendation to next meeting as it is related with Cos and POs of each subject and needs detail discussions. Final format and the guidelines for the said manual be finalized depending apon the department curriculum in the next meeting.

2. To confirm draft syllabus of B. Tech Instrumentation. As per the email from Col: Amberigas the draft syllabus of B Tech Electrical and Instrumentation Ingeneeting was discussed and recommended for placing it in forthcoming AC for necessary approval

Based on expertise and requirement of the board the committee recommends following 3. To Nominate invited members on the board Prof S D Agabise | Prof and Head Instrumentation Engineering CoE Pune

Prot in Electrical Eng DBATU Lonere

2 Prof P.K. Katti

3 Prof DN Sonawane

Professor in Instrumenataion engg CoE Punc Mr Sudhakar Vide Assi Vice President Reliance Energy Lid Mumbai

Meeting was ended with vote of thanks to chair

3 Prof HN Chowalary 4 Prof

Part D of Callet Prof M Shankar

6 Prof D N Sonawane 7 Prof P K Kath Prof S D Agasho





Second uneeting Bos Electrical Engineering Following members were prefer 1. Prof. D. B. Talenge Studies 26/14 2. PWF BIV. Chowdary Studes 26/14 3 Prof. K. Vadirasaclarys (Chairman 4. Prof. S. L. Mai Dal War (Sp. Invites)

PR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE ELECTRICAL ENGINEERING DEPARTMENT

dinutes of meeting

stimules of Board of Studies was held on 26 November 2018 at office of Electrical Engineering Jenarement. following members were present

L Prof DB Talange

2 Prof. B.N. Chowadary

lent of absence was granted to Prof. M Shankar

Prof. S.L. Nalbalwar (Special Invited)

Prof. K. Vadirajacharya

following points were discussed

1. To review and confirm minutes of previous meeting. Minutes of previous meeting were read and confirmed

2. Te discuss and finalize subject code of second year subjects of B.Tech. Electrical Engineering (Electronics and Power)/ Electrical & Electronics Engg / Electrical & Power Engg

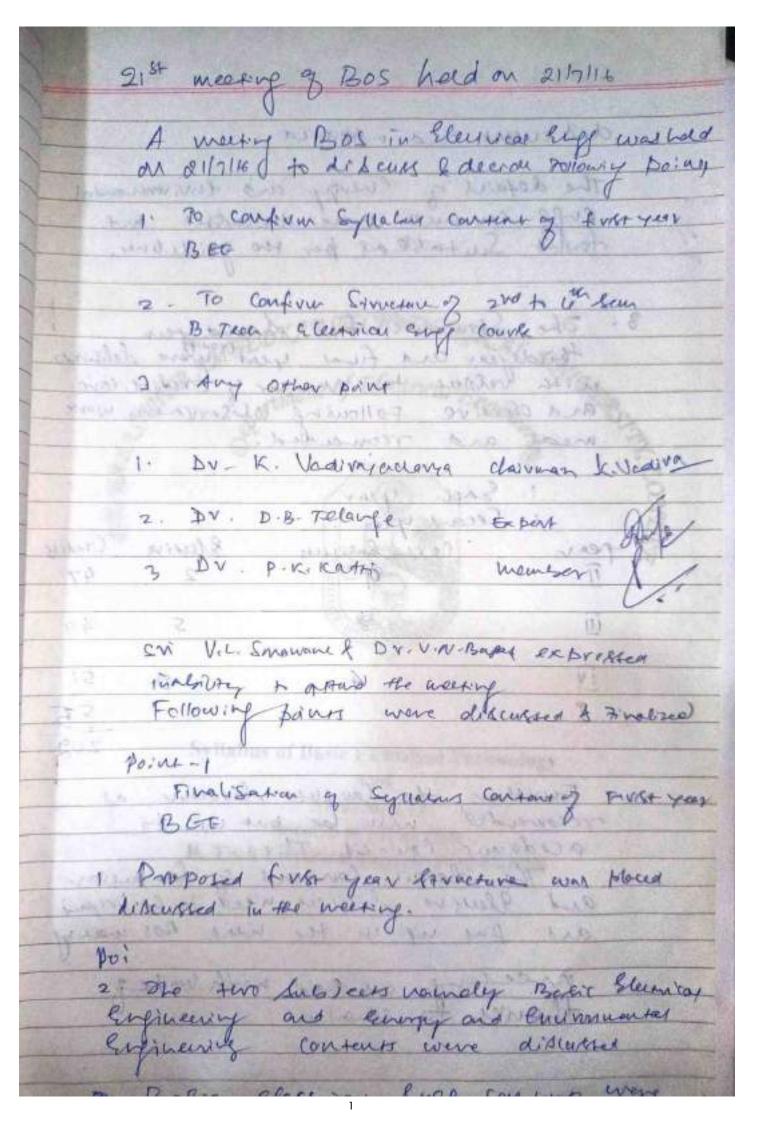
Structure and syllabus of second year B. Tech. Electrical Engineering (Electronics and Power) Electrical & Electronics Engg Electrical & Power Engg was discussed and finalized to follow the smeture and syllabus of B. Tech Electrical engineering with enhanced department electives to suit the need of branch specialization.

Detail structure of the course is attached as appendix-I

Meeting was ended with vote of thanks to chair

3. Prof. S.L. Nalbahvar. 4. Prof. K. Vadiranacha va





warming hear hard or summer discusses and approved. as selving to delegate I dee on polonie be The details of every and divisioning enfl contents were discussed and forthe Suitable as per the guidelines. To confirm Samueron of got by the life from 3. The Structures for Seend year thirdeyear and final year were deline with belove to number of credits, cono and elective. Following observations was mede and reconceded. K. Vedinapering Claimer Resident v4 61 1. Each year 11 Second year . The V6 5 Tear Cove Susjeen Elevive CTEAN 0 49 EN V. Lemma x Dr. V. Pringer expressed within the found of minings Hollowith have posses from the world 20 1- W. 199 Further the Complete Structure as recoverded mil be put up to acedamic Council. T' The detail consent of Conquery and Elevino Subject need to Go prope and put up in the west thos wasty meeting ended with vote to chaire Continue array distinction Baker election had contain and

SANTER AMBEDKAR TECHNOLOGICAL VAITABLE OF Electrical Engineers (SANTER LANGE OF ELECTRICAL Engineers). LONES OF ELECTRICAL ENGINEERS (SANTER LANGE OF ELECTRICAL ENGINEERS). LONES OF ELECTRICAL ENGINEERS. LONES OF ELEC

Syllabus of Basic Electrical Technology
And
Structure of
Second to Final year
B. Tech Electrical Engineering Course

SYLLABUS OF BASIC ELECTRICAL TECHNOLOGY

Unit-1, Elementary Concepts:

prerequisite: Concept of Potential difference. Current and resistance. Ohm's law, effect of temperature on resistance, resistance temperature coefficient, insulation resistance. SI units of work Power and Energy. Conversion of energy from one form to another in electrical and thermal systems.

Unit 2. D. C. Circuits (Only Independent sources)

Kirchhoff's law, ideal and practical voltage and current sources. Mesh and Nodal analysis (Super node and super Mesh excluded). Source transformation. Star delta transformation. Superposition theorem, Theorem, Norton's theorem, maximum power transfer theorem (Source transformation not allowed for superposition theorem, Mesh and Nodal analysis.

Unit. 3. A.C. Fundamentals: Sinusoidal voltage and currents, their mathematical and graphical representation, concept of cycle period, frequency, instantaneous, peak, average, r.m.s. values, peak factor, and form factor, phase difference, lagging, leading and in phase quantities and phasor representation. Rectangular and polar representation of phasors.

Study of S.C circuits of pure resistance, inductance and capacitance and corresponding voltage-current phasor diagrams, voltage - current and power waveforms.

Unit.4. Single phase and poly phase A. C. circuits:

- A) Single phase AC Circuits: Study of series and parallel R-L, R-C, R-L-C circuits, concept of impedance and admittance for different combinations, wave form and relevant voltage current phasor diagrams. Concept of active, reactive, apparent, complex power and power factor, resonance in series and parallel RLC circuit. Q- factor and band with
- B) B) Polyphase AC circuits: Concept of three phase supply and phase sequence. Balanced and unbalanced loads voltage current and power relations in three phase balance star and delta loads and their phasor diagrams.

Unit.5. Electromagnetism:

- A) Magnetic effect of electrical current cross and dot convention, right hand thumb rule and cork screw rule, nature of magnetic field of long straight conductor, concepts of solenoid and torrid. Concepts of m.m.f, flux, flux density, reluctance, permeability and field strength, their units and relationship. Simple series and parallel magnetic circuits., comparison between electrical and magnetic circuits, force on current carrying conductor placed in magnetic field, Fleming's left hand rule.
- B) Faraday's law of electromagnetic induction, Fleming's right hand rule, statically and dynamically induced EMF's self and mutual inductance coefficient of coupling, energy stored in magnetic field.
- C) Introduction to electrical AC DC Machines: Principles of operation and applications. Unit.6. Single phase transformer and electrostatics:
 - A) Single phase transformers: Construction, principle of working, e.m.f equations, voltage and current ratios, losses, definition of regulation and efficiency, determination of these by direct loading method. Descriptive treatment of autotransformer.

TEACHING & EVALUATION SCHEME ELECTRICAL ENGINEERING

III SEMESTER.

Course	Course Name	Teach	ning Sc	heme	and the same of	Evalu	ation S	cheme		Credits
Code		L	P	T	Int	MSE	ESE	TW	Pr/OR	-
C000	Engineering Mathematics-III	3	0	1	20	20	60	1	Tuote	4
MAL301		3	0	1	20	20	60		1000	4
EEL302	THE REAL PROPERTY AND ADDRESS OF THE PARTY O	3	0	0	20	20	60		100	3
MEL303 EEL304	- Market Market Control of the Contr	4	0	0	20	20	60		1	4
EL305	Engineering Economics	2	0	0	20	20	60		-	2
EL306	Fitting -1	4.	0	0	20	20	60			4
EP307	Network Analysis and Synthesis Lab	.0	2	0		(w	-0	-25	25	1
EP308	Measurement and instrumentation cars	0	2	0				25	25	1
EE1309	Industrial Training		-					25	25	1
EEE310	NSS/NCC/Sports! Arts		145	-		-	10		1	
District of the	TOTAL	19	04	02	120	120	360	75	75	24

IV SEMESTER.

Course	Course Name	Teach	ning Sc	heme		Credits				
Code		L	P	T	Int	MSE	ESE	TW	Pr/OR	1000
EELA01	Electrical Machine-I	3	0	1	20	20	60		-	4
EEL402	Power System-I	3	0	1	20	20	60	-	-	4
EEL403	Electrical Installation and Estimation	3	0	0	20	20	60			3
EEL/104	Numerical Methods and Programming	3	0	0	20	20	60	-	1/4/3	3
EEL405	Elective -II	4	.0	0	20	20	60	-	+	4
EEL406	Elective -411	3	0	0	20	20	60		+	3
EEP408	Electrical Machine-I Lab	0	2	0	-	-	-	2.5	25	-
EEP409	Numerical Methods and Programming Lab	0	2	0		-	-	25	25	1
EEE410	NSS/NCC/Sports/ Arts		0	-			+	-		-
CCC410	TOTAL	19	04	02	120	120	360	50	50	23

TEACHING & EVALUATION SCHEME ELECTRICAL ENGINEERING

V Semester

Course	Course Name	Teach	hing So	heme		Evali	ation 9	Scheme		Credits
Code		L	P	T	Int:	MSE	ESE	TW	Pr/OR	- Conta
EEL501	Electrical Machine-II	3	0	1	20	20	60	-	-	4
EEL502	Power System-II	3	0	.0	20	20	60	2		1
EEL503	Control System-1	- 3	0	0	20	20	60	2	143	1
EEL504	Microprocessor and micro-Controller	3	0	1	20	20	60	-	1200	4
EEL505	Human Rights	2	0	0	20	20	60			7
EEL506	Elective-IV	3	0	0	20	20	60	- 2		1
EEL507	Elective-V	3	0	0	20	20	50	+	+	3
EEP508	Electrical Machine-II Lab	0	2	0	7-9		18-11	25	25	1
EEP509	Power System-II Lab	0	2	0	-	-	-	-25	25	1
EEP510	Microprocessor and micro Controller Lab	0	2	0	-	-	-	25	25	1
EET511	Industrial Training			-	5.	-	-	25	25	1
With State of the	TOTAL	20	06	02	140	140	420	100	100	26

VI semester

Course	Course Name	Teach	hing So	heme		Evali	iation S	chemi		Credits
Code	200-60-7-0-7-0-7-0-7-0-7-0-7-0-7-0-7-0-7-	1.	P	T	Int	MSE	ESE	TW	Pt/OR	
EEL601	Control System-II	3	-0	-1	20	20.	60	100	-	4
EEL602	Principles of Electrical Machine Design	3	0	1	20	20	60	-	14.	4
EEL603	Power Electronics	3	.0	0	20	20	60			3
EEL604	Eintive-VI	3	0	0	20	20	60	+	-	3
EEL605	Elective-VII	3	0	0	20	20	60	-		3
EEL606	Elective-VIII	3	0	0	20	20	60			3
EEP607	Control System-II Lab	0	2	0	2		-	25	25	1
EEP608	Principles of Electrical Machine Design Lab	0	2	0	-	1.0	-	25	25	100
EEP609	Power Electronics Lab	0	-2	0	*			25	25	1
	TOTAL	18	04	02	120	120	360	75	75	23

TEACHING & EVALUATION SCHEME ELECTRICAL ENGINEERING

v II Semester

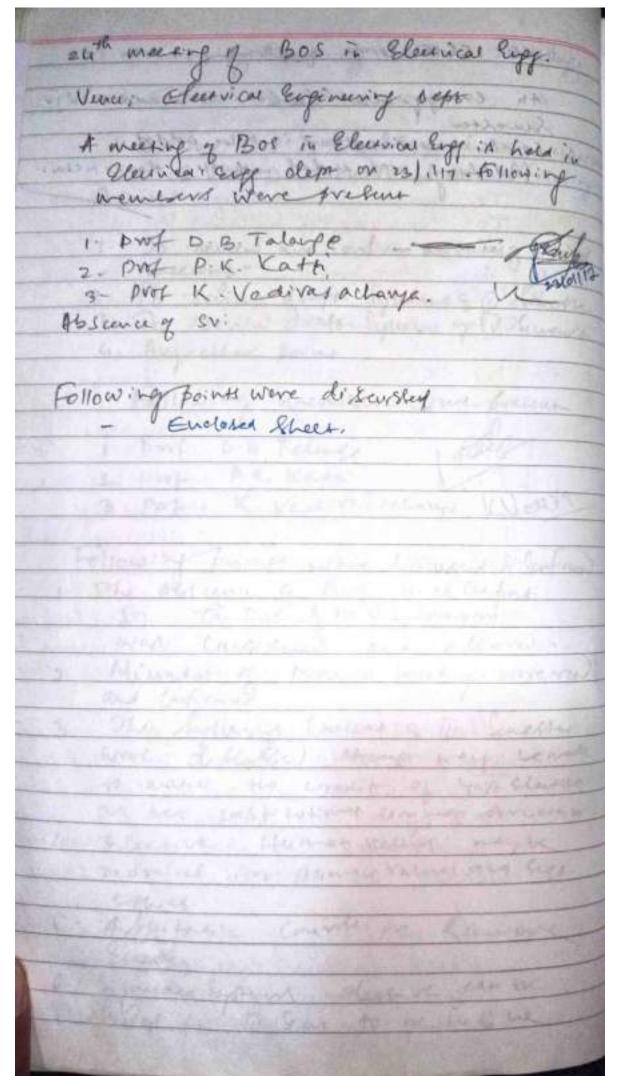
Course	Course Name	Teaching Scheme				Evaluation Scheme					
Code		L	P	T	Int	MSE	ESE	TW	printers and	Credits	
EEL701	Controlled Drives	4	0	0	20	20	PROTECTION OF THE PARTY OF THE	1.74	Pr/OR		
EEL702	Power system modeling and Analysis	4	0	0	20	20	60	14	-	4	
EEL703	Elective-IX	3	0	0	20	20	60			4	
EEL704	Elective-A	3	0	0	20	20	60		-	3	
EEP705	Controlled Drives Lab	0	2	0	+	20	00	25	44	3	
EP706	Power system modeling and Analysis Lab	0	2	0			-	25	25 25		
EP707	Seminar	0	2	0				25	25	-	
EP708	Project Phroc-I	0	2	0				25	25	6	
ET709	Industrial Training	0	0	0				25	25	- 1	
-	TOTAL	14	08	00	80	80	240	125	125	27	

VIII Semester

Course	Course Name	Teac	hing Se	heme		Credits				
Code		L	P	T	Int	MSE	ESE	TW	Pr/OR	
EEL801	Electrical Utilization	4	0	0	20	20	60	-		4
EEL802	High Voltage Engineering	4	0	0	20	20	60			4
EEL803	Elective-XI	3	0	0	20	20	60	+	1.5	3
EEL804	Elective-XII	3	0	0	20	20	60			3
EEP805	Electrical Utilization Lab	0	2	0		-	200	25	25	1
EEP806	High Voltage Engineering Lab	0	2	0		-	-	25	25	1
EEP807	Project Phase-II	0	4	0	-	-		50	50	8
ALC: 807	TOTAL	18	08	00	80	80	240	100	100	24

venu: EEDColdeg Engineering Pune. A weeting of Bos in Cleanital Engineering was held on 16th Laguest 2016 at EED, Cot prine to 1. To confirm Structure of M. Fell (Eps) 2. To confirm the syllabors Content of M. Tech (Eps) 3. Any other point: R.C. member proposal. to Auly other point Following members were present 1. Dv. K. Vadirajachavya Chairman & 2. Dv. D. B. Talenge. Export Politica 3. Dv. P. K. Kath member. Hollowie and the state of Si. V. L. Sonawane & DV. V. N. Bapat & pressed their inaloility to attend the meeting Confirmed. It were discussed and 10 The Alleman of Part VIII Black 1. Minutes of previous uncerting were read of Confirmed 2. structure of M. Teah (Eps); The Structure for M. Tech 2016-17 proposed was discussed and aprece 3. The Syllabous content for sew-I are sung along with the details for elective and cove Subjects were discussed in desnit and agreed to incorporate suggested min modification by the members DV. VN. Bapat, sui sondume v. L. Cong Enail 4. The names of proposed RC newton were placed for consideration, the lane was ge consider. ed with voteg Hours to chair

23 meeting of Board of Studies in Slave Eng Venus EED DBATU Conere The deput sale as ever the sale of A weer of Bos in Sleet Enginhald on 1100 at 1000 Lonere to discuss follows To confirm the system of my fund of 1. Do review and Confirm winaxes & premis meetings ! the patter 2. Po review doraft Sylvans & il Soiners 3. To review draft Syllains of It Kenney 4. Auxother point Dr. K. Vadiragashasus Following wemen were present 1 Prof. D.B. Televill 2 pmp. P.K. Kati 3 prof - K. Vedirainelange Williams Salversch more during articular Following points were lixurged & landon 1. The Alscence of Prof V. N. Bapat Svi G. Das & MV. V. L. Sonawane Was considered and approved. 2. Minutes of previous meeting were vous 3. The Syllagus Content of W Senesses were discussed. Attempt way wend to maken the credit of your short as per instituting comman farmers 4. Elective Human values may & reducted for Human Values and lys stury. 5 - A Suitage Courte on Receiver there was a series 6. Signman Systems . where we can the Shifted to Til Sen to be in the



DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE **ELECTRICAL ENGINEERING DEPARTMENT**

Date: January 23, 2017

Minutes of meeting

A meeting of Board of Studies was held on January 23, 2017 at office of Electrical Engineering department.

Following members were present:

1. Prof. D. B. Talonge Talange

3. Prof. P.K.Katti

Prof. K. Vadirajacharya

Leave of absence was granted to following members.

1. Prof. V. N. Bapat

3. Mr. G.K. Das

2. Mr. V.L. Sonavane

4. Dr. U.V. Patil

Following points were discussed:

1. To review and confirm minutes of previous meeting: Minutes of previous BOS meeting held on 11th December 2016 were read and confirmed

2. To review drafts of syllabus of III Year

The draft syllabus was revived and following changes were suggested:

- EEL502 Power System-II Unit-6 to be added with introduction to Power Quality coveringdef, causes, affects, standards and mitigation methods.
- EEL 506 Elective IV.1 Industrial Automation is to be replaced with Illumination engineering.
- EEL 507 elective V.1 is to be replaced with new subject "Electrical Mobility"
- Elective VII-1 Digital and numerical protection is to be added suitably

3. To review drafts of syllabus of IV Year:

- Elective X-2 Advance Instrumentation Zigbee, AMI Net metering is to be added in unit 6.
- Elective 704 X.3 SPEM Unit is to be modified by adding BLDC motor and its control suitably.
- Elective- XI.1 Introduction to Power System Component s is to be replaced with new subject "Smart grid design and analysis"
- Elective-XL3 Advance Control systems- Stiding mode control is to be added suitably

4. Any other matter with permission of the Chair:

- Review of II Year syllabus:
- Elective-I Engineering material Content is to be revived as per BOS physics but the title will be "Electrical Engineering Material"
- Electrical Machine –I and Electrical Machine –II is to be revived and synchronous machines is to be added suitably.
- EEL 405-2 Digital Electronics is to be replaced with "Analog and digital Electronics" the content should be revised accordingly.
- Eel 406. Elective-III.2. INCS 5 unit is to be replaced with energy storage devices.

All open elective is to be matched with other department for confirmation and avoiding repetition. Adequate pre requisite is to be verified for each open elective.

Meeting ended with vote of thanks to chair

Priso 1. Prof. R. Vadirajacharya 2. Prof. D.B. Talango 3. Prof. P.K. Katti Chairman

Subject Expert

Member

Administrative Committees

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE ELECTRICAL ENGINEERING DEPARTMENT

Date:9-4-2017

NOTICE

Sub: Notice for Twenty fifth meeting of Board of Studies

The Twenty fifth meeting of board of studies shall be held as per following details.

Date: 12 April, 2017

Time: 11.00 A.M.

Venue: EED Govt College of Engg Pune

Agenda for the meeting:

- 1. To review and confirm minutes of previous meeting
- 2. To review drafts of syllabus of M. Tech (EPS)
- 3. To review drafts of syllabus of M. Tech (EDC)
- 4. Any other matter with permission of the Chair

All members are requested to make it convenient to attend the meeting.



(Dr. K. Vadirajachayal

BoS Electrical Eng

To,

Member

BoS Electrical engg

Administrative Committees

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONER EELECTRICAL ENGINEERING DEPARTMENT

Date: 5 July 2017

Sebmission:

Subject: Approval for expansion of Board of Studies Committee.

Ref. Discussion in HoDs meeting

with above subject and reference it is proposed to expand Board of Studies in Electrical Engineering board with following members for preparation of curriculum of B. Tech (Instrumentation Engg.)

S.No	Name	Qualification	Post held	
01	Prof. S. D. Agashe	M.E. Ph.D	T WAS THE REAL	Organization
-	Minister I Samuel	17712171125	Professor in Instrumentation and Control	College of Engg Pune
02	Prof. D. N. Sonawane	M.E. Ph.D	Associate Professor in Instrumentation and Control	College of Engg Pune
03	Dr. S. S. Sunder rajan	M.E. Ph.D	CEO	Altius technologies private limited pune

You are here by requested to approve the same

Approved

Prof. R. Vadirajacharya

Head of Dept

To, Honb'le Vice Charcellor

DBATU Lonere

Date: 5 July 20167

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY LONERE

Date: 03-01-201

NOTICE

Sub: Notice for Twenty seventh meeting of Board of Studies

The Twenty Seventh meeting of board of studies shall be held as per following details.

Date: 11th January 2018

Time: 11.00 A.M.

Venue: EED DBATU Lonere

Agenda for the meeting:

- 1. To review and confirm minutes of previous meeting.
- 2. To confirm draft syllabus of B. Tech Instrumentation
- 3. To confirm review draft syllabus of Basic Electrical Engineering
- 4. Any other matter with permission of the Chair
 - L. M. Tech Admission Matrix

All members are requested to make it convenient to attend the meeting.

Sd/ Chairman (Dr. K. Vadirajacharya) BoS Electrical E

To,

Member

805 Electrical engg

Administrative Committees

Minutes of meeting of BoS (Electrical Engineering) held on August 11, 2020 at 3.00pm through GOOGLE MEET online platform.

The BoS (Electrical Engineering) Meeting was held on August 11, 2020 at 3.00 pm through GOOGLE MEET online platform. The Meeting was attended by:

1. Prof.(Dr.)S.M.Badave, Head Electrical Engg Dept. MIT, Aurangabad

Chairman

2. Prof.(Dr.)N.J.Patil, Principal, D.N.Patel CoE, Shahda

Member

3. Prof. B.Venkatesha Perumal, Head Electrical Engg Dept. NIT, Suratkal

Member

4. Dr. M.A.Chaudhari, Head Electrical Engg Dept. VNIT, Nagpur

Member

The following member was absent for the meeting

Prof. H.Satarkar, Head Electrical Engg Dept., DBATU, Lonere.

At the onset, the Chairman welcomed all the BoS members to the meeting and placed the agenda for deliberation of the members.

Before taking the formal agenda, it was unanimously decided to take it on record, to thanks Hon. Vice Chanceller, for giving an opportunity to work as Chairman/Member on Board-of-Studies of Electrical Engineering.

Agenda 1: To consider and approve the structure and syllabus of Forth Year for the B.Tech program. (year 2020-21)

- Electrical and allied branches (Electrical Engineering / Electrical Engineering (Electronics and Power) / Electrical & Electronics Engg / Electrical & Power Engineering)
- b. Electrical and Instrumentation Engineering
- c. Instrumentation Engineering

The Chair presented the syllabus of final year to all members for discussion.

After the discussion and corrections, it was unanimously decided to accept the syllabus of Final Year Engg, for academic year 2020-21

The copy of syllabus is attached for your reference.

Hon. Dean is requested to present the syllabus in Academic Council for final approval.

Thanks and Regards.

Chairman Board of Studies - Electrical Engineering

Dr. Baba Jahob Ambedkar Technocorpeal University.
Tal-Aangion Disk Raugad (Managadian)

Minutes of meeting of BoS (Electrical Engineering) held on 17th Sept, 2020 at 5.00pm through GOOGLE MEET online platform.

The BoS (Electrical Engineering) Meeting was held on 17th Sept. 2020 at 5.00 pm through GOOGLE MEET online platform. The Meeting was attended by:

1. Prof.(Dr.)S.M.Badave, Head Electrical Engg Dept. MIT, Aurangabad	Chairman
2. Prof.(Dr.)N.J.Patil, Principal, D.N.Patel CoE, Shahda	Member
3. Prof. B.Venkatesha Perumal, Head Electrical Engg Dept. NIT, Suratkal	Member

The following member were absent for the meeting

Prof. H.Satarkar, Head Electrical Engg Dept., DBATU, Lonere.

Dr. M.A.Chaudhari, Head Electrical Engg Dept. VNIT, Nagpur

At the onset, the Chairman welcomed all the BoS members to the meeting and placed the agenda for deliberation of the members.

Agenda:

To finalize the online courses available on SWAYAM/NPTEL or any other MOOC platform, that can be mapped upto 70% with odd semester courses of B.Tech program, from the year 2020-21.

After the discussion, it was unanimously decided that, following courses are relevant upto 70% to the odd semester courses of B.Tech program.

Sr.No.	Course Code	Name of Subject as per Curriculum	Semester
1	BTEEE305	(A)Electrical Engineering Material	III
2	BTEEOE506	(A)Electrical Mobility	٧

Hon. Dean is requested to present these courses in Academic Council for final approval.

Thanks and Regards.

Encl: Course details which can be uploaded on site

Chairman Board of Studies- Electrical Engineering.

Dr. Babasaheb Ambedkar Technological University L LONERE (102 103 Tal Mangaon, Dist. Ralgad, (Maharashtra)

Minutes of meeting of BoS (Electrical Engineering) held on 16th Jan, 2021 at 3.00pm through GOOGLE MEET online platform.

The BoS (Electrical Engineering) Meeting was held on 16th Jan 2021 at 3.00 pm through GOOGLE MEET online platform. The Meeting was attended by:

 Prof.(Dr.)S.M.Badave, Head Electrical Engg Dept. MIT, Aurangabad 	Chairman
2. Following heads of the Electrical and Instrumentations Department of	Invitee
colleges affiliated to BATU	

At the onset, the Chairman welcomed all the BoS members to the meeting and placed the agenda for deliberation of the members.

Agenda:

- To finalize the online courses available on SWAYAM/NPTEL or any other MOOC platform, that can be mapped upto 75% with even semester courses of B. Tech program, from the year 2020-21.
- 2. To amend the contents of "Advanced Digital Signal Processing", M. Tech(EDC)

After the discussion, it was unanimously decided

- the courses are relevant upto 75% to the even semester courses of sem IV and sem VI of B.Tech program.
- 2. the contents of "Advanced Digital Signal Processing", M. Tech(EDC)

Hon. Dean is requested to present these courses in Academic Council for final approval.

Thanks and Regards.

Encl:

1. Syllabus of "Advanced Digital Signal Processing", M.Tech(EDC)

2. List of online courses of even semester courses of sem IV and sem VI of B. Tech program.

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Chairman Board of Studies- Electrical Engineering.

REGISTRAR

Dr. Babasaheb Ambedhar Jechnological University

LONERE 402 503

Tal Mangaon, Dist. Raigad, (Maharannus)

Minutes of meeting of BoS (Electrical Engineering) held on 14 Oct, 2021 at 3.00pm through GOOGLE MEET online platform.

The BoS (Electrical Engineering) Meeting was held on 14 Oct, 2021 at 3.00 pm through GOOGLE MEET online platform. The Meeting was attended by:

Prof.(Dr.)S.M.Badave, Head Electrical Engg Dept. MIT, Aurangabad	Chairman
2. Prof.(Dr.)N.J.Patil, Principal, D.N.Patel CoE, Shahda	Member

The following member was absent for the meeting

1.	Dr. M.A.Chaudhari, Head Electrical Engg Dept. VNIT, Nagpur	Member
2.	Prof. H.Satarkar, Head Electrical Engg Dept., DBATU, Lonere.	Member
3.	Prof. B.Venkatesha Perumal, Head Electrical Engg Dept. NIT, Suratkal	Member

At the onset, the Chairman welcomed all the BoS members to the meeting and placed the agenda for deliberation of the members.

Agenda: Syllabus contents of Engineering Mathematics-III

Chairman has put forth the syllabus of Electrical and allied subjects

And the syllabus common for all branches.

All members have unanimously decided to follow the syllabus common to all branches

The copy of Engineering Mathematics-III is attached for your reference.

Hon. Dean is requested to present the syllabus in Academic Council for final approval.

Thanks and Regards.

Chairman Board of Studies- Electrical Engineering.

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Minutes of meeting of BoS (Electrical Engineering) held on 16th Jan, 2021 at 3.00pm through GOOGLE MEET online platform.

The BoS (Electrical Engineering) Meeting was held on 16th Jan 2021 at 3.00 pm through GOOGLE MEET online platform. The Meeting was attended by:

1. Prof.(Dr.)S.M.Badave, Head Electrical Engg Dept. MIT, Aurangabad	Chairman
2. Head of the Electrical and Instrumentations Department of colleges	Invitee
affiliated to BATU	

At the onset, the Chairman welcomed all the BoS members to the meeting and placed the agenda for deliberation of the members.

Agenda:

- To finalize the online courses available on SWAYAM/NPTEL or any other MOOC platform, that can be mapped upto 75% with even semester courses of B.Tech program, from the year 2020-21.
- To amend the contents of "Advanced Digital Signal Processing", M.Tech(EDC)

After the discussion, it was unanimously decided

- 1. the courses are relevant upto 75% to the even semester courses of sem IV and sem VI of B.Tech program.
- the contents of "Advanced Digital Signal Processing", M.Tech(EDC)

Hon. Dean is requested to present these courses in Academic Council for final approval.

Thanks and Regards.

Encl:

- Syllabus of "Advanced Digital Signal Processing", M.Tech(EDC)
- 2. List of online courses of even semester courses of sem IV and sem VI of B. Tech program.

Board of Studies- Electrical Engineering.

Or. Babasaheb Ambedkar Technological University LONERE 402 103,

Tal Mangaon, Dist. Raigad, (Maharashtra)

Minutes of meeting of BoS (Electrical Engineering) held on 14 Oct, 2021 at 3.00pm through GOOGLE MEET online platform.

The BoS (Electrical Engineering) Meeting was held on 14 Oct, 2021 at 3.00 pm through GOOGLE MEET online platform. The Meeting was attended by:

L. Prof.(Dr.)S.M.Badave, Head Electrical Engg Dept. MIT, Aurangabad	Chairman
2. Prof.(Dr.)N.I.Patil, Principal, D.N.Patel CoE, Shahda	Member

The following member was absent for the meeting

1.	Dr. M.A.Chaudhari, Head Electrical Engg Dept. VNIT, Nagpur	Member
	Prof. H.Satarkar, Head Electrical Engg Dept., DBATU, Lonere.	Member
	Prof. B.Venkatesha Perumal, Head Electrical Engg Dept. NFF, Suratkal	Member

At the onset, the Chairman welcomed all the BoS members to the meeting and placed the agenda for deliberation of the members.

Agenda: Syllabus contents of Engineering Mathematics-III

Chairman has put forth the syllabus of Electrical and allied subjects

And the syllabus common for all branches.

All members have unanimously decided to follow the syllabus common to all branches

The copy of Engineering Mathematics-III is attached for your reference.

Hon. Dean is requested to present the syllabus in Academic Council for final approval.

Thanks and Regards.

Chairman Board of Studies- Electrical Engineering.

Dr. Badasaheb Ambedkar Technological University

Tal, Mangaon, Dist. Raigad, (Maharashtra)

10

Minutes of meeting of BoS (Electrical Engineering) held on August 11, 2020 at 3.00pm through GOOGLE MEET online platform.

The BoS (Electrical Engineering) Meeting was held on July 20, 2021 at 3.00 pm through GOOGLE MEET online platform. The Meeting was attended by:

 Prof.(Dr.)S.M.Badave, Head Electrical Engg Dept. MIT, Aurangabad 	Chairman
2. Prof.(Dr.)N.J.Patil, Principal, D.N.Patel CoE, Shahda	Member
3. Prof. B.Venkatesha Perumal, Head Electrical Engg Dept. NIT, Suratkal	Member

The following member was absent for the meeting

1.	Dr. M.A.Chaudhari, Head Electrical Engg Dept. VNIT, Nagpur	Member
	Prof. H.Satarkar, Head Electrical Engg Dept., DBATU, Lonere.	Member

At the onset, the Chairman welcomed all the BoS members to the meeting and placed the agenda for deliberation of the members.

Agenda:

- To finalize the teaching scheme and syllabus for sem-III to sem-VII for following programs under DBATU
 - Electrical Engineering / Electrical and Electronics Engineering / Electrical, Electronics and Power Engineering
 - b. Electrical and Instrumentation Engineering
 - c. Instrumentation Engineering
- 2. To finalize one NPTEL online course for allotted respective courses of each semester

The Chair presented the teaching scheme and syllabus for sem-III to sem-VII Electrical and allied branches under DBATU to all members for discussion.

After the discussion and corrections, it was unanimously decided to accept the

- Second Year syllabus for academic year 2021-22
- 2. Third Year syllabus for academic year 2022-23
- Final Year syllabus for academic year 2023-24.

The copy of syllabus is attached for your reference.

Hon. Dean is requested to present the syllabus in Academic Council for final approval.

Thanks and Regards.

REGISTRAR

Lone Babasaheb Ambeddar Technological University

Lone 402 103

Tal Mangaon, Dist. Raigad. (Maharashtra)

Chairman Board of Studies- Electrical Engineering.

Minutes of meeting of BoS (Electrical Engineering) held on 18th July, 2022 at 3.00pm through GOOGLE MEET on online platform.

The BoS (Electrical Engineering) Meeting was held on 18th July. 2022 at 3.00 pm through GOOGLE MEET on online platform. The Meeting was attended by:

 Prof.(Dr.)S.M.Badave, Head Electrical Engg Dept. MIT, Aurangabad 	Chairman
2. Prof. B.Venkatesha Perumal, Head Electrical Engg Dept. NIT, Suratkal	Member

The following member were absent for the meeting

Prof.(Dr.)N.J.Patil, Principal, D.N.Patel CoE, Shahda

(He has earlier intimated that he was on LIC visit)

Prof. H.Satarkar, Head Electrical Engg Dept., DBATU, Lonere.

Dr. M.A.Chaudhari, Head Electrical Engg Dept. VNIT, Nagpur

With reference to the letter received from 'Affiliation Section', dated 11 June 2022, regarding suggestions on the syllabus of S.Y.B.Tech (Electrical) and T.Y.B.Tech (Electrical), following points were discussed in the meeting and resolved the queries accordingly.

S.Y. Electrical

Query 1. BTEEC302 Electrical Machines-I

Unit 6 Special purpose machines part should include in Electrical machines-11. Please remove from Electrical Machines-1 Because as per my knowledge, special purpose machines part included after Induction and Synchronous machines

Special Machines are quite relevant in this course and in line with rest of the contents. Contents of this unit are not repeated in any other course.

Query 2. BTEEC403 Electrical Machines-11

In each chapter of Electrical Machines-II there is numerical on number of points but in syllabus there is no mention of numerical on any points. So please clearly mention on which point the numerical has to be taken.

In the course like Electrical Machines, numerical are implied in the bit mentioned in the syllabus. There is no need to mention it explicitly. Still if there is any confusion, query can be solved in person.

T.Y.Electrical

Query 3. BTEEC602 Principles of Electrical Machine Design

Name of the subject related to Design but only 1 or 2 chapters are related to design. As per our concern please include design related chapters like Induction motor design and synchronous machines design

Dr. Babas theb Amberlia Technological University

LONERE 402 103. Tal Mangaon, Dist. Raigad, (Maharashtra)



harshada jadhav <harshadajadhav32@gmail.com>

Fwd: Meeting of the BoS

1 message

Nikita Malore <nik.malore007@gmail.com> To: harshadajadhav32@gmail.com

Tue, Mar 15, 2022 at 12:26 PM

Forwarded message -

From: YS Mahajan <ysmahajan@dbalu.ac.in>

Date: Mon. Mar 14, 2022, 4:34 PM Subject: Fwd: Meeting of the BoS

To: Nikita Malore <nik.malore007@gmail.com>, AR Chavan <archavan@dbatu.ac.in>, YS Mahajan <ysmahajan@dbatu.ac.in>

- Forwarded message -

From: PV VijayBabu <pvvijaybabu@dbatu.ac.in>

Date: Sat, Jan 28, 2017 at 11:43 PM Subject: Re: Meeting of the BoS

To: vrpatwardhan <vrpatwardhan@hotmail.com>, VS Sathe <vssathe@dbatu.ac.in>, VP Jawanjal <vpjawanjal@dbatu.ac.in>, YS Mahajan <ysmahajan@dbatu.ac.in>, AR Chavan <archavan@dbatu.ac.in>, <Rajendra.Narkhede@gexcon.com>, SB Bodekar <sbbodekar@dbatu.ac.in>, sonali chaudhari@dbatu.ac.in>

Dear Members/Invitees.

Please find herewith attachments of 2nd, 3rd and final year 8. Tech proposed syllabi to be discussed and finalised during the meeting of BoS to be held on 30th January 2017. Members who are unable to attend the meeting may send their comments/suggestions by email.

With regards,

Dr.P.V.Vijay Babu DBATU, Lonere

On Fri, Jan 13, 2017 at 4:13 PM, PV VijayBabu <pvvijaybabu@dbalu.ac.in> wrote: Dear Members and Invitees.

Meeting of the Board of Studies (BoS) in Chemical and Petrochemical Engineering will be held on 30th January 2017 at 11.30 AM in Analytical Lab of Chemical Engineering Department. You are hereby requested to make it convenient to attend the meeting. The syllabi of 8, Tech Chemical and Petrochemical Engineering will be discussed and final proposal will be decided, during the meeting. M.Tech Chemical Engineering syllabus will also be reviewed during meeting.

https://mail.google.com/mail/s/077k=065dde261c&view=pl&search=al&perm/byd=live.ad_43A1727347950870842209&simpl=msg-fls;3A1727347950870842209

Dr.P.V.Vijay Babu Head, Chemical Engineering

Dr. Yogesh S. Mahajan Dept. of Chemical Engineering. Dr. B. A. Technological University, Lonere Tal. Mangeon, Dist. Raigad, Maharashtra - 402 103 (Mobile - 09421939941 / 9923188748)

4 attachments

- B.Tech Chemical Engineering New Syllabus 2016-17 (2nd year).docx 40K
- B.Tech Chemical Engineering New Syllabus 2016-17 (3rd year).docx 57K
- B.Tech Chemical Engineering New Syllabus 2016-17 (Final year).docx 41K
- M.Tech (Chemical) Course Structure-revised 2016 (for EC),doc 154K

Minutes of the meeting of Board of Studies (BoS) in Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology

A meeting of the BoS in the Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology was held as detailed below:

- Day and Date: Tuesday, 25th September, 2018
- Venue and Timing: Analytical Laboratory, 11.00 am
- Agenda:
 - The subject codes and
 - list of paper setter, evaluator and moderator for Winter 2018 examination.
 - o Any other point with the permission of the chair

The following points were discussed:

- The subject codes:

 Most of the subject codes are the same as assigned previously, except for a few changes as per the directives from the Examination Section. The same was changed and as such the coding is listed as appendix for reference.
- List of paper setter, evaluator and moderator for Winter 2018 examination.:
 The list of paper setter, evaluator and moderator for Winter 2018 examination was prepared and the same is attached here for reference as appendix.
- Certain points were raised by Dr. S. Guhe of JNEC, Aurangabad and these were discussed at length in the meeting as follows:
 - a. By mistake, the course code BTCHL308 was assigned to two labs of different Courses namely "Fluid Flow Operation Lab" and "Mechanical Operations Lab". Each lab has 1 Credit and both courses are important for Chemical Engineering discipline.

BTCHL308	Fluid Flow Operations Lab
BICHESON	Fluid Flow Operations 240
BTCHL308	Mechanical Operations Lab
BTCHL309	Field Training / Internship/Industrial Training Evaluations

This mistake is rectified by assigning two different codes to these labs as follows (the changed codes are as follows):

BTCHL308	Fluid Flow Operations Lab
BTCHL309	Mechanical Operations Lab
BTCHL310	Field Training / Internship/Industrial Training Evaluations

Everything else remains the same,

 Mini Project -II in Semester IV. Is it continuation of Mini Project-I or totally independent activity/head:

The committee resolved the same as follows: The mini project II can be continuation of the Mini Project I. But this is not necessary, it can be independent as well.

 End Semester Exam for both Mini Project I & II worth 40 Marks. Is it viva conducted by External Examiner or is it by Internal Assessment.

The committee resolved the same as follows: The viva can be conducted as per the rules meaning that appropriate examiner may be called for the

purpose.

How CA worth 60 Marks will be conducted.

The committee resolved the same as follows: CA for mini project is through the progress of the students throughout the duration i. e., the semester and the assessment can be done through proper records.

 Could we have previous exam Question Papers on DrBATU web page: The University examination for IIIrd semester is conducted for the first time for the new syllabus and hence previous question papers are not available.

Appendix I List of Examiners, M. Tech. in Chemical Engineering

Sr.	Subject Code	Name of subject	Name of Examiners
No. 1	MTCH101	Advanced Momentum Transfer	 Prof. U. S. Patil, PVPIT, Dr. Mahajan Yogesh S.
2	MTCH102	Elective I (Advanced Heat Transfer)	 Prof. Ravindra Uppin Prof. A. D. Patil, PVPIT,
3	MTCH103	Advanced Reaction Engineering	 Prof. (Mrs) S. S. Metkar Prof. V. S. Pore, PVPIT,
4	MTCH104	Thermodynamics of Phase Equilibria	 Prof. Ravindra Uppin Prof. S., Y. Pawar, PVPIT,
5	MTCH105	Process Intensification: Bioprocess Engineering:	Elective II 1) Prof P. B. Dhanke, PVPIT, 1)Prof. A. R. Chavan
6	MTCH106	Communication Skills	 Prof. A. P. Shesh Prof. Sarjerao Narwade, PVPIT,
7	MTCH107	Computational Lab I	1) Dr. V. S. Sathe

Appendix II List of Examiners, B. Tech. in Chemical / Petrochemical Engineering

Sr. No.	Subject Code	Name of Subject	Chairman	Papersetter/Evaluator					
1	BTCHC301	Engineering Mathematics III	Dr. B. B. Singh	1)Dr. G. C. Lomate 2, Dr. B. B. Singh					
2	BTCHC302	Chemical Process Calculations	Prof. V. P. Jawanjal	1)Prof. P. V. Vijay Babu 2)Prof. N. V. Ghasghase 3)Prof. M. V. Pople					
3	BTCHC303 Fluid Flow Operations BTCHC304 Mechanical Operations		Prof. A. R. Chavan	1)Prof. P. V. Vijay Bab 2) Prof. U. S. Patil 3) Prof. V. A. Gite					
4			Dr. V. S. Sathe	1)Prof. S. S. Metkar 2)Prof. S. U. Dhongade 3)Dr. S. L. Bhagat 4)Prof. M. R. Gaonkar					
5	BTBSC305 Advanced Engineering Chemistry		Prof. H. A. Mujawar	1)Dr. P.B. Lokhande 2)Dr. Dipti Patil 3)Dr. L. D. Chavan					
6	BTOE306 Elective I								
	BTCHE306 A Green Technology		Prof P. V. VijayBabu	1)Dr. S. L. Bhagat					
	BTCHE306 B	Renewable Energy Sources	Prof P. V. VijayBabu	1)Prof. S. D. Yadav 2)Prof. A. D. Patil 3) Prafulli Mahakal					
	BTCHE306 C	Nanotechnology	; Not o	ffered presently.					
	BTCHE306 D	Materials for Engineering + Applications	Prof P. V. VijayBabu	1)Prof Siddhesh Palande					

Appendix III List of Subjects with Codes

Sem. III

	BTBSC301	Engineering Mathematics -III
2	BTCHC302	Chemical Process Calculations
3	BTCHC303	Fluid Flow Operations
4	BTCHC304	Mechanical Operations
5	BTBSC305	Advanced Engineering Chemistry
6	BTOE306 Elect	ive I
	BTCHE306A	Green Technology
	ВТСНЕ306В	Renewable Energy Sources
	BTCHE306C	Nanotechnology
	BTCHE306D	Materials for Engineering Applications
7	BTCHM 307	Mini Project I
8	BTCHL 308	Fluid Flow Operations Lab
9	BTCHL 309	Mechanical Operations Lab
10	BTCHF 310	Field Training / Internship/Industrial Training Evaluations

There is one slight change in the evaluation scheme i. e., in the End Sem Examination (ESE) of

BTCHF310	Field Training / Internship/Industrial Training Evaluations

the previously mentioned marks are 100 and total credits are 1. The same need to be changed to ESE 50 marks and credits remain 1.

Sem IV

BTCHC401	Numerical Methods in Chemical Engineering
BTCHC402	Chemical Engineering Thermodynamics I
BTCHC403	Heat Transfer Operations
BTHM3401	Basic Human Rights
BTID405	Product Design Engineering
BTCHC406	Strength of Materials
ВТСНМ407	Mini Project II
BTCHL408	Heat Transfer Operations Lab
BTCHL409	Programming Languages Lab
BTCHL410	Advanced Engineering Chemistry Lab
BTCHF411	Field Training & Internship/Industrial Training (minimum 4 weeks which can be completed partially in first semester and second Semester or in at one time.)
	BTCHC402 BTCHC403 BTHM3401 BTID405 BTCHC406 BTCHM407 BTCHL408 BTCHL409 BTCHL410

There is one slight change in the evaluation scheme i. e., in the End Sem. Examination (ESE) of

BTCHF411	Field Training / Internship/Industrial Training Evaluations

the previously mentioned marks are 100 and total credits are 1. The same need to be changed to ESE 50 marks and credits remain 1.

Dr. Babasaheb Ambedkar Technological Unievsrity, Lonere Proposed Teaching and Examination Scheme for M. Tech. Chem. Engg. (July 2017 onwards)

	Subject Code and Name		Sche	nie				aminacio	n Scheme	T
ve.		L	P	T	Credits	Th	cory	1	PROR	13
Sr. No.						Theory	Ĭā.	5		TOTAL
_			First	Sėm	ester		/ *		40	100
		-	_	11	1.4	T 60	20	20	141	10
1	MCH 101, Advanced Momentum Transfer	3	ં	*		60	20	20	7.	10
2	MCH 102, Elective - I	3		15	3	25/3/17		20		100
3	MCH 103, Advanced Reaction	3	-	1	4	60	20	-87/2		100
4	Engineering MCH 104, Thermodynamics of	3		1	4	60	20	20	(#1)	100
5	Phase Equilibria MCH 105, Elective - II	3	÷	:	3	60	20	20	900	100
ä	MCH 106, Communication Skills	2	-	÷	2	95		25	25	50
6	MCH 107, Computational Lab - I	-	3		2	14		25	25	50
7	STORY SECRETARIAN	17	3	3	22	300	100	150	58	600
	Total for Semester 1		1550	d Sen	nester	-			W.	
		- 0	CCUB	_	-	60	20	20	100	100
1	MCH 201, Advanced Mass Transfer Operations	3		1	4	3000	20	20		100
2	MCH 202, Advanced Separation	3			3	60	2,70%	889		100
3	Techniques MCH 203, Elective - III	3			3	60	20	20		38
4	MCH 204, Elective - IV	3		*	3	60	20	20	*	100
5	MCH 205, Seminar	-	4	•8	2		(T.2)	50	50	100
6	MCH 206, Open Elective**	3			3	60	20	20		100
	MCH 207, Mini Project /		4	-	2		•	50	50	100
7	Computational Lab II			:	20	300	120	220	100	700
	Total for Semester 2	18	6	1	20		201			

		'1	liird	Sem	ester					
1	MCH 301, Project Management and Intellectual Property Rights	•	•	•	2	•	•	50	50	100
2	MCH 302, Project Work (Stage -1)			•	10	•		50	50	100
3	Total for Semester 3	•		•	12			100	100	200

		F	ourtl	Sem	ester					
1	MCH 401, Project Work (Stage -II)	•			20	•	•	100	100	200
2	Total for Semester 4	*	•	*	20	300	:8	100	100	200

GRADUATE ATTRIBUTES

The Graduate Attributes are the knowledge, skills and attitudes which the students have at the time of graduation. These attributes are generic and are common to all engineering programs. These Graduate Attributes are identified by National Board of Accreditation.

- Scholarship of Knowledge: Acquire in-depth knowledge of specific discipline or professional area, including wider and global perspective, with an ability to discriminate, evaluate, analyze and synthesize existing and new knowledge, and integration of the same for enhancement of knowledge.
- Critical Thinking: Analyze complex engineering problems critically, apply independent judgment for synthesizing information to make intellectual and/or creative advances for conducting research in a wider theoretical, practical and policy context.
- Problem Solving: Think laterally and originally, conceptualize and solve engineering problems, evaluate
 a wide range of potential solutions for those problems and arrive at feasible, optimal solutions after
 considering public health and safety, cultural, societal and environmental factors in the core areas of
 expertise.
- 4. Research Skill: Extract information pertinent to unfamiliar problems through literature survey and experiments, apply appropriate research methodologies, techniques and tools, design, conduct experiments, analyze and interpret data, demonstrate higher order skill and view things in a broader perspective, contribute individually/in group(s) to the development of scientific/technological knowledge in one or more domains of engineering.
- Usage of modern tools: Create, select, learn and apply appropriate techniques, resources, and modern
 engineering and IT tools, including prediction and modeling, to complex engineering activities with an
 understanding of the limitations.
- 6. Collaborative and Multidisciplinary work: Possess knowledge and understanding of group dynamics, recognize opportunities and contribute positively to collaborative-multidisciplinary scientific research, demonstrate a capacity for self-management and teamwork, decision-making based on open-mindedness, objectivity and rational analysis in order to achieve common goals and further the learning of themselves as well as others.
- 7. Project Management and Finance: Demonstrate knowledge and understanding of engineering and management principles and apply the same to one's own work, as a member and leader in a team, manage projects efficiently in respective disciplines and multidisciplinary environments after consideration of economical and financial factors.

2

Communication: Communicate with the engineering community, and with society at large, regarding
complex engineering activities confidently and effectively, such as, being able to comprehend and write
effective reports and design documentation by adhering to appropriate standards, make effective
presentations, and give and receive clear instructions.

 Life-long Learning: Recognize the need for, and have the preparation and ability to engage in life-long learning independently, with a high level of enthusiasm and commitment to improve knowledge and

competence continuously.

10. Ethical Practices and Social Responsibility: Acquire professional and intellectual integrity, professional code of conduct, ethics of research and scholarship, consideration of the impact of research outcomes on professional practices and an understanding of responsibility to contribute to the community for sustainable development of society.

 Independent and Reflective Learning: Observe and examine critically the outcomes of one's actions and make corrective measures subsequently, and learn from mistakes without depending on external

feedback.

PROGRAM EDUCATIONAL OBJECTIVES

PEOI	Pursue successful industrial, academic and research careers in specialized fields of Chemical Engineering.
PE02	Apply the knowledge of advanced topics in Chemical Engineering to meet contemporary needs of industry and research.
PEO3	Use modern software tools for design of processes and equipment.
PE04	Identify issues related to ethics, society, safety, energy and environment in the context of
PEOS	Pursue self-learning to remain abreast with latest developments for continuous professional growth.

PROGRAM OUTCOMES: At the end of the program, the student will be able to:

POI	Model chemical engineering processes including multi-component mass transfer, multi-phase momentum transfer and multi-mode heat transfer from advanced engineering perspective.
PO2	Apply modern experimental, computational and simulation tools to address the
PO3	Implement techniques for minimizing cost and energy requirements in chemical plants.
PO4	Design measures to take care of environment, health and safety issues pertaining to chemical industries.
PO5	Communicate effectively and demonstrate leadership skills
PO6	Carry out research work independently and innovate novel processes and products
PO7	Practice professional ethics
PO8	Pursue life-long learning as a means of updating knowledge and skills

Minutes of the meeting of Board of Studies

A meeting of the board of studies for department of Chemical and Pertrochemical Engineering was arranged on 14-1-2019. The following members were present.

- 1) Prof. Sudhir Yadav, JNEC, Aurangabad
- 2) Dr. Y. S. Mahajan
- 3) Dr. A. R. Chavan
- 4) Dr. (Mrs) Sonali Mhatre

The following points were discussed in the meetring.

- The first year and second year syllabus structure for Chemical Engineering and Petrochemical Engineering which was already approved was discussed and the corrections were incorporated.
- 2) The third year and fourth year syllabus for both the departments was discussed in detail and the course structure was prepared keeping in mind by the comments received from all the sources. The course was prepared according to the prescribed rules and regulations.
- The discussion was done on various electives to be offered, about the final year project and the newly introduced six month industry project for eighth semester students which is kept as optional for them.

The meeting ended with thanks to Chair.



Minutes of the meeting of Board of Studies (BoS) in Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology

An online meeting (on platform Zoom) of the BoS in the Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology was held as detailed below:

- Day and Date: Tuesday, 26th July, 2020
- Agenda;
 - Finalization about proposed syllabus and course structure for new students admitted to Chemical/Petrochemical starting from year 2020-21
 - Finalization of Major and Minor courses
 - 3) Any other relevant point

The following teachers attended the meeting

Faculty from Dr. BATU, Lonere

- 1) Prof. P. V. VijayBabu
- 2) Prof. V. P. Jawanjal
- 3) Prof. A. R. Chavan
- 4) Prof. (Mrs) S. S. Metkar
- Prof.(Mrs) Sonali Mhatre

Prof. Y. S. Mahajan had network problems to attend meeting but he provided valuable suggestions in offline mode.

Faculty from Affiliated Colleges:

- 1) Prof. Unmesh Patil
- 2) Prof. Sadanand Guhe
- 3) Prof. S. Khot

Leave of absence was granted to all those who could not attend the meeting. Dr. A. R. Chavan, Head, Chemical Engineering welcomed all other faculty members and briefed about the agenda of the meeting.

The following points were discussed:

 The first agenda point was about finalization of new syllabus and course structure proposed for students taking admission to first year BTech(Chemical) in year 20-21 for all four years. All the members showed satisfaction about most of the things. The discussion was mainly about Major and Minor courses in the Syllabus.

2. Prof Chavan showed the proposed major and minor courses for Chemical Engineering. About minor courses, Prof. VijayBabu suggested Heat Transfer should be in fifth semester instead of seventh semester. The members agreed over this. The correction is done as shown in attached file. Prof. Chavan Showed corrections over the major and minor courses not included in previous BoS meeting. This was done for

odd-even balances for the students. The members agreed over the inclusion of new subjects as shown in attached file. Now the documents can go to AC approval(if needed) in its present form.

 Prof(Mrs) S. S. Metkar presented the syllabus and course structure for Petrochemical Engineering and as there was no significant changes over the previous BoS meeting(19/6/2020), the members suggested that now the syllabus and course structure should be sent to AC approval(if needed) in its present form.

4. Prof Sadanand Guhe and Prof. Unmesh Patil suggested some corrections in the syllabus. Prof. Guhe expressed that syllabus of Process flowsheeting laboratory in upcoming final year syllabus needs minor changes in terms of software requirement. Prof Chavan opined that already final year syllabus has been uploaded after approval from previous BoS meeting. So if possible only, the changes can be done by requesting to Dean academic. The required change is shown in attached file. Prof Patil suggested that for the new syllabus, seminar and miniproject should be of 2 hours instead of 4 hours. Prof Chavan opined that the guidelines had already came for this and if possible in future, the corrections can be done.

The meeting ended with thanks to Chair.

CDr. MR. choseca)
Head Cy

Dr. BabasahebAmbedkar Technological University



(Established by Government of Maharashtra and Governed by Dr. Babasaheb Ambedkar Technological University Act No. XXIX of 2014 www.dbatu.ac.in

<u>×:</u>

Minutes of the meeting of Board of Studies (BoS) in Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology

An online meeting(on platform Zoom) of the BoS in the Chemical Engineering, Petrochemical Engineering, Biochemical Engineering and Biotechnology was held as detailed below:

- Day and Date: Thursday, 18th January, 2022 Time: 6.30 pm
- Agenda:
 - 1) Online courses for fourth, sixth and eighth semester of BTech(Chemical/Petrochemical) Engineering
 - 2) Planning for syllabus modification/revision(if any) for AY 2022-23
 - 3) Any other point with the permission of Chair

The following teachers attended the meeting

Faculty from Dr. BATU, Lonere

- 1) Prof. P. V. VijayBabu
- 2) Prof. V. P. Jawanjal
- 3) Prof. A. R. Chavan
- 4) Prof. (Mrs) S. S. Metkar

Faculty from Affiliated Colleges:

- 1) Prof. Unmesh Patil(PVPIT, Sangli)
- 2) Prof. S. L. Bhagat(PVPIT, Sangli)

Prof. V. S. Sathe and Prof. Y. S. Mahajan of Dept of Chemical Engg, Dr. BATU, Lonere could not attend the meeting.

Prof. A. R. Chavan, HoD, Chemical Engineering of Dr. Babasaheb Ambedkar Technological University, Lonere welcomed all other faculty members and briefed about the agenda of the meeting.

The following points were discussed:

 The first agenda point was about finalization of online courses for even semester of BTech(Chemical/Petrochemical) Engg for fourth, sixth and eighth semester of AY 2021-22. The courses suggested for this are NPTEL courses mentioned in the course structure and syllabus of both departments. Dr. A. R. Chavan presented online courses for Chemical Engineering department. One course for fourth semester, one course for sixth semester and few courses were suggested for eight semester as per the curriculum. The

- students and the respective departments have been given flexibility of choice of courses for eighth semester. All the members showed satisfaction about most of the things. Prof(Mrs) Sangeeta Metkar similarly presented online courses for BTech(Petrochemical Engg). The members showed satisfaction over this. The details of the online courses are shown in the attached files separately.
- 2. Prof Chavan opined that the for AY 2022-23, the syllabus modification/revision can be done, if needed, especially for third year BTech(Chemical/Petrochemical) Engineering. For this, the faculty members should find if any modifications are needed and present before next BoS meeting(if possible) before commencement of next academic year. He also opined that the present overall syllabus needs changes e.g. better CO/PO mapping and etc. and it should be done in next few months as a teamwork of all faculty members. All other members agree over this.

The meeting ended with thanks to Chair.

Dr. A. R. Chavan Head, Dept of Chemical Engg

21/07/17 Bo3 Meeting Session afor officiated colleges was organized to address quenties in B. Tech. Syllabor most quents were related to exam pattern. Few quenties related to long. And I Born Civil Eng. syllabor were resolved.

Civil Eng. syllabor were resolved.

It is devided to review centerts of any. mech especially to closify nature of Dr. S. R. Bleget Dr. A. R. Kombelen Or S.M. Pore

17/01/2019 1 10-15 am Board of Studies meeting Chairmon welcomed member & presented age-do Following Trum have distanced O POE contests were documed and organ headle was observed tube fresh usen PG completed faculty recruited without industry exposur. of As of solution it is necessary for treathy the get involved into industry for is days in year as minimum. Faculty shall identify the source for training one on year and maintanted on FOET connectory.

(B) Dr. J.R. Bhay & Admonstrad on FOET connectory.

(C) Contacts of mas, son, son is not revised.

(C) Evolution of 2nd. Train in 10th yr B.

Tecimoraled in 19th sim. to come DA stult who can vinding training at after 3nd sen.

(C) Product Design PPT offices made available by TMH should with Dr. Dinit de NDorthya TMM should with Dr. Dirit & Uporthyo for forther circulation; 8 1th & 2 d you Contains reviewed & for Confirmed on Friel after necession change (3) Overall Streeter up to att several also discussed in light of francisch of theory prochie, semin, and freign project as ofer advised by FOET. @ Endlichen schene revised & included in syllobin. Dr. DixiLMis. Poof Upadhye
MIT, A'Bed MIT, A'Bed Dr. Kanbeka Dr. Bhant Di Pore SPCR, Mun. DRATU

19th July 2019 B.O.S. Meeting Meeting was specially conveyed to seview contents of Design of Steel Structures. Feed back by 8.03. Members & Invited members were shorted. Floborof. alisanes ion took place. Tesus man resolved with minor modifications, feedback from 27.7 Prof. place on The Contents of "Issence of Traditional Indian Knowledge were draffed in this meeting. Special inviter members here made aware that officiated institutes can take up tack of delailing of electives & even add new electives. Dr. Potki & Dr. Songue agreed to pravide revised signeree of contents in son. II & sm I for implimentation from next year Dr. Patki suggested minor revision in Env. Eng. which was accepted by members.
Freedback by Dr. Prokash. Et. I.P.R.J. Sh. Rangude, SE. Designs and few officiated institutions was shared & discussed. Meeting concalded with rote of thanks. O Dr. J. M. Pore, DBATU, (@ Dr. SA Bhazat B.D. A.R. Kambeker 3 (1) Dr.v.k. patkl NKOLET au -MITA HOME STAND P.A. Singou 1 Dec Mis Consider

7) 5.T Patil K) Atika A Ingule 1) V. R. Vyndhye MIT, Aurogabile My

19th July 2019 B.O.S. Meeting 11.30 to 5.00 for Meeting was specially conveyed to seview contents of Berign of steel structures. Feed back by 8.08. Members & invited members were shorted. Flabourt miror modifications, feedback from 17.7 Prof Sand with Contents of Issues of Traditional Indian Knowledge wase draffed in This meeting. Special invites members here made aware that offiliated institutes can take up tack of defailing of electives & even add new electives. Dr. Potki & Dr. Songue agreed to previde seviced sequence of contents in Sim. II & Sm I for Implimentation from next year Dr. Patki suggested minor revision in Enr. Eng. which was accepted by members. Feedbeck by Dr. Prokabh. Et. I. P. R. J. Sh. Rangude, SE, Design and few offiliated institutions evan started & discussion Meeting concalded with rate of thanks. D Dr. J. M. Pere, OBATU, OF @ Br. SA. Bhoyat BA. AR Kambekor 3 Derv. K. parki NKOCET BY-@ P.A. Songau NEOCET SIPM MITA HOM Strue
JDIJEM, Hymr S 1 Dec Mrs. Stink 7) S.T Patil

MIT, Allrayahad Poff

8) Atika A Ingole

5) V. R - Upndhye

Dr. Babasaheb Ambedkar Technological University

Department of Civil Engineering

Minutes of the Meeting (Board of Studies)

Date: 07.08.2021

A meeting of Board of Studies was called on Saturday August 07, 2021 at 11.00 am in online mode with the following agenda:

- 1 Additional subjects for Major Courses for Structural Engineering
- 2 Additional subjects for Major Courses for Environmental Engineering

following members of the BoS have attended the meeting

- Dr. S. R. Bhagat, Chairman BoS
- 3. Dr. J. B. Dafedar, Member
- 2. Dr. A. R. Kambekar, Member
- 4. Dr. S. M. Pore, Member

Chairman presented the list of additional courses to be included and is being offered by NPTEL/SWAYAM for the Honors' degree Major Courses for Structural Engineering, and for Environmental Engineering. The members approved the list of additional courses presented before them. It was suggested to include the following courses: Ground Improvement, and Finite Element Method and Computational Structural Dynamics. All members agreed with the suggestion for inclusion of two more courses.

A letter from the affiliated institute and forwarded by the affiliation section of the University has been received to draft the syllabus of M. Tech. in Water Resources Engineering. The approved syllabus of M. Tech. in Water Resources Engineering will be circulated to the concerned institute.

The meeting ended with thanks to all the members by the chair.

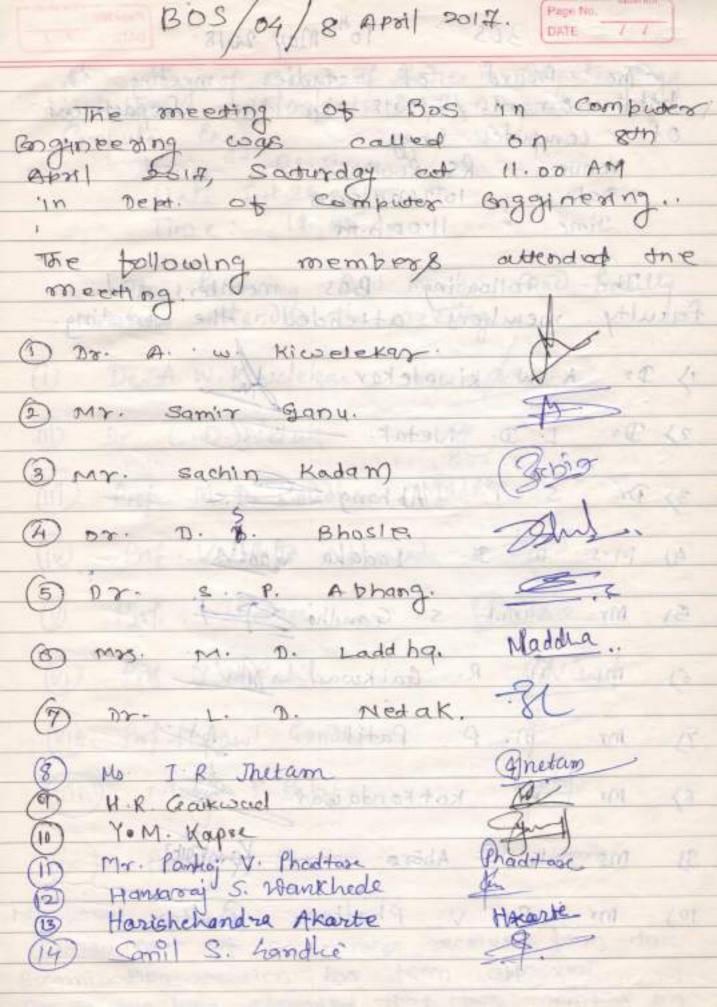
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Dr. Babasaheb Ambeul er Trichnological University

Tal Mangaon, Dist Raigad, (Maharashtra)

Department of Civil Engineering
Dr.Babasaheb Ambedkar Technological University
LONERE 402103 (M.S)

Bos neeting 550	Page No. Valabali -
	DATE 07/1/17
The Board of Studies meets held on 7/1/17 in the d	ong is
held on 7/1/17 In the d	A. 15
Computer Engg.	1
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	LONG
Time - 10.30 am	halad Jane
The following Bos member as	ad dept
The following bos member as faculty aftended the me	eting.
1. Dr A W. Kiwelekar	de
2. Samir Gann	8
	(Brobis
4. M.D. Laddha 5. H.A. Akarte	Maddie
S. H.A. Akarte S. L. D. Nefak	V ~ A
7. H.S. Wankhede	Jena
8. R.K. Ketkondanlar	T 1 5 .
9 y.M. Kapse	8me
10. H.R. Garkovad	92
11. Sanil S. Gandhi	P



A meeting of Board of Sludies in Computer changes is held and 26/09/2018 in the Department of Computer Engy.

Computer Engy.

Venue: R3 Room.

Date Sept 26, 2018

Time: 11:45 am. The following BOS members and faculty members attended the meeting, Dr. A. W. Kiwelekan 1 Dr. L.D. Notak - 18 THEAR CE (Esta 14979) allent of bases of the (11) Prof. M.D. Laddhe Maddha. (iv) Prof. Vnibbar Narawade (iv) @ Prof. . Thetam Thetam (i) Prof. y. N. Palil (vii) Prof. Sawil Gundhi (Viii) Mohon P. Pati) No Common Chandrashadan Wiloche DIET SAN (ix) Panking V. Phadtone Phadtone Min west the same want about the person of the 1) The 196+ of examiners received from the Examination rection has been approved (2) It has been observed that two members on adher Bos are from the same college . It has been suggested to withdraw one member.

3 The course of AI received from Rush
has been discussed and suggested to include in tre course structure.

in Completed Engineering to calls 2019 following members attende meeding 70-4 A. W. Kloselekazi M. Do Laddha Los wise Waddla I. R. Thetam (4) Thetam 4) S.P. Abhang 5) Mrs. Dipali Chartge Heena A. S. Gangrekar (H)e Rasika. T. Kalyane detal. . . . Polym Mr. Presad V. Phalle (putit-6269) D. Mr. Mangesh M. Hajare 10. Mr. R.B. wagt Mr. S. R. Sanowore 11. Mr A.R. Chinchanade 12. Prof. Sudhir Anjunsao Shinde Mr. S. N. Jaisway JHEC Aurappachal MARIE Mr. P. V. Phadtage DBATU, Lonere Phadter E5. 16. K.P. Chaudhain' MIR Augusted Dr. Shobing sayted K.B.P college of Enga salanoil 18. Sayyad Tarannum J. KBPCOF, Sator. Oger 19. MT GANESH DHONDU DANGAT KBOCOES SATARA 20 Mr. Omkar Chandrashekhar Nilakhe DIET, SATARA E. R. Tandle MSBCOE, Latur-21) 22) Mr. W. M. Mulani, SITCOE, Yodray-Ichalkaranji 28) Mr Imman Y. Inamolar MINCOE, Peter Counge) 24) mr. Ganesh Bhagwan Pati Noncot, Pethysangi) 13) Mr. Sagar Prabhakar Male, AJTRC, Vita (Songli) 26) Mr. Ramdas Pandyrang Bagawade, PES COE, Phallan 27. Mr. Amit Tulshidas Bhosale, PESCOE, Phaltan others 2. Mr. Khalid Alfatmi svkmis IOT Dhule 21) L.D. Netule 3.) Ma- 5 B. Kalyankar 31) Me- V.R. Mole.

10 August 2020

Dear All

I welcome you all for the first Board of Studies meeting of Computer Engineering. This is a New Board Of Studies which is constituted as per the notification of DBATU, dated 27 July 2020.

Meeting Agenda

1) To finalize 7th and 8th semester syllabus of B. Tech. Computer Engineering for the academic year 2020-2021.

So all of you are welcome to attend the meeting as per schedule.

Thanks and Regards

Date: 11th August 2020

Time: 4:00 p.m.

Online app: Zoom

Dr. Hitendra Patil

College of Eng

12:54 pm V

17 July 2021

Dear all

On Line ,Computer engineering BOS meeting is scheduled on 19 July 2021,at 3.30 pm

Agenda is

1) online courses to be offered in in 3rd, 5th and 7th semester and mandatory online course on Al for all the engineering branches other than CE and

2) recommendation of additional minor courses for computer engineering 5:45 pm √/

> Principal S.S.V.P.S'5 B.S.Deore College of Engg.Dhule

2.8

10 August 2020

Dear All
I welcome you all for the first Board of Studies
meeting of Computer Engineering. This is a New
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Meeting Agenda

To finalize 7th and 8th semester syllabus of B.
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So all of you are welcome to attend the meeting as per schedule.

Thanks and Regards

Date: 11th August 2020

Time: 4:00 p.m.

Online app: Zoom

Dr. Hitendra Patil

Principal

College of Engg. 13h

- 12:54 pm 🗸

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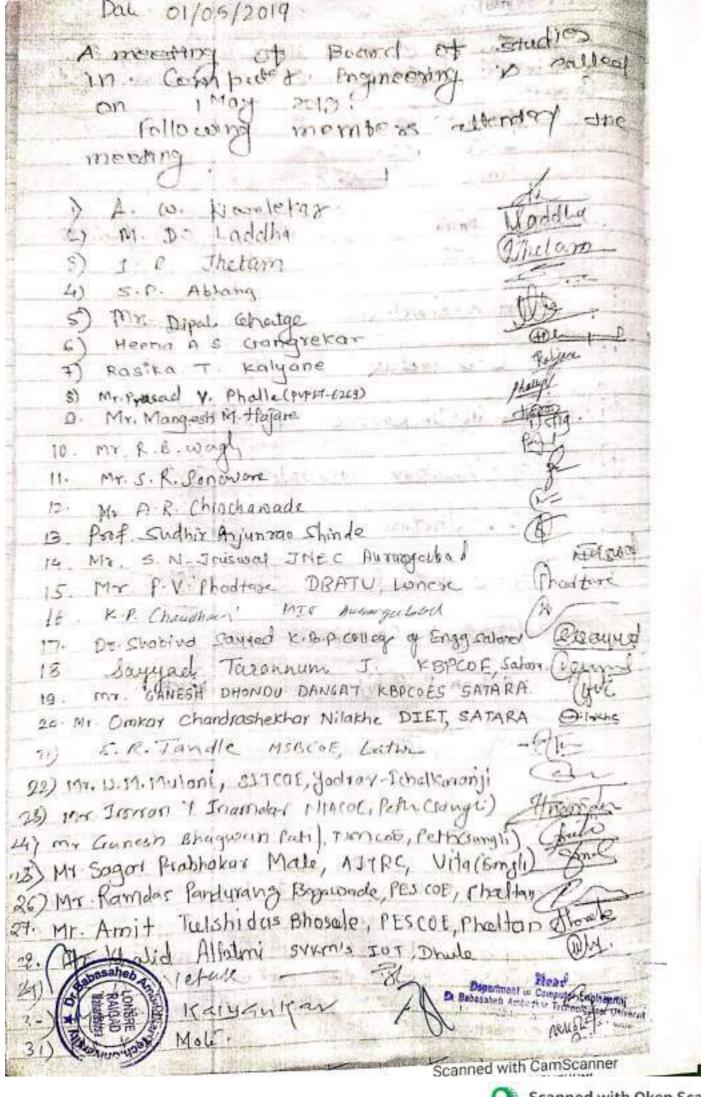
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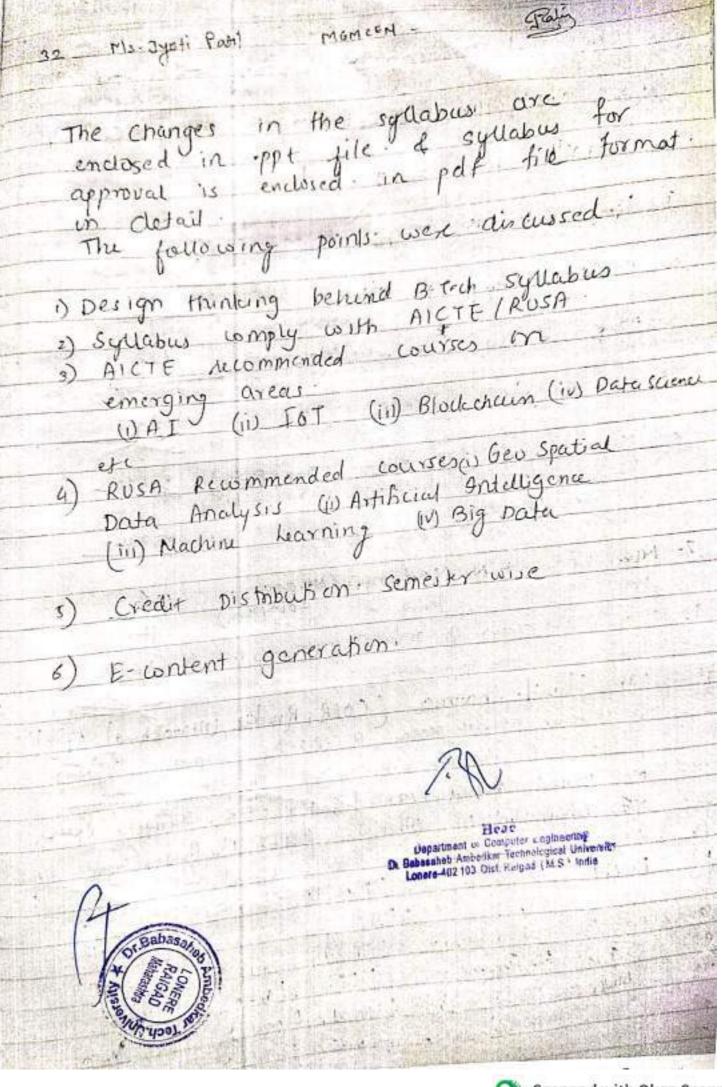
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Draft Minutes of the Meeting of BoS in E & TC

BoS meeting of E & TC was held on 17th March, 2017 in the department of E & TC Engineering at 11 am. Agenda for the meeting was as follows;

- Recommendation of Course Structure and Course contents of B.Tech in Biomedical Engineering
- Recommendation of Course Structure and Contents of B. Tech in Electronics Engineering
- Changes in Course Structure and Contents of M.Tech in Electronics & Telecommunication Engineering as per guidelines given by PG executive committee
- 4. Changes in Course structures as per guidelines of UG Executive Committee in earlier curriculum recommended by BoS

Following Members were present for the meeting:

- 1. Dr. S.L. Nalbalwar, Chairman, Board of Studies
- 2. Dr. S.B. Deosarkar, Professor of E & TC
- Dr. R.N. Awale, Professor of E & TC & HoD of Electrical Engineering, VJTI Mumbai
- Dr. A.B. Nandgaonkar, Associate Professor of E & TC
- Dr. Munir Sayyad, General Manager Reliance Jio, Mumbai.
- Shri Ravindra Kale, General Manager, Network Audit & Governance SLP, Reliance JIO
- Dr. Rajesh Ghongade, MIT COE Pune
- 8. Dr. Y.H. Dandawate, VIIT Pune (Invited)

Dr. D.S. Bormane, Prinicpal JSPM, RSCoE, Pune could not at attend the meeting

1. Finalization of course content of Communions Skills (First M.Tech Year Course)

Course contents of the First year M.Tech (E & TC) course on Communions Skills is discussed and recommended by BoS. Please see the detailed course content in Annexure-I#.

2. Changes in Course Structure and Contents of M.Tech in Electronics & Telecommunication Engineering as per guidelines given by PG executive committee

BoS has gone through the guidelines given by PG Executive committee and incorporated the changes suggested in the PG curriculum. (Please see Annexure-II)

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3. Recommendation of Course Structure and Course contents of B.E/. B.Tech in Biomedical Engineering:

Courses of 3rd semester to 8th semester are discussed thoroughly in the meeting. While deciding the courses of these semesters, syllabi of Pune, Mumbai University, IITs, UGC guidelines, AICTE model curriculum as well as recent development in technology & requirement of industry is taken into account and course structure up-to final year is finalized in the meeting and course content up to second year is recommended by the BoS. (Please see Annexure-III)

4. Recommendation of Course Structure and Contents of B.E/ B.Tech in Electronics Engineering

Courses for 3rd semester to 8th semester are discussed thoroughly in the meeting. While deciding the courses of these semesters, syllabi of Pune, Mumbai University, IITs, UGC guidelines, AICTE model curriculum as well as recent development in technology & requirement of industry is taken into account and course structure up-to final year is finalized in the meeting and course content up to Final Year is recommended by the BoS. (Please see Annexure-IV)

5. Changes in Course Structure and Contents of B.Tech in Electronics & Telecommunication Engineering as per guidelines given by UG executive committee

BoS has gone through the guidelines given by UG Executive committee and incorporated the changes as suggested in the UG curriculum.(Please see Annexure-V)

1. Dr. S.L. Nalbalwar

Dr. S.B. Deosarkar

3. Dr. R.N. Awale

4. Dr. A.B. Nandgaonkar

Dr. Munir Sayyad

Shri Ravindra Kale

Dr. Rajesh Ghongade

8. Dr. Y.H. Dandawate

B. Tech Course Structure

Biomedical Engineering

	S.	Semester III						
Sr.				Teaching Scher				
No.	Code	2000 CO - 100 - 10	L	T	P	C		
1	BM301	Mathematics for Biomedical Engineering	4	0	0	4		
2	BM302	Basics of Human Anatomy and Physiology-I	3	0	0	3		
3	BM303	Biomedical Transducers	3	1	0	4		
4	BM304	Analog and Digital Circuits	3	0	0	3		
5	5 BM305 (ELE-I)	Communication Circuits and Systems	3	3 0 0	0	3		
	N.80304013085	Biomedical Laser Instrumentation						
		Nuclear Medicine						
6	BML306	Analog and Digital Circuits Lab	0	0	2	1		
7	BML307	Biomedical Transducers Lab	0	0	2	1		
8	BM308	Skill Set I	0	0	2	1		
	90010-000West	TOTAL	16	1	6	20		

		Semester IV				
Sr.	Subject	Subject Subject	Teaching Scheme			
No.	Code		L	T	P	C
1	BM401	Numerical Methods in Biomedical Engineering	4	0	0	4
2	BM402	Basics of Human Anatomy and Physiology-II	3	0	0	3
3	BM403	Fundamentals of Signals and Systems	3	1	0	4
4	BM404	Medical Instrumentation	3	0	0	3
5	BH	Basic Human Rights	2	0	0	2
	1	Radiotherapy Equipment's	3	0	0	3
6	BM405 (ELE-II)	Medical Radiation Safety Engineering	700	A		
		Quality Control and Regulatory Aspects in Medical Devices				
7	BML406	Medical Instrumentation Lab	0	0	2	1
8	BM407	Skill Set II	0	0	2	1
	113	TOTAL	18	1	4	21

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	dit of	Semester V				
Sr.	Subject	Teaching Scheme				
No.	Code	110000000	L	T	P	C
1	BM501	Mathematics for Medical Imaging	4	0	0	4
2	BM502	Digital Signal Processing	3	1	0	4
3	BM503	Microprocessors and Microcontrollers	3	0	0	3
4	BM504	Biomedical Diagnostic Systems	3	0	0	3
5	BM505	Introduction to Biomedical System Standards and Protocols	3	0	0	3
6 BM506 (ELE-III)		Troubleshooting of Medical Instruments Hospital Engineering Telemedicine and Picture Archival	3	3 0		3
		Communication System (PACS)				
7	BML507	Digital Signal Processing Lab	0	0	2	1
8	BML508	Microprocessors and Microcontrollers Lab	0	0	2	1
9	BM509	Skill Set III	0	0	2	1
		TOTAL	19	1	6	23

	TV-00-00-00-00-00-00-00-00-00-00-00-00-00	Semester VI			-5000	
Sr.	Sr. Subject Subject				Schem	me
No.	Code	(1)2-2	L	T	P	C
1	BM601	Fluid Mechanics	3	1	0	4
2	BM602	Control Systems	3	0	0	3
3	BM603	Healthcare Management	3	0	0	3
4	BM604	Advanced Biomedical System Standards and Protocols	3	0	0	3
5	BM605	Biomaterials and Artificial Organs	3	0	0	3
6	BML606	Fluid Mechanics Lab	0	0	2	1
7	BML607	Control Systems Lab	0	0	2	1
8	BM608	Mini Project	0	0	2	1
9	BM609	Industrial Training-I	0	0	2	1
	MACONIERSO	TOTAL	15	1	8	20

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	V.1900-90	Semester VII			11200	
Sr.	Subject	Subject	Teaching Scheme			
No.	Code		L	T	P	C
1	BM701	Biomedical Image Processing System and Analysis	3	1	0	4
2	BM702	Rehabilitation Engineering	3	1	0	4
3	BM703	Embedded Systems and RTOS	3	0	0	3
4	BM704 (ELE-IV)	Advanced Medical Imaging Systems	3	0	0	3
		Advanced Diagnostic and Surgical Equipments				
		Hospital Radiopharmacy				
5	BM705 (ELE-V)	Regulatory Aspects In Biosciences	3	0	0	3
	(2001) (1000) (1000)	Home Medicare Technology				
		Design & Development of Medical Devices				
6	BM706	Industrial Training-II (Training to be undergone after VI Semester)	0	0	2	1
		TOTAL	15	2	2	18

		Semester VIII					
Sr.	Subject Subject		Teaching Scheme				
No.	Code	Severations.		L	T	P	C
1	BM801	Applied Optoelectronics in Medicine		3	0	0	3
	(ELE-VI)	(ELE-VI) Biomedical MEMS and Nanotechnolog	logy				
	***************************************	Applied Neural Networks and Fuzzy Logic in Medicine	8				
2	BM802 (ELE-VII)	Artificial Intelligence and Pattern Recognition in Medicine		3	0	0	3
		Brain-Computer Interface					
		Electro Physiology For Human Syste	m	1			
		Biophotonics	2000-0				
3	BM803	Major Project		0	0	24	12
		TO	ΓAL	6	0	24	18

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Alana Pagal 17/3/17

		Elective-I				
Sr. Subject Subject				Teaching Sch		
No.	Code		L	T	P	(
1	ELE-I	Communication Circuits and Systems	3	0	0	3
2		Biomedical Laser Instrumentation	3	0	0	3
3		Nuclear Medicine	3	0	0	3
200		Elective-II			-1.00	-
4	ELE-II	Radiotherapy Equipment's	3	0	0	3
5		Medical Radiation Safety Engineering	3	0	0	3
6	1	Quality Control and Regulatory Aspects	3	0	0	3
		in Medical Devices				
		Elective-III			A	
7	ELE-III	Troubleshooting of Medical Instruments	3	0	0	3
8	2000 (100 COV.)	Hospital Engineering	3	0	0	3
9	7	Telemedicine and Picture Archival	3	0	0	3
		Communication System (PACS)			10	
	11	Elective-IV				
10	ELE-IV	Advanced Medical Imaging Systems	3	0	0	3
11		Advanced Diagnostic and Surgical	3	0	0	3
		Equipments	32	5200	22:	1007
12		Hospital Radiopharmacy	3	0	0	3
		Elective-V				
13	ELE-V	Regulatory Aspects In Biosciences	3	0	0	3
14	- C	Home Medicare Technology	3	0	0	3
15		Design & Development of Medical	3	0	0	3
		Devices	183	0.00	56	555
	-2	Open Elective-I	0;	7.	(X)-	121
16	ELE-VI	Applied Optoelectronics in Medicine	3	0	0	3
17		Biomedical MEMS and Nanotechnology	3	0	0	3
18	1	Applied Neural Networks and Fuzzy	3	0	0	3
		Logic in Medicine	iec.	Those	111156	300
		Open Elective-II			110	
19	ELE-VII	Artificial Intelligence and Pattern	3	0	0	3
		Recognition in Medicine		G		
20		Brain-Computer Interface	3	0	0	3
21		Electro Physiology For Human System	3	0	0	3
22]	Biophotonics	3	0	0	3
	70	Open Elective-III	4	-17-	V.S	13/1
23	ELE-VIII	Biomechanics	3	0	0	3
24		Computational Fluid Dynamics analysis	3	0	0	3
0.000		in Medicine	/58	21	1	
25		Physiological Modeling	3	0	0	3
26		Robotics and Automation in Medicine	3	0	0	3

Num Carle (2) 103/10

Date: 5/5/2018

To

The Registrar,

Dr. B.A.T.U. Lonere.

Subject: Minutes of BoS in E & TC Engineering held on 5th May, 2018

Dear Sir,

Please find attached herewith minutes of Board of Studies (BoS) in Electronics and Telecommunication Engineering held during 5th May 2018

You are requested to put-up recommendations of BoS before ensuing meeting of Academic Council for its approval.

Yours sincerely,

Dr. S.L. Nalbalwar) Chairman, BoS in E & TC

Minutes of the Meeting of BoS in E & TC

BoS meeting of E & TC Engineering was held during on 5th May, 2018 in the department of E & TC Engineering at 10.30 am.

Agenda for the meeting was as follows:

 Recommendation of Course Structure and Course Curriculum for following UG Programmes

Sr. No.	UG Programme (B.Tech)	
1	Electronics & Telecommunication	
2	Electronics Engineering	
3	Biomedical Engineering	

- 2. Recommendation of PEOs, POs, Course Objectives. Course Outcomes and their mapping
- 3. Mapping of recommended curriculum with NPTEL, SWAYAM and MOOC courses
- Recommendation of minor corrections in course contents and addition of Elective courses in the M.Tech programmes
- 5. Any other point with permission chair

Following Members were present for the meeting:

- I. Dr. S.L. Nalbalwar, Head Dept. of E&TC and Chairman, Board of Studies
- 2. Dr. S.B. Deosarkar, Professor of E & TC
- 3. Dr. A.B. Nandgaonkar, Associate Professor of E & TC
- 4. Dr. Munir Sayyad, Asst.Vice-President, Reliance Jio, Mumbai.
- Dr. Ulhas B. Shinde, Principal, CSMSS CHH Shahu College of Engineering Aurangabad
- 6. Dr. R.M. Autee, Deogiri Institute of Engineering & Management Studies, Aurangabad

Following members could not attend the meeting; however they have given concurrence for the said changes in the syllabus over telephonic conversation;

- 1. Dr. D.S. Bormane, Principal, CoE, AISSM. Pune
- 2. Dr. R.N. Awale , VJTI Mumbai
- Dr Ulhas Shiurkar, Director, Deogiri Institute of Engineering & Management Studies, Aurangabad

1. Recommendation of Course Structure and Course Curriculum for following UG Programmes

Sr. No.	UG Programme (B.Tech)	Remark
1	Electronics & Telecommunication	BoS recommended Course Structure and Course Contents from 3 rd semester-8 th Semester. Also recommended the same course contents for Basic Electronics. Please find Annexure-I
2	Electronics Engineering	BoS recommended Course Structure and Course Contents from 3 rd semester-8 th Semester. Also recommended the same course contents for Basic Electronics. find Annexure-II
3	Biomedical Engineering	BoS recommended no change in the Course Structure and Course Contents for the Biomedical Engineering Programme.

Curriculum for the above mentioned UG programmes from 3rd semester to 8th semester have been thoroughly discussed and decided in the meeting. While deciding the courses of these semesters, syllabi of Pune University, Mumbai University, IITs, UGC guidelines, AICTE model curriculum & guidelines as well as recent development in technology & requirement of industries are taken into account. Finally course structure and course content up-to final year are prepared and recommended by the BoS in this meeting.

Please see Annexures - I and Annexures -II for details of B.Tech (E & TC) and B.Tech. (Electronics)

2. Recommendation of PEOs, POs, Course Objectives, Course Outcomes and their mapping

BoS recommended to continue with the same PEOs, POs, Course Objectives and Course Outcomes, Also recommended that, the Course Objectives and Course Outcomes for the additional courses.

3. Mapping of recommended curriculum with NPTEL, SWAYAM and MOOC courses

Recommended the mapping of proposed courses with online courses available with above platform

Recommendation of minor corrections in course contents of following courses and addition of Elective courses in the M.Tech programmes

Two additional Elective courses namely

- a. Recent Trends and Technologies
- b. Radio Spectrum Management

are recommended by BoS as Elective-I and Elective -IV and being added in the first and second semester of all PG programmes.

Also curriculums all PG streams of Electronics from 1st semester to 4th semester have been thoroughly revisited and minor corrections in the course contents have been recommended by BoS.

Sr. No.	Course Name	Course Code in EXTC	Remark
1	Signal Theory	MTETC101	Minor corrections in
2	Signal Processing Algorithms & Applications	MTETC103	the course contents. All these changes in
3	Estimation and Detection Theory	MTETC201	the respective courses
4	Information Theory & Coding	MTETC202	will be applicable to
5	Multirate Digital Signal Processing	MTETE233	all respective M.Tech programmes under
6	IOT	MTETE255	BoS in E & TC.

It is also recommended that student has to choose Project Management and Intellectual Property Rights course either from NPTEL/MOOC/SWAYAM pool and submission of course completion certificate is mandatory. If single course is not available, students have to submit the certificate of Project Management and Intellectual Property Rights separately.

Please see Annexure-III for the details.

5. Any other point

a) Recommendation for online courses

Discussion on mapping of proposed courses with courses from NPTEL/MOOC/SWAYAM/edx pool is carried out. It is observed that, most of the courses are mapped with proposed courses. BoS recommended for online registration of available courses by students from any of the above platform in place of courses proposed in the curriculum. Grades of these online courses will be taken as it is, if certificate is submitted by the candidates.

- b) Powers have been delegated to the Chairman for making the normal changes if needed that is, addition of electives, shifting of courses, addition of courses, course contents etc.
 - Dr. S.L. Nalbalwar, Head Deptt. of E&TC and Chairman, Board of Studies
 - Dr. S.B. Deosarkar, Professor of E & TC
 - Dr. A.B. Nandgaonkar, Associate Professor of E & TC
 - 4. Dr. Munir Sayyad, Asst. Vice-President, Reliance Jio, Mumbai.
 - Dr. Ulhas B. Shinde, Principal, CSMSS CHH Shahu College of Engineering Aurangabad
 - 6. Dr. R.M. Autee, Deogiri Institute of Engineering & Management Studies, Aurangabad

Circular

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering is called on 26th September, 2018 at 11 am in EDUSAT room.

Agenda for the meeting was as follows:

- A. To finalize the subject codes for core courses, open electives, programme electives, projects, practical, mini-projects, Industrial Training, and Electronics workshop etc
- B. To recommend the list of paper setters, evaluators and moderators for Winter 2018 examination.
- C. To nominate one BoS representative on board of Examination
- D. Review of ordinances of disciplines
- E. Co-opting of Invitees on BoS
- F. Teacher examiner manual for all courses
- G. Adoption of courses recommended by RUSA
- H. Any other point with permission of the Chair.

All are requested to attend the meeting

Chairman, BoS

Copy Submitted to: Hon. Vice-Chancellor

Copy to:

- 1. Dean, Faculty of Engineering & Technology
- 2. All members of BoS
- 3. Registrar
- 4. Controller of Examinations

Minutes of BoS Meeting

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering was held on 26th September, 2018 at 11.00 am in EDUSAT room at Dr. B. A. Technological University Campus, Lonere.

Agenda for the meeting was as follows:

- A. To finalize the subject codes for Core courses, Open electives, Programme electives, Projects, Practical, Mini-projects, Industrial Training/Field Training/ /Internships, and Electronics workshop, etc.
- B. To recommend the list of paper setters, evaluators and moderators for Winter-2018 examination
- C. To nominate one BoS representative on board of Examination
- D. Review of ordinances of disciplines
- E. Co-opting of Invitees on BoS
- F. Teacher reference manual for all courses
- G. Adoption of courses recommended by RUSA
- H. Any other point with permission of the Chair.

The following members were present for the meeting:

Sr. No.	Name of BoS Member	Institute	BoS
1	Dr. S. L. Nalbalwar	Dr. BATU, Lonere	Chairman
2	Dr. R.M. Autee	Deogiri College of Engineering, Aurangabad	Member
3	Dr. S.D. Nawale	N. B. Nawale Sinhgad College of Engineering, Solapur	Member
4	Dr. A.D. Sayyed	MIT, CoE Aurangabad	Member
5	Dr. P.J. Deore	R. C. Patel College of Engineering, Jalgaon	Member

A. To finalize the subject codes for Core courses, Open electives, Programme electives, Projects, Practical, Mini-projects, Industrial Training/Field Training /Internships, and Electronics workshop, etc.

Members of BoS discussed the course/subject/discipline codes proposed by examination section (please refer Annexure-I) and recommended codes without any changes for consideration.

After using recommended codes for 3rd and 4th semester, the final course codes for each course are given in Annexure-II.

Bos chairman

Dr. R.M. Antee

Dr. S.D. Marsle Dr. A.D. Some Box Menser Box Member

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B. To recommend the list of paper setters, evaluators and moderators for Winter-2018 examination

Members have gone through database provided by exam section for the said purpose. BoS has discussed and proposed the names of Paper setters, Moderators and Evaluators for the 3rd semester courses in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering (Please see the Annexure-III). Also guidelines for appointment of person as, moderators, paper setters and evaluators have been suggested as follows:

- Teachers having experience of above 10 years may be considered to work as a Moderator
- Teachers having experience of more than or equal to 5 years may be considered to work as a Paper Setter
- All teachers may be considered to work as a Evaluators.

C. To nominate one BoS representative on board of Examination

BoS Unanimously nominated its member Dr. Munir B. Sayyad, Assistant Vice-President, Reliance JIO, Mumbai on Board of Examination.

D. Review of ordinances of disciplines NPIU and AICTE Directives:

BoS member after thorough discussion proposes the adoption of courses offered through SWAYAM/NPTEL/MOOC platform as per willingness of the students. It is also recommended to consider the Grades/Marks given by conducting organization. Number of such courses should not exceed 20% of courses offered by the programme. The courses from said platform should be of at least 8 weeks and 12 weeks duration for earning credits of 2 and 3 respectively.

E. Co-opting of Invitees on BoS:

After looking into curriculum developed for 3 UG and 9 PG programmes, BoS decided to coopt six invitees instead of three. The names of invited members on BoS are as follows;

- Prof. S.B. Deosarkar, Professor of E & TC Engineering, Dr BATU Lonere
- 2. Dr. Munir Sayyad, Asst. Vice-President Reliance JIO, Mumbai
- 3. Dr. A.B. Nandgaonkar, Faculty of BATU Lonere
- 4. BoS Chairman in Electronics Engineering, AKTU, Lucknow or nominated by him/her.
- BoS Chairman in Electronics Engineering, Uttaranchal Technical University, Dehradun or nominated by hith/her.
- 6. BoS Chairman in Electronics Engineering, Himachal Pradesh Technical University,

Hamipur or nominated by him/her.

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F. Teacher reference manual for all courses:

BoS recommended Teacher- reference manual for all courses so as to bring Uniformity in conduction of theory and practical courses in all affiliated institutes and University department. Proposed manual is attached as Annexure-IV. BoS is of the opinion that it should be made mandatory for all courses of Electronics Engineering and it's all allied programmes.

G. Adoption of courses recommended by RUSA:

RUSA has recommended following courses for the discipline of E & TC/Electronics Engineering.

Looking into the need of the hour and after thorough discussion, it is decided to include these courses from IVth semester onwards in the B.Tech curriculum of said courses.

Sr. No.	Name of the Vertical	Name of the Course	Semester	Core /Elective Course
1	Product Design	Product Design Engineering	IV	Core
2	Artificial Intelligence	Artificial Intelligence deep learning	VI	Elective
3	Cyber Security	Cyber Security	VII	Elective
4	Data Analytics	Associate Analytics	VII	Elective
5	Geographical Information System	Geo-informatics and Spatial Computing	VIII	Elective
6	Robotics	E-Yantra	VIII	Elective

H. Any other points, with permission of Chair:

- i. As per Ph.D. rules and regulations Research Methodology is a mandatory course, which offered by all disciplines in even semesters. Looking into this requirement it is proposed to keep said course as an Elective course in odd-semester also. BoS proposes to include this course under Elective-I of first semester M.Tech. programme in Electronics and Telecommunication Engineering and all its allied programmes.
- ii. Since course objectives and course outcomes have been well defined in the curriculum of courses of E & TC and Electronics Engineering, therefore BoS recommends to display Course Outcome(CO) along-with each question in question paper of all courses. This will help to know attainment of learning level of each of the students in respective courses. This information will also be useful for NBA/NAAC accreditation purpose.
- iii. Since Industrial Training/Field Training/Internship was not included in the curriculum of 4th semester of Biomedical Engineering, hence so as follow the mandate of AICTE BoS recommended Field Training/ Internship/Industrial Training (4-6 weeks which can be completed partially in third semester or fourth semester or in at one time).

Powers has been delegated to BoS Chairman for making normal changes if necessary.

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Date: 15/01/2019

Minutes of BoS Meeting

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering was held on 14th -15th January, 2019 in EDUSAT room.

The following members were present for the meeting:

- 1 Dr. S.L. Nalbalwar, Dr. BATU, Lonere
- 2 Dr. S.B. Deosarkar, Dr. BATU, Lonere
- 3 Dr. R.M. Autee, Deogiri Institute of Engineering and Management Studies, Aurangabad
- 4 Dr. S.D. Nawale, N B Nawale Sinhgad College of Engineering, Solapur
- 5 Dr. A.D. Sayyad, Marathwada Institute of Technology, Aurangabad

Following members could not attend the meeting. Leave of absence was granted to them.

- 1. Dr. P.J. Deore, RC Patel Institute of Technology, Shirpur
- 2. Dr. A.B. Nandgaonkar, Dr. BATU Lonere
- 3. Dr. Munir Sayyed, Reliance Jio, Mumbai
- 4. Dr. Sachin Singh, AKTU Luckhnow
- 5. Dr. Vinay Kumar, HPTU, Hamirpur

The following points were discussed and finalized during the meeting of BoS held on 14-15 January, 2019.

Finalization of the curriculum of 1st and 2nd Year B. Tech programs (all four semesters).

The curriculum structure and detail syllabus for UG programs in Electronics and Telecommunication Engineering, Electronics Engineering and Biomedical Engineering have been finalized and recommended for considerations of Academic Council. The minor changes in credits and course contents in the course "Product Design Engineering" are incorporated as per directives Hon, Vice Chancellor (NO.FoET/2018/01).

Recommendation of final structure for the third year and final year UG programs as discussed in the Faculty of Engineering Meeting.

The course structure along-with detail syllabus for the third year and only course structure for final year of B.Tech programs in Electronics and Telecommunication Engineering, Electronics Engineering and Biomedical Engineering is recommended by BoS.

 The BoS Recommended and resolved for nomination of expert on Faculty as per modified statutes (S3.10(d) PP 71). As per the S3.10 (d), BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering there is a provision to nominate one faculty amongst the institutions those are satisfying norms. The BoS has resolved and recommendation following faculty member on the faculty board as a nominee

- 1. Dr. Jagdish Jadhav, RC Patel Institute of Technology, Shirpur
- 4. The BoS suggested minor corrections in Rules and Regulations and modified Statutes

BoS members discussed over this agenda point and conveyed few suggestions to Dean, Faculty of Engineering.

- Any other point with permission of chair.
 - A. For M.Tech Course on IPR/ Project Management, weightage under TW and PR heads are removed and replaced by only theory (TH) head without changing the total marks.
 - B. BoS members delegated powers to the BoS Chairman for small corrections like Course Codes, addition Electives, corrections in examination scheme and credits, credit distributions, if necessary.

Meeting ended with thanks to chair.

Date: 30/05/2019

Circular

Subject: Meeting of BoS on 30th May, 2019

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering is called on 30th May, 2019 at 11 am in EDUSAT room.

The Agenda for the meeting is as follows

- The curriculum of the Second Year Electronics and Communication Engineering Sandwich Programme
- Course content of final year Electronics & Telecommunication Engineering and Electronics Engineering
- 3. Finalization course structure for Electronics & Communication Engineering
- 4. Credit transfer facility for AKTU/HPTU/UTU Universities
- 4. Any other point with the permission of the chair.

Chairman, BoS in E & TC

To

All BoS Members

Minutes of BoS Meeting

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering was held on 30th May, 2019 at 11 am in EDUSAT room.

The Agenda for the meeting was as follows:

- To recommend the curriculum for Second Year Electronics and Communication
 Engineering Sandwich Programme
- Finalization of course content of final year B.Tech programme in Electronics & Telecommunication Engineering and Electronics Engineering
- Finalization of course structure and Curriculum for B. Tech programme Electronics & Communication Engineering
- 4. Discussion credit transfer facility for AKTU/HPTU/UTU Universities
- Any other point with the permission of the chair.

The following members were present for the meeting:

- 1. Dr. S.L. Nalbalwar, Dr. BATU, Lonere, Chairman BoS
- 2. Dr. S.B. Deosarkar, Dr. BATU, Lonere, Member
- 3. Dr. Sachin Singh, AKTU Luckhnow, Invited Member
- 4. Dr. VinodKapoor, HPTU, Hamirpur (Participated on Skye), Invited Member
- 5. Dr. Ashish Bagwari, UTU, Dehradun (Participated on Skype), Invited Member
- 6. Dr. R.M. Autee, DIEMS, Aurangabad, Member
- 7. Prof. Ravindra Gahane, NCER, Talegaon, Invited Member
- 8. Prof. Neeta P. Karhadkar NCER, Talegaon, Invited Member

Following members could not attend the meeting. Leave of absence was granted to them.

- 1. Dr. A.B. Nandgaonkar, Dr. BATU Lonere
- Dr. Munir Sayyed, Reliance Jio, Mumbai
- 3. Dr. S.D. Nawale, N B Nawale Sinhgad College of Engineering, Solapur
- 4. Dr. P.J. Deore, RC Patel Institute of Technology, Shirpur
- 5. Dr. A.D. Sayyad, Marathwada Institute of Technology, Aurangabad

The following points were discussed and finalized in the meeting of BoS:

- The course structure along-with detail syllabus for the second year Sandwich course in Electronics and Communication Engineering is approved & recommended by BoS. (Annexure-I)
- Course content of final year B.Tech in Electronics & Telecommunication Engineering (E & TC) and Electronics Engineering is finalized by the BoS and recommended for approval of Academic Council.
 (Annexure-II)
- 3. As far as course structure and detail syllabus for UG programs in Electronics and Communication Engineering is concerned, it is discussed and decided to keep the same curriculum of second and third year of E & TC Engineering programme to Electronics and Communication Engineering programme.
- 4. BoS has discussed at a length on credit transfer facility among the Mentees and Mentor Universities. BoS recommended this facility, for the courses which are having same course contents and similarities in the course name which is available in each of these Universities.

BoS members delegated powers to the BoS Chairman for corrections like Course Codes, addition of Electives, corrections in examination scheme and credits, credit distributions, credit transfers if necessary.

Meeting is ended with thanks to the chair.

Minutes of Meeting

BOS Electronics and Telecommunication and allied Branches

Date: 16th June, 2020, Time: 3.30pm

Mode; Through Video Conferencing

- First year to final year syllabus for effective from Academic Year 2020-2021 batch in the following disciplines (Starting from FY)
 - a. Electronics Engineering
 - Electronics & Telecommunication Engineering
 - e. Electronics & Communication Engineering
 - d. Electronics & Communication Engineering (sandwich)
 - e. Biomedical Engineering

is recommended to by BOS to academic council for its approval.

- Modification of 8th semester of existing curriculum is done to introduce self-study courses and internship programme for full semester in the following disciplines:
 - a. Electronics Engineering
 - b. Electronics & Telecommunication Engineering
 - e, Electronies & Communication Engineering
 - d. Electronics & Communication Engineering (sandwich)
 - e, Biomedical Engineering

The revised structure is recommended to academic council for its approval.

- BOS chairman will decide one online course for each semester for existing syllabus except 1st, 3rd and 7th semester. BOS chairman will decide whether to introduce that course in online mode or off line mode depending upon the situation at that time.
- If 60 to 80 percentage mapping is available with MOOC platform for the curriculum courses, then such courses shall be introduced for self-study in online mode.
- Two major NPTEL / SWYAM specialization A1 and ML / IOT and Minor in Electronics and Telecommunication with structure and detail syllabus are recommended by BOS. Student shall opt this course in online mode from NPTEL / SWYAM and credit transfer will be done directly by the university.
- Two major Coursera specialization AI and ME / IOT with structure and detail syllabus are recommended by BOS. For these specialization evaluation scheme will be 60/40, 40 marks will be for continuous assessment and 60 marks for end semester examination conducted by university.

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Draft Minutes of the Meeting of BoS in E & TC

BoS meeting of E & TC was held on 17th March, 2017 in the department of E & TC Engineering at 11 am. Agenda for the meeting was as follows;

- Recommendation of Course Structure and Course contents of B.Tech in Biomedical Engineering
- Recommendation of Course Structure and Contents of B. Tech in Electronics Engineering
- Changes in Course Structure and Contents of M.Tech in Electronics & Telecommunication Engineering as per guidelines given by PG executive committee
- 4. Changes in Course structures as per guidelines of UG Executive Committee in earlier curriculum recommended by BoS

Following Members were present for the meeting:

- 1. Dr. S.L. Nalbalwar, Chairman, Board of Studies
- 2. Dr. S.B. Deosarkar, Professor of E & TC
- Dr. R.N. Awale, Professor of E & TC & HoD of Electrical Engineering, VJTI Mumbai
- Dr. A.B. Nandgaonkar, Associate Professor of E & TC
- Dr. Munir Sayyad, General Manager Reliance Jio, Mumbai.
- Shri Ravindra Kale, General Manager, Network Audit & Governance SLP, Reliance JIO
- Dr. Rajesh Ghongade, MIT COE Pune
- 8. Dr. Y.H. Dandawate, VIIT Pune (Invited)

Dr. D.S. Bormane, Prinicpal JSPM, RSCoE, Pune could not at attend the meeting

1. Finalization of course content of Communions Skills (First M.Tech Year Course)

Course contents of the First year M.Tech (E & TC) course on Communions Skills is discussed and recommended by BoS. Please see the detailed course content in Annexure-I#.

2. Changes in Course Structure and Contents of M.Tech in Electronics & Telecommunication Engineering as per guidelines given by PG executive committee

BoS has gone through the guidelines given by PG Executive committee and incorporated the changes suggested in the PG curriculum. (Please see Annexure-II)

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3. Recommendation of Course Structure and Course contents of B.E/. B.Tech in Biomedical Engineering:

Courses of 3rd semester to 8th semester are discussed thoroughly in the meeting. While deciding the courses of these semesters, syllabi of Pune, Mumbai University, IITs, UGC guidelines, AICTE model curriculum as well as recent development in technology & requirement of industry is taken into account and course structure up-to final year is finalized in the meeting and course content up to second year is recommended by the BoS. (Please see Annexure-III)

4. Recommendation of Course Structure and Contents of B.E/ B.Tech in Electronics Engineering

Courses for 3rd semester to 8th semester are discussed thoroughly in the meeting. While deciding the courses of these semesters, syllabi of Pune, Mumbai University, IITs, UGC guidelines, AICTE model curriculum as well as recent development in technology & requirement of industry is taken into account and course structure up-to final year is finalized in the meeting and course content up to Final Year is recommended by the BoS. (Please see Annexure-IV)

5. Changes in Course Structure and Contents of B.Tech in Electronics & Telecommunication Engineering as per guidelines given by UG executive committee

BoS has gone through the guidelines given by UG Executive committee and incorporated the changes as suggested in the UG curriculum.(Please see Annexure-V)

1. Dr. S.L. Nalbalwar

Dr. S.B. Deosarkar

3. Dr. R.N. Awale

4. Dr. A.B. Nandgaonkar

Dr. Munir Sayyad

Shri Ravindra Kale

Dr. Rajesh Ghongade

8. Dr. Y.H. Dandawate

B. Tech Course Structure

Biomedical Engineering

	S.	Semester III				
Sr.	Subject	Subject		Teaching	Scheme	
No.	Code	20 20 0 10 10 10 10 10 10 10 10 10 10 10 10	L	T	P	C
1	BM301	Mathematics for Biomedical Engineering	4	0	0	4
2	BM302	Basics of Human Anatomy and Physiology-I	3	0	0	3
3	BM303	Biomedical Transducers	3	1	0	4
4	BM304	Analog and Digital Circuits	3	0	0	3
5	BM305 (ELE-I)	Communication Circuits and Systems	3	0	0	3
	7.809 G.451:50:50	Biomedical Laser Instrumentation	on			
		Nuclear Medicine				
6	BML306	Analog and Digital Circuits Lab	0	0	2	1
7	BML307	Biomedical Transducers Lab	0	0	2	1
8	BM308	Skill Set I	0	0	2	1
	90000 00000 0000 0000 0000 0000 0000 0	TOTAL	16	1	6	20

		Semester IV						
Sr.	Subject	Subject	1	eaching	Schem	e		
No.	Code		L	T	P	C		
1	BM401	Numerical Methods in Biomedical Engineering	4	0	0	4		
2	BM402	Basics of Human Anatomy and Physiology-II	3	0	0	3		
3	BM403	Fundamentals of Signals and Systems	3	1	0	4		
4	BM404	Medical Instrumentation	3	0	0	3		
5	BH	Basic Human Rights	2	0	0	2		
	1	Radiotherapy Equipment's	3	0	0	3		
6	BM405 (ELE-II)	Medical Radiation Safety Engineering					42,00	Value
	122 13	Quality Control and Regulatory Aspects in Medical Devices						
7	BML406	Medical Instrumentation Lab	0	0	2	1		
8	BM407	Skill Set II	0	0	2	1		
	113	TOTAL	18	1	4	21		

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	dit of	Semester V					
Sr. Subject		Subject	Teaching Scheme				
No.	Code	110000000	L	T	P	C	
1	BM501	Mathematics for Medical Imaging	4	0	0	4	
2	BM502	Digital Signal Processing	3	1	0	4	
3	BM503	Microprocessors and Microcontrollers	3	0	0	3	
4	BM504	Biomedical Diagnostic Systems	3	0	0	3	
5	BM505	Introduction to Biomedical System Standards and Protocols	3	0	0	3	
6	BM506 (ELE-III)	Troubleshooting of Medical Instruments Hospital Engineering Telemedicine and Picture Archival	3	0	0	3	
		Communication System (PACS)					
7	BML507	Digital Signal Processing Lab	0	0	2	1	
8	BML508	Microprocessors and Microcontrollers Lab	0	0	2	1	
9	BM509	Skill Set III	0	0	2	1	
		TOTAL	19	1	6	23	

	TV-00-00-00-00-00-00-00-00-00-00-00-00-00	Semester VI			-5000		
Sr. Subject		ibject Subject	Teaching Scheme				
No.	Code	(1)2-2	L	T	P	C	
1	BM601	Fluid Mechanics	3	1	0	4	
2	BM602	Control Systems	3	0	0	3	
3	BM603	Healthcare Management	3	0	0	3	
4	BM604	Advanced Biomedical System Standards and Protocols	3	0	0	3	
5	BM605	Biomaterials and Artificial Organs	3	0	0	3	
6	BML606	Fluid Mechanics Lab	0	0	2	1	
7	BML607	Control Systems Lab	0	0	2	1	
8	BM608	Mini Project	0	0	2	1	
9	BM609	Industrial Training-I	0	0	2	1	
	MACONIERSO	TOTAL	15	1	8	20	

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	V.Pool-Vo	Semester VII			11200	
20 C C C C C C C C C C C C C C C C C C C	Subject	Subject	Teaching Schem			
No.	Code		L	T	P	C
1	BM701	Biomedical Image Processing System and Analysis	3	1	0	4
2	BM702	Rehabilitation Engineering	3	1	0	4
3	BM703	Embedded Systems and RTOS	3	0	0	3
4	BM704 (ELE-IV)	Advanced Medical Imaging Systems	3	0	0	3
	5000-0400041	Advanced Diagnostic and Surgical Equipments				
		Hospital Radiopharmacy				
5	BM705 (ELE-V)	Regulatory Aspects In Biosciences	3	0	0	3
	(2001) (1000) (1000)	Home Medicare Technology				
		Design & Development of Medical Devices			- C	
6	BM706	Industrial Training-II (Training to be undergone after VI Semester)	0	0	2	1
		TOTAL	15	2	2	18

		Semester VIII							
Sr.	Subject Subject		ng Sche	Scheme					
No.	Code	SAMPLE SA		L	T	P	C		
1	BM801	Applied Optoelectronics in Medicine		3	0	0	3		
	(ELE-VI)	E-VI) Biomedical MEMS and Nanotechnolog	logy						
	0.0000000000000000000000000000000000000	Applied Neural Networks and Fuzzy Logic in Medicine	8						
2 BM802 (ELE-VII)	BM802 (ELE-VII)	Artificial Intelligence and Pattern Recognition in Medicine		3	3	3	0	0	3
		Brain-Computer Interface							
		Electro Physiology For Human Syste	m						
		Biophotonics	2000-0						
3	BM803	Major Project		0	0	24	12		
		TO	ΓAL	6	0	24	18		

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		Elective-I	To the second			
Sr.	Subject	Subject		Teaching Sche		eme
No.	Code	17.	L	T	P	(
1	ELE-I	Communication Circuits and Systems	3	0	0	3
2		Biomedical Laser Instrumentation	3	0	0	3
3		Nuclear Medicine	3	0	0	3
200		Elective-II			-1.00	-
4	ELE-II	Radiotherapy Equipment's	3	0	0	3
5		Medical Radiation Safety Engineering	3	0	0	3
6	1	Quality Control and Regulatory Aspects	3	0	0	3
		in Medical Devices	1,9571			
		Elective-III				
7	ELE-III	Troubleshooting of Medical Instruments	3	0	0	3
8	-	Hospital Engineering	3	0	0	3
9		Telemedicine and Picture Archival	3	0	0	3
		Communication System (PACS)				
		Elective-IV				
10	ELE-IV	Advanced Medical Imaging Systems	3	0	0	3
11		Advanced Diagnostic and Surgical	3	0	0	3
33		Equipments	S	522	100	100
12		Hospital Radiopharmacy	3	0	0	3
		Elective-V			1150	
13	ELE-V	Regulatory Aspects In Biosciences	3	0	0	3
14		Home Medicare Technology	3	0	0	3
15	1	Design & Development of Medical	3	0	0	3
		Devices	8		7.7	.3
	*	Open Elective-I		7.	W	
16	ELE-VI	Applied Optoelectronics in Medicine	3	0	0	3
17		Biomedical MEMS and Nanotechnology	3	0	0	3
18	1	Applied Neural Networks and Fuzzy	3	0	0	3
000		Logic in Medicine	20	1000	170	325
	1	Open Elective-II				
19	ELE-VII	Artificial Intelligence and Pattern	3	0	0	3
420	ASSESS: V. R.E.	Recognition in Medicine	-			
20		Brain-Computer Interface	3	0	0	3
21		Electro Physiology For Human System	3	0	0	3
22		Biophotonics	3	0	0	3
	4	Open Elective-III		77		
23	ELE-VIII	Biomechanics	3	0	0	3
24		Computational Fluid Dynamics analysis	3	0	0	3
7.5		in Medicine	100	1000	100	100
25	1	Physiological Modeling	3	0	0	3
26	+	Robotics and Automation in Medicine	3	0	0	3

Num Capel (2)103/10

Date: 5/5/2018

To

The Registrar,

Dr. B.A.T.U. Lonere.

Subject: Minutes of BoS in E & TC Engineering held on 5th May, 2018

Dear Sir,

Please find attached herewith minutes of Board of Studies (BoS) in Electronics and Telecommunication Engineering held during 5th May 2018

You are requested to put-up recommendations of BoS before ensuing meeting of Academic Council for its approval.

Yours sincerely,

Dr. S.L. Nalbalwar) Chairman, BoS in E & TC

Minutes of the Meeting of BoS in E & TC

BoS meeting of E & TC Engineering was held during on 5th May, 2018 in the department of E & TC Engineering at 10.30 am.

Agenda for the meeting was as follows:

 Recommendation of Course Structure and Course Curriculum for following UG Programmes

Sr. No.	UG Programme (B.Tech)	
1	Electronics & Telecommunication	
2	Electronics Engineering	
3	Biomedical Engineering	

- 2. Recommendation of PEOs, POs, Course Objectives. Course Outcomes and their mapping
- 3. Mapping of recommended curriculum with NPTEL, SWAYAM and MOOC courses
- Recommendation of minor corrections in course contents and addition of Elective courses in the M.Tech programmes
- 5. Any other point with permission chair

Following Members were present for the meeting:

- I. Dr. S.L. Nalbalwar, Head Dept. of E&TC and Chairman, Board of Studies
- 2. Dr. S.B. Deosarkar, Professor of E & TC
- 3. Dr. A.B. Nandgaonkar, Associate Professor of E & TC
- 4. Dr. Munir Sayyad, Asst.Vice-President, Reliance Jio, Mumbai.
- Dr. Ulhas B. Shinde, Principal, CSMSS CHH Shahu College of Engineering Aurangabad
- 6. Dr. R.M. Autee, Deogiri Institute of Engineering & Management Studies, Aurangabad

Following members could not attend the meeting; however they have given concurrence for the said changes in the syllabus over telephonic conversation;

- 1. Dr. D.S. Bormane, Principal, CoE, AISSM. Pune
- 2. Dr. R.N. Awale , VJTI Mumbai
- Dr Ulhas Shiurkar, Director, Deogiri Institute of Engineering & Management Studies, Aurangabad

1. Recommendation of Course Structure and Course Curriculum for following UG Programmes

Sr. No.	UG Programme (B.Tech)	Remark
1	Electronics & Telecommunication	BoS recommended Course Structure and Course Contents from 3 rd semester-8 th Semester. Also recommended the same course contents for Basic Electronics. Please find Annexure-I
2	Electronics Engineering	BoS recommended Course Structure and Course Contents from 3 rd semester-8 th Semester. Also recommended the same course contents for Basic Electronics. find Annexure-II
3	Biomedical Engineering	BoS recommended no change in the Course Structure and Course Contents for the Biomedical Engineering Programme.

Curriculum for the above mentioned UG programmes from 3rd semester to 8th semester have been thoroughly discussed and decided in the meeting. While deciding the courses of these semesters, syllabi of Pune University, Mumbai University, IITs, UGC guidelines, AICTE model curriculum & guidelines as well as recent development in technology & requirement of industries are taken into account. Finally course structure and course content up-to final year are prepared and recommended by the BoS in this meeting.

Please see Annexures - I and Annexures -II for details of B.Tech (E & TC) and B.Tech. (Electronics)

2. Recommendation of PEOs, POs, Course Objectives, Course Outcomes and their mapping

BoS recommended to continue with the same PEOs, POs, Course Objectives and Course Outcomes. Also recommended that, the Course Objectives and Course Outcomes for the additional courses.

3. Mapping of recommended curriculum with NPTEL, SWAYAM and MOOC courses

Recommended the mapping of proposed courses with online courses available with above platform

Recommendation of minor corrections in course contents of following courses and addition of Elective courses in the M.Tech programmes

Two additional Elective courses namely

- a. Recent Trends and Technologies
- b. Radio Spectrum Management

are recommended by BoS as Elective-I and Elective -IV and being added in the first and second semester of all PG programmes.

Also curriculums all PG streams of Electronics from 1st semester to 4th semester have been thoroughly revisited and minor corrections in the course contents have been recommended by BoS.

Sr. No.	Course Name	Course Code in EXTC	Remark	
1	Signal Theory	MTETC101	Minor corrections in the course contents. All these changes in	
2	Signal Processing Algorithms & Applications	MTETC103		
3	Estimation and Detection Theory	MTETC201	the respective course will be applicable to	
4	Information Theory & Coding	MTETC202		
5	Multirate Digital Signal Processing	MTETE233	all respective M.Tech programmes under BoS in E & TC.	
6	IOT	MTETE255		

It is also recommended that student has to choose Project Management and Intellectual Property Rights course either from NPTEL/MOOC/SWAYAM pool and submission of course completion certificate is mandatory. If single course is not available, students have to submit the certificate of Project Management and Intellectual Property Rights separately.

Please see Annexure-III for the details.

5. Any other point

a) Recommendation for online courses

Discussion on mapping of proposed courses with courses from NPTEL/MOOC/SWAYAM/edx pool is carried out. It is observed that, most of the courses are mapped with proposed courses. BoS recommended for online registration of available courses by students from any of the above platform in place of courses proposed in the curriculum. Grades of these online courses will be taken as it is, if certificate is submitted by the candidates.

- b) Powers have been delegated to the Chairman for making the normal changes if needed that is, addition of electives, shifting of courses, addition of courses, course contents etc.
 - Dr. S.L. Nalbalwar, Head Deptt. of E&TC and Chairman, Board of Studies
 - Dr. S.B. Deosarkar, Professor of E & TC
 - Dr. A.B. Nandgaonkar, Associate Professor of E & TC
 - 4. Dr. Munir Sayyad, Asst. Vice-President, Reliance Jio, Mumbai.
 - Dr. Ulhas B. Shinde, Principal, CSMSS CHH Shahu College of Engineering Aurangabad
 - 6. Dr. R.M. Autee, Deogiri Institute of Engineering & Management Studies, Aurangabad

Circular

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering is called on 26th September, 2018 at 11 am in EDUSAT room.

Agenda for the meeting was as follows:

- A. To finalize the subject codes for core courses, open electives, programme electives, projects, practical, mini-projects, Industrial Training, and Electronics workshop etc
- B. To recommend the list of paper setters, evaluators and moderators for Winter 2018 examination.
- C. To nominate one BoS representative on board of Examination
- D. Review of ordinances of disciplines
- E. Co-opting of Invitees on BoS
- F. Teacher examiner manual for all courses
- G. Adoption of courses recommended by RUSA
- H. Any other point with permission of the Chair.

All are requested to attend the meeting

Chairman, BoS

Copy Submitted to: Hon. Vice-Chancellor

Copy to:

- 1. Dean, Faculty of Engineering & Technology
- 2. All members of BoS
- 3. Registrar
- 4. Controller of Examinations

Minutes of BoS Meeting

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering was held on 26th September, 2018 at 11.00 am in EDUSAT room at Dr. B. A. Technological University Campus, Lonere.

Agenda for the meeting was as follows:

- A. To finalize the subject codes for Core courses, Open electives, Programme electives, Projects, Practical, Mini-projects, Industrial Training/Field Training/ /Internships, and Electronics workshop, etc.
- B. To recommend the list of paper setters, evaluators and moderators for Winter-2018 examination
- C. To nominate one BoS representative on board of Examination
- D. Review of ordinances of disciplines
- E. Co-opting of Invitees on BoS
- F. Teacher reference manual for all courses
- G. Adoption of courses recommended by RUSA
- H. Any other point with permission of the Chair.

The following members were present for the meeting:

Sr. No.	Name of BoS Member	Institute	BoS
1	Dr. S. L. Nalbalwar	Dr. BATU, Lonere	Chairman
2	Dr. R.M. Autee	Deogiri College of Engineering, Aurangabad	Member
3	Dr. S.D. Nawale N. B. Nawale Sinhgad College of Engineering, Solapur		Member
4	Dr. A.D. Sayyed	MIT, CoE Aurangabad	Member
5	Dr. P.J. Deore	R. C. Patel College of Engineering, Jalgaon	Member

A. To finalize the subject codes for Core courses, Open electives, Programme electives, Projects, Practical, Mini-projects, Industrial Training/Field Training /Internships, and Electronics workshop, etc.

Members of BoS discussed the course/subject/discipline codes proposed by examination section (please refer Annexure-I) and recommended codes without any changes for consideration.

After using recommended codes for 3rd and 4th semester, the final course codes for each course are given in Annexure-II.

Bos chairman

Dr. R.M. Antee

Dr. S.D. Marsle Dr. A.D. Some Box Menser Box Member

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B. To recommend the list of paper setters, evaluators and moderators for Winter-2018 examination

Members have gone through database provided by exam section for the said purpose. BoS has discussed and proposed the names of Paper setters, Moderators and Evaluators for the 3rd semester courses in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering (Please see the Annexure-III). Also guidelines for appointment of person as, moderators, paper setters and evaluators have been suggested as follows:

- Teachers having experience of above 10 years may be considered to work as a Moderator
- Teachers having experience of more than or equal to 5 years may be considered to work as a Paper Setter
- All teachers may be considered to work as a Evaluators.

C. To nominate one BoS representative on board of Examination

BoS Unanimously nominated its member Dr. Munir B. Sayyad, Assistant Vice-President, Reliance JIO, Mumbai on Board of Examination.

D. Review of ordinances of disciplines NPIU and AICTE Directives:

BoS member after thorough discussion proposes the adoption of courses offered through SWAYAM/NPTEL/MOOC platform as per willingness of the students. It is also recommended to consider the Grades/Marks given by conducting organization. Number of such courses should not exceed 20% of courses offered by the programme. The courses from said platform should be of at least 8 weeks and 12 weeks duration for earning credits of 2 and 3 respectively.

E. Co-opting of Invitees on BoS:

After looking into curriculum developed for 3 UG and 9 PG programmes, BoS decided to coopt six invitees instead of three. The names of invited members on BoS are as follows;

- Prof. S.B. Deosarkar, Professor of E & TC Engineering, Dr BATU Lonere
- 2. Dr. Munir Sayyad, Asst. Vice-President Reliance JIO, Mumbai
- 3. Dr. A.B. Nandgaonkar, Faculty of BATU Lonere
- 4. BoS Chairman in Electronics Engineering, AKTU, Lucknow or nominated by him/her.
- BoS Chairman in Electronics Engineering, Uttaranchal Technical University, Dehradun or nominated by hith/her.
- 6. BoS Chairman in Electronics Engineering, Himachal Pradesh Technical University,

Hamipur or nominated by him/her.

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F. Teacher reference manual for all courses:

BoS recommended Teacher- reference manual for all courses so as to bring Uniformity in conduction of theory and practical courses in all affiliated institutes and University department. Proposed manual is attached as Annexure-IV. BoS is of the opinion that it should be made mandatory for all courses of Electronics Engineering and it's all allied programmes.

G. Adoption of courses recommended by RUSA:

RUSA has recommended following courses for the discipline of E & TC/Electronics Engineering.

Looking into the need of the hour and after thorough discussion, it is decided to include these courses from IVth semester onwards in the B.Tech curriculum of said courses.

Sr. No.	Name of the Vertical	Name of the Course	Semester	Core /Elective Course
1	Product Design	Product Design Engineering	IV	Core
2	Artificial Intelligence	Artificial Intelligence deep learning	VI	Elective
3	Cyber Security	Cyber Security	VII	Elective
4	Data Analytics	Associate Analytics	VII	Elective
5	Geographical Information System	Geo-informatics and Spatial Computing	VIII	Elective
6	Robotics	E-Yantra	VIII	Elective

H. Any other points, with permission of Chair:

- i. As per Ph.D. rules and regulations Research Methodology is a mandatory course, which offered by all disciplines in even semesters. Looking into this requirement it is proposed to keep said course as an Elective course in odd-semester also. BoS proposes to include this course under Elective-I of first semester M.Tech. programme in Electronics and Telecommunication Engineering and all its allied programmes.
- ii. Since course objectives and course outcomes have been well defined in the curriculum of courses of E & TC and Electronics Engineering, therefore BoS recommends to display Course Outcome(CO) along-with each question in question paper of all courses. This will help to know attainment of learning level of each of the students in respective courses. This information will also be useful for NBA/NAAC accreditation purpose.
- iii. Since Industrial Training/Field Training/Internship was not included in the curriculum of 4th semester of Biomedical Engineering, hence so as follow the mandate of AICTE BoS recommended Field Training/ Internship/Industrial Training (4-6 weeks which can be completed partially in third semester or fourth semester or in at one time).

Powers has been delegated to BoS Chairman for making normal changes if necessary.

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Date: 15/01/2019

Minutes of BoS Meeting

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering was held on 14th -15th January, 2019 in EDUSAT room.

The following members were present for the meeting:

- 1 Dr. S.L. Nalbalwar, Dr. BATU, Lonere
- 2 Dr. S.B. Deosarkar, Dr. BATU, Lonere
- 3 Dr. R.M. Autee, Deogiri Institute of Engineering and Management Studies, Aurangabad
- 4 Dr. S.D. Nawale, N B Nawale Sinhgad College of Engineering, Solapur
- 5 Dr. A.D. Sayyad, Marathwada Institute of Technology, Aurangabad

Following members could not attend the meeting. Leave of absence was granted to them.

- 1. Dr. P.J. Deore, RC Patel Institute of Technology, Shirpur
- 2. Dr. A.B. Nandgaonkar, Dr. BATU Lonere
- 3. Dr. Munir Sayyed, Reliance Jio, Mumbai
- 4. Dr. Sachin Singh, AKTU Luckhnow
- 5. Dr. Vinay Kumar, HPTU, Hamirpur

The following points were discussed and finalized during the meeting of BoS held on 14-15 January, 2019.

Finalization of the curriculum of 1st and 2nd Year B. Tech programs (all four semesters).

The curriculum structure and detail syllabus for UG programs in Electronics and Telecommunication Engineering, Electronics Engineering and Biomedical Engineering have been finalized and recommended for considerations of Academic Council. The minor changes in credits and course contents in the course "Product Design Engineering" are incorporated as per directives Hon, Vice Chancellor (NO.FoET/2018/01).

Recommendation of final structure for the third year and final year UG programs as discussed in the Faculty of Engineering Meeting.

The course structure along-with detail syllabus for the third year and only course structure for final year of B.Tech programs in Electronics and Telecommunication Engineering, Electronics Engineering and Biomedical Engineering is recommended by BoS.

 The BoS Recommended and resolved for nomination of expert on Faculty as per modified statutes (S3.10(d) PP 71). As per the S3.10 (d), BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering there is a provision to nominate one faculty amongst the institutions those are satisfying norms. The BoS has resolved and recommendation following faculty member on the faculty board as a nominee

- 1. Dr. Jagdish Jadhav, RC Patel Institute of Technology, Shirpur
- 4. The BoS suggested minor corrections in Rules and Regulations and modified Statutes

BoS members discussed over this agenda point and conveyed few suggestions to Dean, Faculty of Engineering.

- Any other point with permission of chair.
 - A. For M.Tech Course on IPR/ Project Management, weightage under TW and PR heads are removed and replaced by only theory (TH) head without changing the total marks.
 - B. BoS members delegated powers to the BoS Chairman for small corrections like Course Codes, addition Electives, corrections in examination scheme and credits, credit distributions, if necessary.

Meeting ended with thanks to chair.

Date: 30/05/2019

Circular

Subject: Meeting of BoS on 30th May, 2019

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering is called on 30th May, 2019 at 11 am in EDUSAT room.

The Agenda for the meeting is as follows

- The curriculum of the Second Year Electronics and Communication Engineering Sandwich Programme
- Course content of final year Electronics & Telecommunication Engineering and Electronics Engineering
- 3. Finalization course structure for Electronics & Communication Engineering
- 4. Credit transfer facility for AKTU/HPTU/UTU Universities
- 4. Any other point with the permission of the chair.

Chairman, BoS in E & TC

To

All BoS Members

Minutes of BoS Meeting

Meeting of BoS in Electronics & Telecommunication Engineering, Electronics Engineering and Biomedical Engineering was held on 30th May, 2019 at 11 am in EDUSAT room.

The Agenda for the meeting was as follows:

- To recommend the curriculum for Second Year Electronics and Communication
 Engineering Sandwich Programme
- Finalization of course content of final year B.Tech programme in Electronics & Telecommunication Engineering and Electronics Engineering
- Finalization of course structure and Curriculum for B. Tech programme Electronics & Communication Engineering
- 4. Discussion credit transfer facility for AKTU/HPTU/UTU Universities
- Any other point with the permission of the chair.

The following members were present for the meeting:

- 1. Dr. S.L. Nalbalwar, Dr. BATU, Lonere, Chairman BoS
- 2. Dr. S.B. Deosarkar, Dr. BATU, Lonere, Member
- 3. Dr. Sachin Singh, AKTU Luckhnow, Invited Member
- 4. Dr. VinodKapoor, HPTU, Hamirpur (Participated on Skye), Invited Member
- 5. Dr. Ashish Bagwari, UTU, Dehradun (Participated on Skype), Invited Member
- 6. Dr. R.M. Autee, DIEMS, Aurangabad, Member
- 7. Prof. Ravindra Gahane, NCER, Talegaon, Invited Member
- 8. Prof. Neeta P. Karhadkar NCER, Talegaon, Invited Member

Following members could not attend the meeting. Leave of absence was granted to them.

- 1. Dr. A.B. Nandgaonkar, Dr. BATU Lonere
- Dr. Munir Sayyed, Reliance Jio, Mumbai
- 3. Dr. S.D. Nawale, N B Nawale Sinhgad College of Engineering, Solapur
- 4. Dr. P.J. Deore, RC Patel Institute of Technology, Shirpur
- 5. Dr. A.D. Sayyad, Marathwada Institute of Technology, Aurangabad

The following points were discussed and finalized in the meeting of BoS:

- The course structure along-with detail syllabus for the second year Sandwich course in Electronics and Communication Engineering is approved & recommended by BoS. (Annexure-I)
- Course content of final year B.Tech in Electronics & Telecommunication Engineering (E & TC) and Electronics Engineering is finalized by the BoS and recommended for approval of Academic Council.
 (Annexure-II)
- 3. As far as course structure and detail syllabus for UG programs in Electronics and Communication Engineering is concerned, it is discussed and decided to keep the same curriculum of second and third year of E & TC Engineering programme to Electronics and Communication Engineering programme.
- 4. BoS has discussed at a length on credit transfer facility among the Mentees and Mentor Universities. BoS recommended this facility, for the courses which are having same course contents and similarities in the course name which is available in each of these Universities.

BoS members delegated powers to the BoS Chairman for corrections like Course Codes, addition of Electives, corrections in examination scheme and credits, credit distributions, credit transfers if necessary.

Meeting is ended with thanks to the chair.

Minutes of Meeting

BOS Electronics and Telecommunication and allied Branches

Date: 16th June, 2020, Time: 3.30pm

Mode; Through Video Conferencing

- First year to final year syllabus for effective from Academic Year 2020-2021 batch in the following disciplines (Starting from FY)
 - a. Electronics Engineering
 - Electronics & Telecommunication Engineering
 - e. Electronics & Communication Engineering
 - d. Electronics & Communication Engineering (sandwich)
 - e. Biomedical Engineering

is recommended to by BOS to academic council for its approval.

- Modification of 8th semester of existing curriculum is done to introduce self-study courses and internship programme for full semester in the following disciplines:
 - a. Electronics Engineering
 - b. Electronics & Telecommunication Engineering
 - e, Electronies & Communication Engineering
 - d. Electronics & Communication Engineering (sandwich)
 - e. Biomedical Engineering

The revised structure is recommended to academic council for its approval.

- BOS chairman will decide one online course for each semester for existing syllabus except 1st, 3rd and 7th semester. BOS chairman will decide whether to introduce that course in online mode or off line mode depending upon the situation at that time.
- If 60 to 80 percentage mapping is available with MOOC platform for the curriculum courses, then such courses shall be introduced for self-study in online mode.
- Two major NPTEL / SWYAM specialization A1 and ML / IOT and Minor in Electronics and Telecommunication with structure and detail syllabus are recommended by BOS. Student shall opt this course in online mode from NPTEL / SWYAM and credit transfer will be done directly by the university.
- Two major Coursera specialization AI and ME / IOT with structure and detail syllabus are recommended by BOS. For these specialization evaluation scheme will be 60/40, 40 marks will be for continuous assessment and 60 marks for end semester examination conducted by university.

Monthan

Dr. Babasaheb Ambedkar Technological University Lonere Department of Mechanical Engineering Board of Studies

Minutes of Meeting-4

Date: May 3, 2018

The fourth meeting of BoS was held on May 3, 2018 at 11.00 am in the Conference Hall of DBATU Lonere. Following members attended the meeting:

- 1. Dr. M. Sadaiah, Chairman
- 2. Mr. Anand Chapekar, Member
- 3. Dr. M. S. Tandale, Member
- 4. Dr. V. G. Sargade, Member
- 5. Prof. R. S. Pawade, Co-opted Member
- 6. Prof. H. N. Warhatkar, Co-opted Member
- 7. Dr. Sanjeev Suryawanshi, Invitee
- 8. Mr. Aninash V. Patil, Invitee
- 9. Dr. H. A. Mandave, Invitee
- 10. Mr. V.L. Mundhe, Invitee
- 11. Dr. S. V. Lahane, Invitee
- 12. Mr. Prakash G. Taur, Invited
- 13. Dr. P. U. Zine, Invitee

Following members could not attend the meeting:

- L. Dr. V.K. Suri
- 2. Dr. M.S. Kale
- 3. Shri R.P. Javale

Following points were discussed:

Item No. 1 To finalize the course structures for the following U.G. Programmes

- i. B. Tech, Mechanical Engineering
- ii. B. Tech. Production Engineering
- iii. B. Tech. Automobile Engineering

The course structures for the U.G. programmes viz. B. Tech. Mechanical Engineering (Annexure-I), B. Tech. Production Engineering (Annexure-II), and B. Tech. Automobile Engineering (Annexure-III), were put up for the approval of BoS.

BoS approved the same and recommended for the final approval of the Academic Council of the University.

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Item No. 2 To approve the syllabi for the first and second year courses of the following B. Tech. programmes:

- a. B. Tech. Mechanical Engineering
- b. B. Tech. Production Engineering.
- c. B. Tech. Automobile Engineering

The syllabi for all the courses in the First and Second year B. Tech. programmes in Mechanical Engineering (Annexure-IV), Production Engineering (Annexure-V), and Automobile Engineering (Annextare-VI), were put up for the approval of BoS,

BoS approved the same and recommended for the final approval of the Academic Council of the University.

Item No. 3 To approve minor changes in the curriculum of M. Tech. programmes

- · The course structures and syllabi for following Thermal Engineering related P.G. Programmes (Annexure-VII) were combined and made uniform:
 - a. M. Tech. Thermal Engg.
 - b. M. Tech. Thermal and Fluids Engg.
 - c. M. Tech. Heat Power Engg
 - d. M. Tech. Thermal and Heat Power Engg.
- · The course structures and syllabi for following Manufacturing Engineering related P.G. Programmes (Annexure-VIII) were combined and made uniform:
 - M. Tech. Manufacturing Engg.
 - b. M. Tech. Manufacturing Engg. Processes
 - c. M. Tech. Manufacturing Process Engg.
 - d. M. Tech. Mechanical Production Engg
- · The elective courses were divided into four different groups as Electives-I & II (Semester-I) and Electives-III & IV (Semester-II)
- . The number of elective courses was reduced in each group.
- The course codes were updated appropriately.

The revised course structures of remaining P. G. programmes viz. M. Tech. in Design Engg. (Annexure-IX), M. Tech. in CAD/CAM (Annexure-X), M. Tech. in Automation Engg. (Annexure XI), M. Tech. in Computer-aided Analysis and Design (Annexure-XII), and M. Tech, in Mechanical Engineering (Annexure XIII) along with the M. Tech, programmes under Thermal and Manufacturing Engineering were put up for the approval of BoS.

BoS approved the same and recommended for the final approval of the Academic Council of the University.

The meeting ended with thanks to the Chair.

Dr. Sadaiah Mudigond Head

Department of Mechanical Engineering Dr.Babasaheb Ambedkar Technological University

Dr. V. G. Sargade Membe Secretary

Dr. Babasaheb Ambedkar Technological University Lonere Department of Mechanical Engineering Board of Studies Minutes of Meeting-2

Date: February 4, 2019

The second meeting of BoS was held on February 4, 2019 at 11:30 am in the office of Vice-Chancellor of DBATU Lonere.

Following members attended the meeting:

- 1. Dr. M. Sadaiah, Chairman
- 2. Dr. V. G. Sargade, Member
- 3. Dr. A Kumaraswamy, Member
- 4. Dr. A. N. Chapgaon, Member

Following invitees attended the meeting:

- 1. Dr. Rahul Barjibhe, Invitee
- 2. Dr. Sanjeev Suryawanshi, Invited
- 3. Dr. Dilip Pangavhane, Invitee
- 4. Dr. R. D. Patil, Invitee

Following member could not attend the meeting and leave of absence was granted:

1. Dr. P. B. Maheshwary, Member

Following points were discussed and decisions were taken:

Item No. 1 To recommend the curriculum of first and second year B. Tech. Programs (for all four semesters) in its final form

The curriculum of the first and second year B. Tech. programs in Mechanical Engg., Production Engg., and Automobile Engg. was already approved and is in force.

However, following points were brought to the notice:

- In the second semester, there is a course called Mini Project. The detailed guidelines for this course are not available. Hence, it was resolved that following guidelines should be followed for this course:
 - There should be a group of 2 3 students in one Mini Project.
 - Students should make a working model of a small engineering device and demonstrate its functioning.
 - Students may take help from the useful web sources like 'Do it yourself' for getting the ideas.

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- Students should write a brief report on the Mini Project consisting of 5 6 pages and submit in a file.
- It was brought to the notice that the teaching load of the course on Engg. Mathematics
 need to be balanced in two semesters. This is required to ensure that the teaching load
 for the faculty is available in both the semesters. It was resolved that any change in
 the course structure is possible only in the next cycle of revision of the syllabi, since
 the current structure is already being implemented.
- In the fourth and fifth semesters, the theory and laboratory courses on Product Design Engg have been included. Also, the contents have been elaborated. Hence, it was decided that the latest version of the curriculum of the above programs must be uploaded on the website for the information and necessary action by all the concerned.

The final form of curriculum of first and second year B. Tech. Programs in Mechanical Engg. (Annexure-I), Production Engg. (Annexure-II), and Automobile Engg. (Annexure-III) was approved and recommended for the final approval to the Academic Council.

Item No. 2 To recommend the course structure and syllabi for third year B. Tech. Programs

The proposed course structures and syllabi for third year B. Tech. programs in Mechanical Engg., Production Engg., and Automobile Engg. were discussed.

Following points were brought to the notice:

- There are two courses related to thermal engineering in the fifth semester of B. Tech.
 Program in Mech. Engg. The courses on different specializations in Mech. Engg.
 should be evenly distributed in different semesters to ensure that teaching load is also evenly balanced. However, it was resolved that such balancing can be done only in the next cycle of revision of syllabi.
- The evaluation of audit courses should be clearly defined. It was decided that the
 evaluation will be carried out by the concerned teacher in the same way of evaluation
 of credit courses. However, there will not be University-level examinations. But, the
 concerned teachers must evaluate the course exactly like a credit course with more
 emphasis on student presentations on various topics of the relevant course.

The course structure and syllabi for third year B. Tech. Programs in Mechanical Engg. (Annexure-IV), Production Engg. (Annexure-V), and Automobile Engg. (Annexure-VI) were approved and recommended for the final approval of Academic Council.

Item No. 3 To recommend the course structure and syllabi for final year B. Tech. Programs

The proposed course structures and syllabi for final year B. Tech. programs in Mechanical Engg., Production Engg., and Automobile Engg. were discussed.

Following points were brought to the notice:

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- Prof. Dr. Dilip Pangavhane suggested that Elective course of 'Vehicle Architecture and Packaging' should be included in the seventh semester of B. Tech. Program in Automobile Engg.
- In the context of internship in the eighth semester, there should be clear guidelines related to following points:
 - Is the student required to complete only the Internship in the industry or s/he is also required to take all the courses as Audit courses in that semester?
 - > What should be the nature of the project in the industry to fulfill the requirements of B. Tech. project in lieu of the theory courses in the eighth semester?
 - > What should be the criteria to permit the students for completing the internship in the industry?
 - > What about the evaluation pattern for the students who are opting for industrial internship? The students who are not opting for the internship will be evaluated at the end of seventh and eighth semesters in two stages.

Hence, it was decided that the course structure and syllabi for final year B. Tech. Programs. will be finalized in the next meeting of BoS.

Item No. 4 To nominate one representative of BoS as expert on Faculty as per modified statutes [S3.10 (d) PP 71]

Dr. V. G. Sargade was recommended by BoS in Mechanical/Production/Automobile Engineering to be considered for the nomination on Faculty of Engg, and Technology.

Item No. 5 To review the University Rules and Regulations and modified Statutes for providing suggestions

It was opined that there are no suggestions in the University Rules and modified statutes to be forwarded to Academic Council.

The meeting ended with thanks to the Chair.

Dr. V. G. Sasgede Member secretary

Se dy/02/2019 ur. Sadaiah Mudigonda Head

Department of Mechanical Engineering Dr. Babasaheb Ambedhar Technological University Lonere, Tai Mangaon, Dial Rangas 42191, Maharashira

Dr. Babasaheb Ambedkar Technological University Lonere Department of Mechanical Engineering

Board of Studies Minutes of Meeting-2

Date: March 24, 2017

The second meeting of BoS was held on March 24, 2017 at 11.00 am at DBATU Lonere. Following members attended the meeting:

- 1. Dr. M. Sadaiah, Chairman
- 2. Mr. Anand Chapekar, Member
- 3. Dr. M. S. Tandale, Member
- 4. Dr. V. G. Sargade, Member

Following members could not attend the meeting:

- 1. Dr. V.K. Suri
- 2. Dr. M.S. Kale
- 3. Shri R.P. Javale

Following points were discussed:

Item No. 1 To approve the structure and syllabus for B. Tech. programme in Mechanical Engineering

- The structure and syllabus for all the courses in the Second, Third, and Final year B.
 Tech. programme in Mechanical Engineering (Annexure-I) including COs and their mapping with POs were put up for the approval of BoS.
- BoS approved the same and recommended for the final approval of the Academic Council of the University.

Item No. 2 To approve the structure and syllabus for M. Tech. programmes in Manufacturing Engineering and Thermal & Fluids Engineering

- The structure and syllabus for all the courses in the First and Second year M. Tech. programme in Manufacturing Engineering (Annexure-III) and M. Tech. programme in Thermal & Fluids Engineering (Annexure-III) including COs and their mapping with POs were put up for the approval of BoS.
- BoS approved the same and recommended for the final approval of the Academic Council of the University.

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Item No. 3 To approve the structure and syllabus for UG programmes in allied branches

- The structures for B. Tech. programmes in Automobile Engineering and Production Engineering were presented.
- It was decided that the expert members in the respective disciplines should be coopted
 and with their help the structure and syllabi for all the allied branches should be
 finalized.

Item No. 4 To co-opt additional members

 It was decided to co-opt the following members from academia and industry to finalize the structure and syllabi for all the allied branches:

Sr. No.	Programme	Member from Academia	Member from Industry/Research Organization
1	B. Tech. in Production Engg.	Dr. R. S. Pawade, DBATU	Mr. Ram Deshpande, Semor General Manager & Head, Engineering and R&D, KSPG Automotive, Pune
2.	B. Tech. in Automobile Engu.	Prof. S. G. Pawar, Adjunct Professor in Automobile Engg., CoE., Pune	L. Mr. V. S. Gogate, Pune 2. Prof. K. P. Wani, ARAI Pune
3.	M. Tech. in Design Engg.	Dr. H. N. Warhatkar, DBATU	

Item No. 5 Any other point

 To suggest amendments in the structure and syllabi of the First year B. Tech. Programmes:

It is noticed that the Laboratory courses are not shown separately in the structure of the first year B Tech Programmes. Also, the COs and their mapping with POs of the respective programmes are not available for any course. Hence, it was decided to suggest the amendments to be made in the existing syllabi of the First year B. Tech. Programmes,

BoS recommended these amendments for the final approval of the Academic Council of the University.

The next meeting of the BoS will be held on April 7, 2017 at DBATU Longre.

The meeting ended with thanks to the Chair.

Dr. V. G. Sargale Member secretary Dr.Sadaiah Mudigonda
Head
Department of Mechanical Engineering
Dr.Babasaheb Ambedkar Technological University
Loome, Tal Mangacon, Dist. Raigad Waste Math.

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Dr. Babasaheb Ambedkar Technological University Lonere Department of Mechanical Engineering

Board of Studies Minutes of Meeting-1

Date: September 27, 2018

The first meeting of BoS was held on September 27, 2018 at 11:00 am in the Conference Hall of DBATU Lonere. Following members attended the meeting:

- 1. Dr. M. Sadaiah, Chairman
- 2. Dr. V. G. Sargade, Member
- 3. Dr. A Kumaraswamy, Member
- 4. Dr. A. N. Chapgaon, Member
- 5. Dr. P. B. Maheshwary, Member

Following persons were nominated as invitees and also attended the meeting:

- 1. Dr. Rahul Barjibhe, Invitee
- 2. Dr. Sanjeev Suryawanshi, Invitce

Following person nominated as invitee but could not attend the meeting and leave of absence was granted:

1. Dr. R. D. Patil

Following points were discussed and decisions were taken:

Item No. 1 To prepare the list of Chairman and Paper setters for each course in the following U.G. and P.G. Programmes for the first and second year.

- i. B. Tech. Mechanical Engineering
- ii. B. Tech. Production Engineering
- iii. B. Tech. Automobile Engineering
- M. Tech, programmes in Manufacturing Engg, Design Engg., CAD/CAM, Thermal Engg, groups

A committee of following members was constituted for this purpose:

- Dr. M. Sadaiah, Chairman of BoS
- . Dr. V. G. Sargade
- Dr. P. B. Maheshwary

The list of Chairman and Paper Setters, Moderators, and Evaluators for the above U.G. programmes (Annexure-II), and P.G. programmes (Annexure-II), was put up for the finalization by BoS.

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BoS finalized the same and recommended for the approval of the Board of Examinations of the University.

Item No. 2 To nominate one representative of BoS on the Board of Examinations

Dr. V. G. Sargade was recommended by BoS in Mechanical/Production/Automobile Engineering to be considered for the nomination on BoE.

Item No. 3 To review the University Ordinances for providing suggestions

It was decided that all the members and invitees will study the Ordinances and come up with suggestions in the next meeting.

Item No. 4 To finalize the course code and credits for Ph D courses

- Research Methodology: Course Code: PH RM 001, No. of Credits: 3
- PhD Seminar: Course Code: PH 00 2S, No. of Credits: 4

BoS approved the above course codes and credits.

Item No. 5 To recommend a Textbook written by Dr R. S. Pawade on "Energy and Environmental Engineering" Synergy Publications

It was suggested that the Textbook may please be placed before the BoS in the next meeting for the consideration. A complimentary copy of the book should be sent to all the members so that they can go through the contents and take the final decision.

Item No. 6 To discuss about the Teacher-Students-Examiner Manual

The members discussed the contents of the proposed Teacher-Students-Examiner Manual and it was opined that the same may be recommended for the further approval. It was suggested that there should also include Course Outcomes and Programme Outcomes. Moreover, it should be modified every year by incorporating the suggestions received from the teachers.

The meeting ended with thanks to the Chair.

Dr. Sadalah Mudina

Department of Mechanical Engineering Dr. Babasaheb Junbedkar Technological University Lonere, Tal Mangson, Dist Raignd 40100, Mahoraehtra

Dr. V. Gr. Sargade Member secretary

Dr. Babasaheb Ambedkar Technological University, Lonere Board of Studies in Civil Engineering

Date: 17-06-2020

A meeting of Board of Studies in Civil Engineering was called on Wednesday June 17th, 2022 at 12:00 noon in **Online mode**. The Chairman (BoS) welcomed all the members and presented the meeting agenda. Following points were discussed:

- i. Content of Infrastructure Engineering syllabus was revised and restructured.
- ii. Content of Docks and harbour, and Airport engineering modules was merged in a single module.
- iii. As per the suggestions received from the BoS members in the earlier meeting, the module on Bridge Engineering was split in to two modules, namely Substructure, and Superstructure. Also the content of these modules are kept as introductory.

All the members approved the revised syllabus and the modifications in the modules.

Meeting concluded with vote of thanks to the Chairman.

Dr. M.S. Dixit MIT, Aurangabad (Member) Dr. A.R. Kambekar SPCE, Mumbai (Member)

Dr. J. B. Dafedar N K Orchid CoE, Solapur (Member) Dr. S.M. Pore DBATU, Lonere (Member) Dr.S.R. Bhagat DBATU, Lonere (Chairman)

Copy to:

- 1) Hon. Vice-Chancellor, DBATU for information
- 2) Dean (Academics), DBATU for information

Dr. Babasaheb Ambedkar Technological University, Lonere Board of Studies in Civil Engineering

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