



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

Hingna Road, Wanadongri, Nagpur-441 110

NAAC Accredited with 'A' Grade,

Ph.: 07104-242919, 242623, 242588

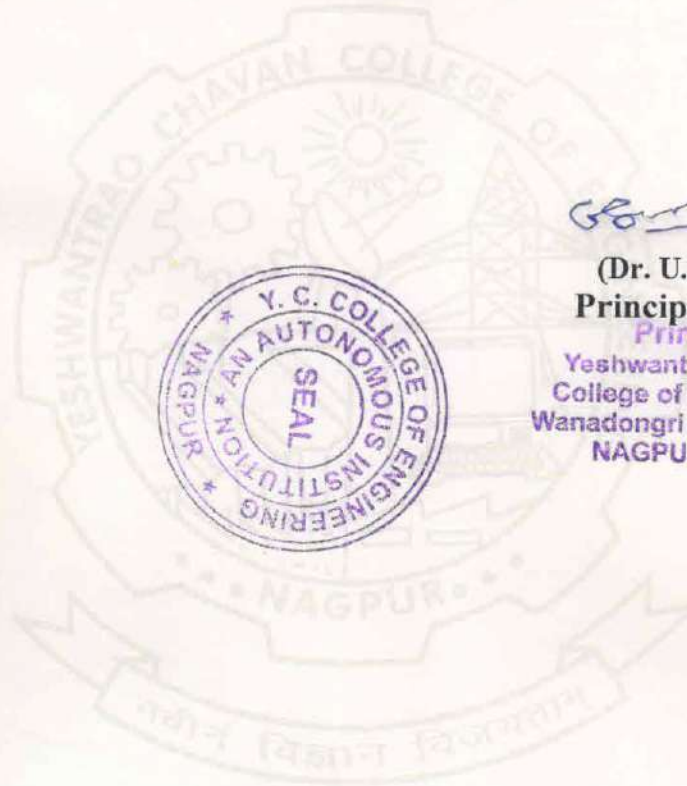
Website : www.ycce.edu E-mail : principal@ycce.edu

2018-19

Summary

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years

- Minutes of Academic Council/BOS meeting
- Details of program syllabus revision in last 5 years



(Dr. U.P. Waghe)

Principal, Y.C.C.E.

Principal

Yeshwantrao Chavan
College of Engineering
Wanadongri Hingna Road,
NAGPUR-441110

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Minutes of 19th meeting of Academic Council held on 25th August 2018

The **Nineteenth meeting** of Academic Council was held on **25th August 2018** at 11.00 am in the Board Room of YCCE, Nagpur. The following members attended the meeting.

1	Dr. U.P. Waghe, Principal & Chairman	12	Prof. R.C. Dharmik, HoD, Information Technology
2	Dr. Hemant Hajare, ITM College of Engineering, Nagpur	13	Dr. Mrs. Manjusha P. Gandhi, HoD Mathematics and Humanities
3	Dr. N.G. Bawane, Principal, Jhulelal Institute of Technology, Nagpur	14	Dr. J.R. Ghulghule, HoD Physics
4	Dr. N.C. Shivprakash, I.I.Sc., Bangalore	15	Dr. P.K. Dakhole, Registrar, YCCE
5	Mr. Priyadarshan Kshirsagar, Head Business (IT), Tata Motors Ltd., Pune	16	Prof. Arvind Bhagatpatil, Dean (P & D)
6	Dr. Shantanu R. Khandeshwar, HoD, Civil Engineering	17	Prof. D.R. Raut, COE
7	Dr. Sharad S. Chaudhary, HoD, Mechanical Engineering	18	Dr. M.M. Raghuvanshi, Professor in Information Technology, YCCE
8	Dr. B.Y. Bagde, HoD, Electrical Engineering	19	Dr. A.M. Pande, Professor in Civil Engg, YCCE and Director (R&D)
9	Dr. P.T. Karule, HoD Electronics Engineering	20	Dr. A.V. Patil, Professor, Civil Engineering, YCCE
10	Dr. M.S. Narlawar, HoD, Electronics & Telecommunication Engineering	21	Prof. Aniket P. Munshi, Electrical Engineering, YCCE
11	Prof. Mrs. G.M. Dhopavkar, HoD Computer Technology	22	Dr. A.V. Bapat, Dean (Acad. Mat.) & Member Secretary

Leave of Absence granted to			
1	Dr. Rajesh Pande, Principal, Shri Ramdeobaba College of Engineering and Management, Nagpur	3	Mr. Milind Kank, Managing Director, Yeshshree Industries Ltd., Aurangabad
2	Mr. Sameer Bendre, Chief People Officer, Persistant System Ltd., Nagpur	4	Dr. Mrs. Jyoti V. Miskin, HoD, Chemistry



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Item 19.01: Welcome of New members

The Chairman of the Academic Council, Dr. U.P. Waghe welcomed the members of the Academic Council with floral bouquet.

Item 19.02 To confirm the Minutes of 18th Meeting of the Academic Council and consider the action taken report.

The AC unanimously approved the minutes of Eighteenth meeting of Academic Council held on 24th February 2018 and Action Taken Report thereof.

Item 19.03 To discuss and approve the suggestions of Board of Studies for changes in Schemes of Examination and course contents of Autonomous 2014 scheme for UG and PG Programs

The Chairpersons of various Boards of Studies presented the minutes of the meetings to Academic Council.

The changes proposed by various boards regarding the syllabi of the courses of "Autonomous 2014" scheme as below

❖ Proposed New Courses

The BoS in Civil Engineering has proposed the following new courses.

- 1. Professional Electives-I(Sixth Sem BE)**
PE-I : Construction Engineering & Management
- 2. Professional Elective-III (Seventh Sem BE)**
PE-III Waste to Energy Conversion

❖ The minor changes in the course contents suggested by the BoS as below

Branch	Sem	Course Code & Name
Civil Engg.	8	CV1452: PE- 4: Advanced Surveying
Electrical Engg.	7	EL1431 : PE III: Advanced Control System
	8	EL1433: Renewable Energy Sources
	8	EL1436: PE 4 : Fundamentals of Smart Grid
	5	EL1302: Power Electronics
	6	EL1311: PE 1: Advanced Power Electronics
Electronics Engg.	6	EE1330 OE-II: Biomedical Instrumentation
	8	EE1416: PE 5: Biomedical Instrumentation & Its Applications



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Computer Tech	7	CT1437: PE 3: Parallel Computing
	8	CT1443: PE 4: Internet of Things
	7	CT1454: PE 3: Machine Learning Techniques
Information Tech.	5	IT1307: Computer Graphics
	6	IT1330: Business Intelligence
General Engg	1	Engineering Chemistry

❖ **The changes in the Books suggested by the BoS as below**

Electronics Engg.	6 & 8	EE1330/EE1416: Introduction to Biomedical Instrumentation by Mandeep Singh, PHI Publication.
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❖ **The changes in the Lab Courses (M. Tech IPS) suggested by the BoS as below**

Electrical Engg.	2	EL1919 Lab Renewable Energy Systems
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Issue of MSE / Re MSE was discussed and it was decided that Dean (Academics Matters) shall find out solution for the same in consultation with BOS chairman.

It was informed that MSPA marks can be entered later if the term work is accepted by the teachers.

The AC approved the proposals of new Professional Elective courses to be offered by BoS Civil Engineering

The AC approved changes in course contents and changes in the text/reference books for the courses mentioned above. These changes will be incorporated with immediate effect.

Item 19.04 To discuss and finalize the changes, if any, in Academic Regulations.

- UG Level credit criteria for progression for SoE 2018 on wards
- 'I' Grade to courses having 100% internal evaluation.

Actual names of the courses to be added in modified Academic Regulation



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- **Re-MSE for students having CAMPUS Interview on regular MSE**

The above changes in Academic Regulation were approved by the Academic Council.

- Item 19.05 To discuss and approve the report of Controller of Examinations for Odd Term 2017-18 including the list of candidates who have become eligible for award of UG and PG degrees**

The report of the Controller of Examinations was put up before the members of the Council. Members discussed various item in the report, mainly the results. It was decided that

- *Paper pattern for two subjects to be moderated for First Semester from 2018-19 onwards.*
- *Paper pattern should be reviewed*
- *The practical ESE examination in Odd Term to be conducted by internal evaluators only and by Internal as well as external evaluators in Even Term Examination from 2018-19 onwards.*

The Academic Council accepted the report of Controller of Examinations for the Even Term of 2017-18.

- Item 19.06 To discuss and approve the changes, if any, in Examination Manual**

S. N.	Section/ Clause	Existing Details	Brief Details after change
1	EX20 Organization of ESE	20.16 – Nil (hence new addition)	20.16 Those student leaving examination hall before 3 hours will have to submit question paper along with answer book to invigilator. Student will be allowed to take question paper outside the examination hall only after 3 hours
2	EX20 Organization of ESE	20.17 – Nil (hence new addition)	20.17 Undertaking from student at Examination Centre shall be taken by invigilator if student do not have College ID Card or Admit Card at the time of Examination. The student will have to pay fine of Rs. 500=00



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3	EX35 35.6.1 Guidelines for Grace Marks	35.6.1 – Nil (hence new addition)	Maximum 3 Grace Marks /per subject can be given in two subjects of semester provided: <ul style="list-style-type: none">• Student is failed in only two subjects of that semester and all other subjects are clear pass.• If Student is going to clear pass that semester after grace then grace will be given• If student score less than 12 marks out of 60 in ESE then he / she is not eligible for grace marks• If Student is failed in 3 or more subjects then grace marks will not be given in any subject (not Eligible)
4	EX35 35.6.2 Guidelines for Grace Marks	35.6.2 – Nil (hence new addition)	The benefit of extra time and grace marks, will be given to physically handicapped students as mentioned in the GR of Higher & Technical Education Department, Government of Maharashtra (GR No. संकीर्ण – 2016/ प्र. क्र.302/ विशि – 3 dated 04 March 2017).
5	EX35 35.7 Explanation of Grades	'I' Grade : A student having attendance lower than 75% in a course, whatsoever may be the reason is prevented from appearing in the ESE for that course in that semester and the student will have to re- register for the course as and when it is offered. In such cases the student will be given "I" grade. The continuous assessment of laboratory course shall be null and void in such cases and the student shall have to re-register for the laboratory course as and when it is offered	'I' Grade : A student having attendance lower than 75% in a course, whatsoever may be the reason is prevented from appearing in the ESE for that course in that semester and the student will have to re- register for the course as and when it is offered. In such cases the student will be given "I" grade. The continuous assessment of laboratory course shall be null and void in such cases and the student shall have to re-register for the laboratory course as and when it is offered The courses where all 100 marks are internal with no ESE marks and if the student scores marks of 'Fail' Grade, then 'I' grade shall be awarded while preparing the result.
6	Ex 41A Instructions To The Students/ Examinees	41A. 24 – Nil (hence new addition)	41A. 24 Those student leaving examination hall before 3 hours will have to submit question paper along with answer book to invigilator. Student will be allowed to take question paper outside the examination hall only after 3 hours
7	Ex 41A Instructions To The Students/ Examinees	41A. 25 – Nil (hence new addition)	41A. 25 Undertaking from student at Examination Centre shall be taken by invigilator if student do not have College ID Card or Admit Card at the time of Examination. The student will have to pay fine of Rs. 500=00

The above changes in Examination Manual were approved by the Academic Council.



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Item 19.07 To discuss and approve the report of Dean (Academic Matters) for Odd Term 2017-18.

The report of the Dean (Academic Matters) was put before the members. The report was accepted.

The report of the Dean (Academic Matters) for the Even Term of 2017-18 was approved by the Academic Council.

Item 19.08 To discuss and approve the report of Research Centre Activities for Even Term 2017-18.

The report of the Research Centre Activities was put before the members. The report was accepted.

It was suggested to conduct workshop on Technical / Paper writing skills, which is offered by Springer / Wiley.

The report Research Centre Activities for Even Term 2017-18 was approved by the Academic Council.

Item 19.09 To discuss the approve the report of the Training and Placement Office for Even Term 2017-18

The report of the Training and Placement Office was put before the members.

AC suggested that the number of student Higher Studies / Entrepreneur, Off Campus placement, GRE & GATE data should also be presented. The report was accepted.

The report of Training and Placement Officer for Even Term 2017-18 was approved by the Academic Council.



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Item 19.10 To discuss the approve the report of the IQAC (Internal Quality Assurance Cell)

The report of the IQAC (Internal Quality Assurance Cell) was put before the members.

It was suggested to incorporate exam reform in the report.

The report of the IQAC (Internal Quality Assurance Cell) 2017-18 was approved by the Academic Council.

Item 19.11 Any other matter with the permission of the Chair

- **Additional Chance for RTMNU Special Scheme (Carry on Case)**

AC approved to offered additional chances for RTMNU Special Scheme for all carry on cases.

- **End semester examination passing marks criteria from 15 to 12**

Issue was discussed and additional data to be presented in next AC.

- **Inclusion of medals**

It is proposed to award of Gold Medal to Overall Topper of UG programmes of the institute as "**Dr. Shekhar D. Bhole**" Overall Topper Under Graduate Programmes To be awarded from 5th Graduation Ceremony onwards.

The AC approved the award of Gold Medal to Overall Topper of UG programmes of the institute as "Dr. Shekhar D. Bhole" Overall Topper Under Graduate Programmes

- **Discussion on change in Programme name of B. E. Electronics Engineering**

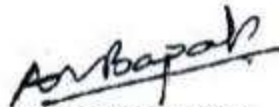
The issue of change in the branch name of Electronics Engineering to Electronics & Communication was discussed.

Academic Council authorized principal to take appropriated decision this regard.

As there was no other point for the discussion, the meeting was adjourned.

The meeting concluded with thanks to the Chair.

Date: 08.09.2018


(Dr. A.V. Bapat)
Member Secretary



(52)

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YESHWANTRAO CHAVAN COLLEGE OF ENGINEERING

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Hingna Road, Wanadongri, Nagpur-411 110.

Academic Council 2018-21

19th Meeting 25th August 2018

SN	MEMBERS	Affiliation	Signature
1	Dr. U.P. Waghe, Chairman	Professor in Civil Engg, YCCE, Nagpur; and Principal	
2	Dr. Rajesh Pande	Principal, Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur	LOA
3	Dr. Hemant Hajare	ITM College of Engineering, Behind Madhi Mandir, Ghorpad Road, Tah. Kamptee, Dist. Nagpur	
4	Dr. N.G. Bawane	Principal, Jhulelal Institute of Technology, Nagpur.	
5	Prof. Dr. N.C. Siva Prakash	Professor, Department of Instrumentation and Applied Physics, Indian Institute of Science, Bangalore 560 012	
6	Mr. Sameer Bendre	Chief People Officer, Persistant System Ltd., Nagpur	LOA
7	Mr. Milind Kank	Managing Director, Yeshshree Industries Ltd., Aurangabad	LOA
8	Mr. Priyadarshan Kshirsagar	Head Business (IT), Tata Motors Ltd., Pune	
9	Dr. S.R. Khandeshwar	Head, Dept of Civil Engg, YCCE, Nagpur	
10	Dr. Sharad S. Chaudhari	Head, Dept of Mech Engg, YCCE, Nagpur	
11	Dr. B.Y. Bagde	Head, Dept of Electrical Engg, YCCE, Nagpur	
12	Dr. P.T. Karule	Head, Dept of Electronics Engg, YCCE, Nagpur	
13	Dr. M.S. Narlawar	Head, Dept of Eletronics and Telcomm, YCCE, Nagpur	
14	Prof. Mrs. G.M. Dhopavkar	Head, Dept of Computer tech, YCCE, Nagpur	
15	Prof. R.C. Dharmik	Head, Dept of Information Tech, YCCE, Nagpur	
16	Dr. Mrs. Manjusha P. Gandhi	Head, Dept. of Mathematics and Humanities, YCCE, Nagpur	
17	Dr. J.R. Ghulghule	Head, Physics, YCCE, Nagpur	
18	Dr. Mrs. Jyoti V. Miskin	Head, Dept of Chemistry, YCCE, Nagpur	LOA
19	Dr. P.K. Dakhole	Registrar, YCCE	
20	Prof. A.R. Bhagat Patil	Asso. Professor in Computer Technology, YCCE, Nagpur; and Dean (P&D)	
21	Prof. D.R. Raut	Associate Professor in Civil Engg, YCCE, Nagpur; and Controller of Examinations	
22	Dr. M.M. Raghuvanshi	Professor in Information Technology, YCCE, Nagpur; and Chairman of Result Review & Moderation Committee	
23	Dr. A.M. Pande (Invitee)	Professor in Civil Engg, YCCE, Nagpur; and Director (R&D)	
24	Dr. A.V. Patil (Invitee)	Professor in Civil Engg, YCCE, Nagpur; and Chairman of Self Assessment of Autonomy	
25	Prof. Aniket P. Munshi (Invitee)	A.P. in Electrical Engg, YCCE, Nagpur	
26	Dr. A.V. Bapat, Member Secretary	Professor in Electronics Engineering, YCCE, Nagpur; and Dean Academic Matters	



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Minutes of 20th meeting of Academic Council held on 02nd March 2019

The **Twentieth meeting** of Academic Council was held on **02nd March 2019** at 11.00 am in the Board Room of YCCE, Nagpur. The following members attended the meeting.

1	Dr. U.P. Waghe, Principal & Chairman	12	Dr. Mrs. Manjusha P. Gandhi, HoD Mathematics and Humanities
2	Dr. Hemant Hajare, ITM College of Engineering, Nagpur	13	Dr. J.R. Ghulghule, HoD Physics
3	Dr. N.G. Bawane, Principal, Jhulelal Institute of Technology, Nagpur	14	Dr. Mrs. Jyoti V. Miskin, HoD, Chemistry
4	Mr. Priyadarshan Kshirsagar, Head Business (IT), Tata Motors Ltd., Pune	15	Dr. P.K. Dakhole, Registrar, YCCE
5	Dr. Shantanu R. Khandeshwar, HoD, Civil Engineering	16	Prof. Arvind Bhagatpatil, Dean (P & D)
6	Dr. Sharad S. Chaudhary, HoD, Mechanical Engineering	17	Prof. D.R. Raut, COE
7	Dr. B.Y. Bagde, HoD, Electrical Engineering	18	Dr. M.M. Raghuvanshi, Professor in Information Technology, YCCE
8	Dr. P.T. Karule, HoD Electronics Engineering	19	Dr. A.M. Pande, Professor in Civil Engg, YCCE and Director (R&D)
9	Dr. M.S. Narlawar, HoD, Electronics & Telecommunication Engineering	20	Dr. A.V. Patil, Professor, Civil Engineering, YCCE
10	Prof. Mrs. G.M. Dhopavkar, HoD Computer Technology	21	Dr. A.V. Bapat, Dean (Acad. Mat.) & Member Secretary
11	Prof. R.C. Dharmik, HoD, Information Technology		

Leave of Absence granted to			
1	Dr. Rajesh Pande, Principal, Shri Ramdeobaba College of Engineering and Management, Nagpur	3	Mr. Milind Kank, Managing Director, Yeshshree Industries Ltd., Aurangabad
2	Dr. N.C. Shivprakash, I.I.Sc., Bangalore	4	Prof. Aniket P. Munshi, Electrical Engineering, YCCE
3	Mr. Sameer Bendre, Chief People Officer, Persistant System Ltd., Nagpur		



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Item 20.01: Welcome of New members

The Chairman of the Academic Council, Dr. U.P. Waghe welcomed the members of the Academic Council with floral bouquet.

Item 20.02 To confirm the Minutes of 19th Meeting of the Academic Council and consider the action taken report.

The Academic Council unanimously approved the minutes of Ninetieth meeting of Academic Council held on 25th August 2018 and Action Taken Report thereof.

Item 20.03 To discuss and approve the suggestions of Board of Studies for changes in Schemes of Examination and course contents of Autonomous 2014 scheme for UG and PG Programs

The changes proposed by various boards regarding the syllabi of the courses of "Autonomous 2014" scheme as below

❖ The minor changes in the course contents suggested by the BoS as below

Branch	Sem	Course Code & Name
Civil Engg.	8	CV1428 - PE IV: Earthquake Engineering
Computer Tech	6	CT1345 : Software Engineering
	6	CT1353 PE I: Introduction to Geographical Information System
	8	CT1418 - PE IV: Digital Image Processing

❖ The changes in the reference books suggested by the BoS as below

Computer Tech	6	Software Engineering, 9th Edition, Ian Sommerville, University of St Andrews, Scotland, ©2011, Pearson.
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The Academic Council approved changes in course contents and changes in the /reference books for the courses mentioned above. These changes will be incorporated with immediate effect.



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Item 20.04 To discuss and approve the suggestions of Board of Studies for changes in Schemes of Examination and course contents of Autonomous 2018 scheme for UG and PG Programs

The changes proposed by various boards regarding the syllabi of the courses of "Autonomous 2018" scheme as below

❖ The changes in name of suggested by the BoS as below

Branch	Sem	Existing Course Name	Proposed Course Name
Electronics & Telecomm. Engg	3	ET2203 Digital Circuit	ET2203 Digital Circuit and Fundamentals of Microprocessor
	4	ET2252 ; Microcontroller and application	ET2252 ; Microcontroller and Interfacing
	4	ET2256 Signals & Systems	ET2256 Control Systems
Information Tech.	4	IT2255: Operating Systems	IT2255: Data Base Management System

❖ The new subject added in the SoE 2018 (M. Tech Environment Engineering)suggested by the BoS as below

Branch	Sem	Course Code & Name
Civil Engineering	3	CV2989 ; Applied Structures

The Academic Council approved changes in course name, add course for the courses mentioned above. These changes will be incorporated with immediate effect.

Item 20.05 To discuss and approve the Autonomous 2019 scheme for PG Programs

Proposed Autonomous 2019 scheme for PG Programs were presented before Academic Council for discussion and approved

Department	Programmes
Civil Engineering	Structural Engineering
	Environmental Engineering
Mechanical Engineering	CAD-CAM
Electrical Engineering	Integrated Power Systems
Electronics Engineering	Electronics Engineering
Electronics & Telecomm. Engineering	Communication Engineering
Computer Technology	Computer Science and Engineering

The Academic Council approved to Autonomous 2019 scheme for PG Programs from session 2019-20 onwards.



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tem 20.06 To discuss and finalize the changes, if any, in Academic Regulations.

Changes proposed in Academic Regulations

Scheme of Examination

Proposed	Approved by the Academic Council
16.3 Audit Courses (Optional) A student will be allowed to register for a audit courses during the entire UG Program. Students will opt for audit courses only on recommendation of Faculty Advisor.	Approved by the Academic Council
13.9 Comprehensive viva The examination of student under this head is aimed at assessing the student's understanding of various subjects studied during the entire program. The Viva-voce examination will be conducted by a panel of examiners consisting of the departmental committee and at least one external expert, preferably from an Industry To be deleted for SoE 2018	Approved by the Academic Council

Evaluation

Proposed	Academic Council Decision
18.1 A student is evaluated for theory courses through Teachers Assessment (TA), three mid semester examinations (MSE) and one End Semester Examination (ESE)	Approved by the Academic Council
18.2 The relative weightage is 10% for TA, 30% from any two better of three MSE, and 60% for ESE. The teacher shall announce the method of TA at the beginning of the semester. All MSE and ESE are compulsory for all students. The marking will be on absolute basis. The total marks are calculated in each course as per the weightage indicated above. No credits are awarded if the student remains absent in the ESE.	Approved by the Academic Council
18.3 The laboratory courses will have Continuous Assessment (CA) which will be based on punctuality, turn to turn assessment of student's work, quality of records maintained, group discussions, overall understanding of the experiment and viva-voce examination (as per requirement of structure of course). The CA for laboratory courses shall be 40% and ESE may be on an experiment or viva or written test or a combination of these, and shall carry a weightage of 60%. Practical Courses with 100% continuous evaluation will not have ESE. The student shall either successfully complete the course or shall get I grade if the course work is not satisfactory	Approved by the Academic Council



The Grading System

Proposed	
<p>19.1.5 A student who has secured marks out of 100 and they are more than the minimum cut off as defined by Table No 2 (Statistical Method) or 4 (Absolute method) of AR, will be awarded suitable pass grade in that course only if he has scored at least 12 marks out of 60 at ESE in that course. This provision will be applicable from EVEN term 2018-19</p>	Approved by the Academic Council
<p>19.2.2 The award of grades will be subjected to the following process:</p> <p>A) THEORY SUBJECTS If $(X-1.5) > 40$ then grade calculation for C+ , C, D & F shall be as given below , while that for A+,A,B+ & B shall be same as per Table 2 of the Academic Regulations: $C+ = > X - (X - 40)/3,$ $C \geq X - (X - 40) \times 2/3,$ $D \geq X - (X - 40) \times 3/3,$ $F \leq X - (X - 40) \times 3/3$</p> <p>B) THEORY SUBJECTS If $(X - 1.5) < 40$ for all those theory subjects with passing marks of 40 then lower limit for award of D grade shall be reduced up to 30 marks step by step, so that failure % as calculated by formula, Should not exceed 15%.</p> <p>C) PRACTICAL SUBJECTS: If $(X-1.5) < 50$ then Cutoff for passing shall be 50. But if $(X - 1.5) > 50$ then grades calculation for C+, C, D & F shall be as given below, while that for A+, A,B+ & B shall be same as per Table 2 of the Academic Regulations $C+ = > X - (X - 50)/3 ,$ $C \geq X - (X - 50) \times 2/3 ,$ $D \geq X - (X - 50) \times 3/3 ,$ $F < X - (X - 50) \times 3/3$</p>	Approved by the Academic Council



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Revised question paper format for Mid Semester Examination and End Semester Examination were presented.

The proposed changes in Academic Regulation were approved by the Academic Council.

Item 20.07 To discuss and approve the report of Controller of Examinations for Odd Term 2018-19 including the list of candidates who have become eligible for award of UG and PG degrees

The report of the Controller of Examinations was put up before the members of the Council. Members discussed various item in the report, mainly the results.

The Academic Council accepted the report of Controller of Examinations for the Odd Term of 2018-19.

Item 20.08 To discuss and approve the changes, if any, in Examination Manual.
No changes in Examination Manual

Item 20.09 To discuss and approve the report of Dean (Academic Matters) for Odd Term 2018-19.
The report of the Dean (Academic Matters) was put before the members and discussed.

The report of the Dean (Academic Matters) for the Odd Term of 2018-19 was approved by the Academic Council.

Item 20.10 To discuss and approve the report of Research Centre Activities for Odd Term 2018-19.

The report of the Research Centre Activities was put before the members and discussed.

The report Research Centre Activities for Odd Term 2018-19 was approved by the Academic Council.

A policy document 2018, No NYSS/CEO/2017-18/ dated 15.09.2018, titled as, "Providing structure, system, guidance and financial assistance for promotion of research among faculty and students" which aims at promoting R&D culture amongst faculty and students of the institution, was also discussed in the academic council and the same was unanimously approved.



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A policy document 2018, No NYSS/CEO/2018-19/ dated 15.09.2018, titled as, "promotion of code of ethics , Academic Integrity and prevention of plagiarism in the institution" which aims at assessment of academic and research work by the faculty and students of the institution, was also discussed in the academic council and the same was unanimously approved.

Item 20.11 To discuss the approve the report of the Training and Placement Office for Odd Term 2018-19

The report of the Training and Placement Office was put before the members and discussed.

The report of Training and Placement Officer for Odd Term 2018-19 was approved by the Academic Council.

Item 20.12 To discuss and approve specialization certificate course in Computer Science & Engineering, Mechatronics and Management Studies

The Academic Council approved to offer above mentioned specialization certificate courses.

Item 20.13 To discuss and approve to start new existing Under Graduate programme with honors and with minor & Ph.D. programme

- Approval for starting existing Under Graduate programme with honors and with minor.

The Academic Council approved resolution to start new existing Under Graduate programme with honors and with minor as per AICTE Guidelines for Model Curriculum November 2017, after taking due permission from Rashtrasant Tukadoji Maharaj Nagpur University.

- Approval for starting new Ph. D. Programme.

The Academic Council approved resolution to start new Ph.D. programmes as per University Grants Commission (Conferment of Autonomous Status Upon Colleges and Measures for



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Maintenance of Standards in Autonomous Colleges) Regulations, 2018 point no 10.2 after taking due permission from Rashtrasant Tukadoji Maharaj Nagpur University

Item 20.14 To start credit transfer scheme for one complete semester with reputed institute such as College of Engineering Pune and VNIT Nagpur etc.

The issue of credit transfer scheme for one complete semester was discussed.

The Academic Council approved to start credit transfer scheme for one complete semester.

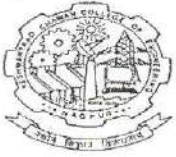
Item 20.15 Any other matter with the permission of the Chair

As there was no other point for the discussion, the meeting was adjourned.

The meeting concluded with thanks to the Chair.

Date: 08.03.2019

(Dr. A.V. Bapat)
Member Secretary



Nagar Yuwak Shikshan Sanstha's
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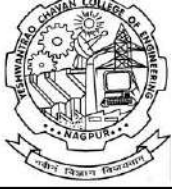
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Academic Council 2018-21

20th Meeting 02nd March 2019

SN	MEMBERS	Affiliation	Signature
1	Dr. U.P. Waghe, Chairman	Professor in Civil Engg, YCCE, Nagpur; and Principal	
2	Dr. Rajesh Pande	Principal, Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur	LOA
3	Dr. Hemant Hajare	ITM College of Engineering, Behind Madhi Mandir, Ghorpad Road, Tah. Kamptee, Dist. Nagpur	 23/19
4	Dr. N.G. Bawane	Principal, Jhulelal Institute of Technology, Nagpur.	 02.3.19
5	Prof. Dr. N.C. Siva Prakash	Professor, Department of Instrumentation and Applied Physics, Indian Institute of Science, Bangalore 560 012	LOA
6	Mr. Sameer Bendre	Chief People Officer, Persistant System Ltd., Nagpur	LOA
	Mr. Milind Kank	Managing Director, Yeshshree Industries Ltd., Aurangabad	LOA
8	Mr. Priyadarshan Kshirsagar	S. GM - Prod. Line. EVBU, Tata Motors Head Business (IT), Tata Motors Ltd., Pune	
9	Dr. S.R. Khandeshwar	Head, Dept of Civil Engg, YCCE, Nagpur	
10	Dr. Sharad S. Chaudhary	Head, Dept of Mech Engg, YCCE, Nagpur	
11	Dr. B.Y. Bagde	Head, Dept of Electrical Engg, YCCE, Nagpur	
12	Dr. P.T. Karule	Head, Dept of Electronics Engg, YCCE, Nagpur	
13	Dr. M.S. Narlawar	Head, Dept of Eletronics and Telcomm, YCCE, Nagpur	
14	Dr. Mrs. G.M. Dhopavkar	Head, Dept of Computer tech, YCCE, Nagpur	
15	Dr. R.C. Dharmik	Head, Dept of Information Tech, YCCE, Nagpur	
16	Dr. Mrs. Manjusha P. Gandhi	Head, Dept. of Mathematics and Humanities, YCCE, Nagpur	
	Dr. J.R. Ghulghule	Head, Physics, YCCE, Nagpur	
18	Dr. Mrs. Jyoti V. Miskin	Head, Dept of Chemistry, YCCE, Nagpur	
19	Dr. P.K. Dakhole	Registrar, YCCE	
20	Dr. A.R. Bhagat Patil	Asso. Professor in Computer Technology, YCCE, Nagpur; and Dean (P&D)	
21	Prof. D.R. Raut	Associate Professor in Civil Engg, YCCE, Nagpur; and Controller of Examinations	
22	Dr. M.M. Raghuvanshi	Professor in Information Technology, YCCE, Nagpur; and Chairman of Result Review & Moderation Committee	
23	Dr. A.M. Pande (Invitee)	Professor in Civil Engg, YCCE, Nagpur; and Director (R&D)	
24	Dr. A.V. Patil (Invitee)	Professor in Civil Engg, YCCE, Nagpur; and Chairman of Self Assessment of Autonomy	
25	Prof. Aniket P. Munshi (Invitee)	A.P. in Electrical Engg, YCCE, Nagpur	LoA
26	Dr. A.V. Bapat, Member Secretary	Professor in Electronics Engineering, YCCE, Nagpur; and Dean Academic Matters	

**Details of program syllabus
revision in last 5 years**



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DEPARTMENT OF CIVIL ENGINEERING

NOTICE

{BoS}

Date:- 05 January 2019

Meeting No 23 of Board of Studies of Civil Engineering department is scheduled on **Saturday 12th January 2019 at 12:00 noon in Departmental library.**

All staff members are requested to attend the meeting. The agenda of the meeting is mentioned below. All staff members are requested to read the agenda carefully so that they can give fruitful suggestions in the meeting.

Agenda Points

Item No. 23.01

Welcome of new members

Item No. 23.02

Installation of member Secretary

Item No. 23.03

Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.

Item No. 23.04

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014 & Autonomous 2018) of the Undergraduate and Post graduate programs conducted under the Board.

Item No. 23.05

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 & Autonomous 2018 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Item No. 23.06

To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

Item No. 23.07

To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Undergraduate and Post Graduate programs..

Item No. 23.08

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.

Item No. 23.09

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum..

Item No. 23.10

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-2019.

Item No. 23.11

To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Even Term 2018-2019.

Item No. 23.12

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-2019.

Item No. 23.13

Preparation of Electronic question Bank for V and VI Sem UG courses.

To review solutions to all questions of Electronic Question Banks for all courses of IV SEM.



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Item No. 23.14

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

Item No. 23.15

To prepare & propose Group of minor courses and Group of honor courses to be offered.

Item No. 23.16

To propose to provision for PG students for Year Long Internship i.e. offer courses of 3rd Semester in Special Summer Term.

Item No. 23.17

To discuss the feedback received from students/teachers/employers/alumni/parents regarding teaching learning process in order to review and design the syllabus.

Item No. 23.18

Any other matter with the permission of the Chair.

Prof. Ms. C.S. Waghmare
Member Secretary
Board of Studies Civil Engineering

Dr. S.R. Khandeshwar
Head & Chairman,
Board of Studies Civil Engineering

S.N.	Name	Signature	S.N.	Name	Signature
1	Dr. Udaykumar P. Waghe		22	Mr. Prashant Baban Pande	
2	Dr. Anant Manohar Pande		23	Mr. Atul Sambhuji Kurzekar	
3	Dr. Santanu Ramkrishna Khandeshwar		24	Mr. Vivek Dnyandeo Jayale	
4	Dr. Sudhir Vasantrao Ambekar		25	Mr. Harshal Madhukar Warade	
5	Dr. Abhay Vinayakrao Patil		26	Ms. Pallavi Shalikram Chakole	
6	Dr. Vilas Ganuji Meshram		27	Ms. Snehal Karunkumar Kamble	
7	Dr. Ajay Ramdas Gajbhiye		28	Mr. Sourabh Mahesh Amrodiya	
8	Mr. Rajendra Sureshbabu Deotale		29	Mr. Sanket Gajanan Kalamkar	
9	Dr. Rajendra Rupraoji Dighade		30	Mr. Sagar Wasudeo Dhengare	
10	Mr. Sanjay Manohar Waghmare		31	Ms. Monali Rewashankar Wagh	
11	Mr. Bhupesh Purshottam Nandurkar		32	Mr. Yogesh Prabhakar Kherde	
12	Dr. Sanjay Padmakar Raut		33	Ms. Sneha Gowardhan Hirekhan	
13	Ms. Vaishali Nilesh Mendhe		34	Mr. Rajesh Madhukar Bhagat	
14	Ms. Charuta Subhash Waghmare		35	Mr. Nikhil Vinayak Deshmukh	
15	Mr. Khalid Shamim Ansari		36	Ms. Pinky Babarao Chouhan	
16	Mr. Harshal Ramesh Rao Nikhade		37	Mr. Shantanu Mahesh Agrawal	
17	Mr. Jayant Manohar Raut		38	Ms. Apurva Dadrao Yawale	
18	Mr. Dhiraj Giridharilal Agrawal		39	Ms. Disha Subhash Kukekar	
19	Mr. Pawan Kesharao Hinge		40	Ms. Shraddha Sanjay Deshpande	
20	Ms. Amruta Arun Yadav		41	Mr. Abhishek Dattuji Bhat	
21	Ms. Sangita Shivecharan Meshram				

Name	Signature	Name	Signature	Name	Signature
Dr. D.H. Lataye	Accepted	Mr. Suneel Voditel	Accepted	Dr. V.S. Landge	Accepted
Er. Satish Raipure	Accepted	Dr. N.S. Raman	Accepted		



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DEPARTMENT OF CIVIL ENGINEERING

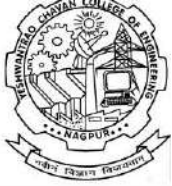
Minutes of 23rd Bos Meeting on 12th January 2019

- **23rd Meeting of BoS of Civil engineering was held on Saturday 12th January 2019. It was chaired by Dr. S.R. Khandeshwar, Chairman BoS. Following members were present.**

Name	Name	Name
Dr. N.S. Raman	Mr. Sanjay Manohar Waghmare	Mr. Harshal Madhukar Warade
Dr. D.H. Lataye	Mr. Bhupesh Purshottam Nandurkar	Ms. Pallavi Shalikram Chakole
Er. Satish Raipure	Dr. Sanjay Padmakar Raut	Ms. Snehal Karunkumar Kamble
Mr. Suneel Voditel	Ms. Vaishali Nilesh Mendhe	Mr. Sourabh Mahesh Amrodiya
Dr. Udaykumar P. Waghe	Ms. Charuta Subhash Waghmare	Mr. Sanket Gajanan Kalamkar
Dr. Anant Manohar Pande	Mr. Khalid Shamim Ansari	Mr. Sagar Wasudeo Dhengare
Dr. Santanu Ramkrishna Khandeshwar	Mr. Harshal Ramesh Rao Nikhade	Ms. Monali Rewashankar Wagh
Dr. Sudhir Vasantrao Ambekar	Mr. Jayant Manohar Raut	Mr. Yogesh Prabhakar Kherde
Dr. Abhay Vinayakrao Patil	Mr. Dhiraj Giridharilal Agrawal	Ms. Sneha Gowardhan Hirekhan
Dr. Vilas Ganuji Meshram	Ms. Amruta Arun Yadav	Mr. Rajesh Madhukar Bhagat
Dr. Ajay Ramdas Gajbhiye	Ms. Sangita Shivcharan Meshram	Ms. Pinky Babarao Chouhan
Mr. Rajendra Sureshbabu Deotale	Mr. Atul Sambhuji Kurzekar	Mr. Shantanu Mahesh Agrawal
Dr. Rajendra Rupraoji Dighade	Mr. Vivek Dnyandeo Jayale	Ms. Apurwa Dadrao Yawale
		Ms. Disha Subhash Kukekar

- **Following members had been permitted leave of absence**

1. Dr. V.S. Landge
2. Mr. Pawan Kesharao Hinge
3. Mr. Prashant Baban Pande
4. Mr. Nikhil Vinayak Deshmukh



DEPARTMENT OF CIVIL ENGINEERING

Minutes of Meetings

Item No. 23.01

Welcome of new members

The Chairman first welcomed all BoS members.

Dr. A.M. Pande welcomed Dr. N. S. Raman, Director & HoD, EIA Division, NEERI, Nagpur.

Dr. A.R. Gajbhiye welcomed Dr. D.H. Lataye, Professor, Department of Civil Engineering, VNIT, Nagpur.

Er. Suneel Voditel, Director, Skyline Expert from Industry and Er. Satish Raipure, Alumini & now Director, Raipure & Associates are welcomed by Dr. S.R. Khandeshwar.

Item No. 23.03

Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.

The minutes of previous meeting no. 22 held on 30/07/2018 were already circulated to all members. Since there was no comment from any member, the chairman requested to accept the minutes. Dr. A.V. Patil proposed the minutes to be accepted. Dr.S.R.Khandeshwar seconded it. The minutes were then accepted.

Item No. 23.04

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014 & Autonomous 2018) of the Undergraduate and Post graduate programs conducted under the Board.

All members were asked if any further correction or amendment was required to be done in the scheme of examination of the Undergraduate and Post graduate programs.

No corrections and amendments were proposed by any members finally it was unanimously resolved that the present scheme of examination continued to be adopted for **Autonomous 2014**.

However, as per the directives from CEO, students of final year UG & PG were asked for Semester Long and Year Long Internship respectively.

Accordingly, the UG SoE 2014-15 is modified.

As far as, Year Long Internship for PG is concerned, CEO asked to modify SoE 2018-19 accordingly.

For Autonomous 2018-19: PG (Structural & Environmental Engg.)- Two courses were proposed to shift from III Sem to Ist and IInd semester.

Research practice should be converted into compulsory audit course.

Item No. 23.05

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 & Autonomous 2018 Schemes of Undergraduate and Post graduate programs conducted under the Board.

All members were asked if any further correction or amendment was required to be done in the syllabus of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs of Undergraduate and Post graduate programs.

Suggestions were:

1. For SoE 2014-15

- a. Use of IS Code 1893:2016 for the subject Earthquake Engineering and Elements of Earthquake engineering is suggested.
- b. PE-IV Earthquake Engineering- Design of load bearing structure should be included in unit no.6. Mitigation and disaster management should be curtailed.



DEPARTMENT OF CIVIL ENGINEERING

- Revision of the II Year subjects of the Scheme 2018-19 was done.
- Prof K.S. Ansari proposed Applied Structures to be added as PE-III in SoE 2018-19 of M. Tech. (Environmental Engineering).

UG CIVIL ENGINEERING

Course Code	Course Name	Suggestions by Experts and Course Teachers
CV-1201	Strength of Materials	Torsional stress in solid and hollow circular sections added in unit IV of new scheme 2018-19.
CV-1205	Fluid Mechanics -I	Remove from FM-I and add dimension analysis in FM-II. Also need to add Weir and Notches in FM-IFM-II
CV-1301	Surveying -II	Total Station added in Unit VI
CV-1304	Transportation Engineering -I	Bridge Bearings, and Bridge Architecture in unit V
CV1411	PE-II Advanced Hydraulics	Deleted Alluvis interlock equation of water hammer, continuity equation by considering elastic approach. Added model theory in the course of scheme 2018-19.
CV-1441	Environmental Engineering-II	Functioning and Basic Load Calculations added in unit IV
CV1428	PE-IV Earthquake Engineering	Design of load bearing structure should be included in unit no.6. Mitigation and disaster management should be curtailed

The 8TH Curriculum development workshop will be scheduled in the month of May 2019, for modifications /updatation of syllabus of PG Structural and Environmental Engineering along with UG Civil Engineering .New Scheme of 2018-19 will be implemented from the session 2019-20.

Item No. 23.06

To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

All members were asked to suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

BoS Experts asked to send the syllabus so that some new books should be incorporated in the present scheme. The syllabus was send to the experts for further changes/ additions of the books.

Item No. 23.07

To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.

All members were asked if any correction or amendment was required to be done in the list of experiments in Autonomous 2014 Schemes of Undergraduate and Post graduate programs of Undergraduate and Post graduate programs.

No change in the current syllabus of laboratory courses were proposed by any members.



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DEPARTMENT OF CIVIL ENGINEERING

Item No. 23.08

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board. The chairman asked to suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs for further submission to Academic Council

All BoS Experts welcomed and appreciated the initiative taken by the Institute for Semester Long Internship programme for UG students and Year Long Internship programme for PG students with the suggestions that

1. There must be screening test for the students by industries.
2. For UG Internship, it must be started from III Year so that the students will be aware of the scenarios of the field.
3. For PG Internship, there must be interaction between the students and the company /industry person in the First year of the programme.
4. Maximum no. of Progress seminar should be added to evaluate the performance of the students.

Item No. 23.09

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.

Suggestions from BoS Expert were

1. Conventional Teaching method i.e. Chalk-Duster is best.
2. Faculty should added some content from video for better understanding of the complicated topics.



DEPARTMENT OF CIVIL ENGINEERING

Item No. 23.10

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-2019.

It was decided to finalized panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs in End Semester Examination of Even Term 2018- 2019 on 18th January 2019 (Sub-committee meeting)

Item No. 23.11

To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Even Term 2018-2019.

It was decided to finalized panel of paper setters, Moderators and Valuers for the various theory courses at Post Graduate programs in End Semester Examination of Even Term 2018- 2019 on 18th January 2019 (Sub-committee meeting)

Item No. 23.12

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-2019.

It was decided to finalized panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-2019 on 18th January 2019 (Sub-committee meeting)

Item No. 23.13

Preparation of Electronic question Bank for V and VI Sem UG courses.

To review solutions to all questions of Electronic Question Banks for all courses of IV SEM.

Validation of Electronic question bank for V semester is done and concerned faculty were asked to prepare solutions to all questions.

Solutions to all questions of Electronic Question Banks for all courses of IV SEM is in progress.

Item No. 23.14

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

All members were asked to suggest the changes/additions/deletions/alterations in the existing Evaluation Process like examination paper pattern, use of question banks etc. for theory courses, conduct of examinations for non-theory courses, seminars, Industrial case study, Project (including mini), etc.

Dr. A.M. Pande suggested carrying out MSE-III on unit no. 5th & 6th and further it is suggested to opt any best two out of MSE-I,II,III.

Item No. 23.15

To prepare & propose Group of minor courses and Group of honor courses to be offered.

All members were asked to propose Group of minor courses and Group of honor courses to be offered. After discussion ,all members proposed the following list of courses .

S.N.	Honor Courses	S.N.	Minor Courses
1	Prestressed Concrete	1	Introduction to Transportation Engineering
2	Fluid Mechanics	2	Building Materials and Construction
3	Mechanics of Solid	3	Engineering Geology



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DEPARTMENT OF CIVIL ENGINEERING

4	Soil Mechanics	4	Performance of Marine Vehicles At Sea
5	Water Resources Engineering	5	Environmental Air Pollution
6	Surveying	6	Plastic Waste Management
7	Introduction to Remote Sensing	7	Electronic Waste Management Issues and Challenges
8	Advanced Foundation Engineering		
9	Finite Element Method		
10	Construction Management and Techniques		
11	Geosynthetic Engineering		
12	Ground Improvement Techniques		
13	Modern Surveying Techniques		
14	Ground Water Hydraulics		
15	Digital Image Processing of Remote Sensing Data		
16	Energy Efficiency, Acoustics and daylight in buildings.		
17	Computational Hydraulics		

Item No. 23.16

To propose the provision for PG students for Year Long Internship i.e. offer courses of 3rd Semester in Special Summer Term for current II Semester M.Tech.2018-19.

It was decided to offer the following subjects in Special Summer Term

S.N.	M.Tech. (Structural Engineering)	
	Course Code	Course Name
1	CV 2931	Advanced Steel Structures
2	CV 2932	Lab: Steel Design Studio
3	CV 2933	PE-II Tall Building
	CV2935	PE-II Bridge Engineering
4	CV2936	PE-III Plastic Analysis and Design of Structures
	CV 2937	PE-III Seismic Analysis and Design of Structures

S.N.	M.Tech.(Environmental Engineering)	
	Course Code	Course Name
1	CV 2961	PE-II Rural Water Supply and Sanitation
2	Newly Proposed	PE-III Applied Structures

Item No. 23.17

To discuss the feedback received from students/teachers/employers/alumni/parents regarding teaching learning process in order to review and design the syllabus.

The SoE & curriculum of 2014-15 & 2018-19 has been discussed with stakeholders of the department including students/teachers/employers/alumni/parents, and necessary inputs in the form of feedback has been collected from them.



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DEPARTMENT OF CIVIL ENGINEERING

Item No. 23.18

Any other matter with the permission of the Chair.

All suggestions are welcomed and forwarded for further submission to Academic Council.

The meeting ended with thank to chair.

Prof. Ms. C.S. Waghmare

Member Secretary

Board of Studies Civil Engineering

Dr. S.R. Khandeshwar

Head & Chairman,

Board of Studies Civil Engineering



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DEPARTMENT OF CIVIL ENGINEERING

NOTICE

{BoS}

Date:- 26th July 2018

Meeting No 22 of Board of Studies of Civil Engineering department is scheduled on **Monday 30th July 2018 at 1:30 p.m.** in conference hall (CE-206)

All staff members are requested to attend the meeting. The agenda of the meeting is mentioned below. All staff members are requested to read the agenda carefully so that they can give fruitful suggestions in the meeting.

Agenda Points for 22nd meeting of BoS, Civil engineering, to be conducted on 30th July 2018 are,

Item No. 22.01

Welcome of new members

Item No. 22.03

Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.

Item No. 22.04

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board

Item No. 22.05

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Item No. 22.06

To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

Item No. 22.07

To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.

Item No. 22.08

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.

Item No. 22.09

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.

Item No. 22.10

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Odd Term 2018-19.

Item No. 22.11

To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Odd Term 2018- 19.

Item No. 22.12

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Odd Term 2018-19.



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DEPARTMENT OF CIVIL ENGINEERING

Item No. 22.13

Preparation of Electronic question Bank for VII and VIII Sem UG courses

To review solutions to all questions of Electronic Question Banks for all courses of V SEM

Item No. 22.14

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

Item No. 22.15


To prepare and propose Scheme of Examination 2018 for UG & PG programmes.


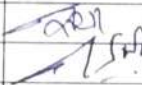

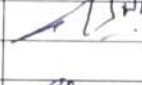









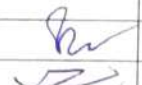



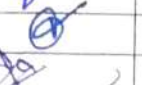


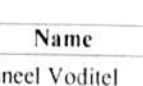



Item No. 22.16

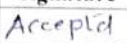
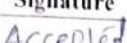
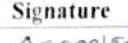
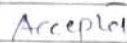
To discuss the feedback received from students/teachers/employers/alumni/parents regarding teaching learning process in order to review and design the syllabus.

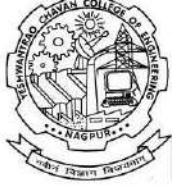
Item No. 22.17

Any other matter with the permission of the Chair.


Dr. S.R. Khandeshwar
Head & Chairman,
Board of Studies Civil Engineering

S.N.	Name	Signature	S.N.	Name	Signature
1	Dr. Udaykumar P. Waghe		22	Mr. Prashant Baban Pande	
2	Dr. Anant Manohar Pande		23	Mr. Atul Sambhuji Kurzekar	
3	Dr. Santanu Ramkrishna Khandeshwar		24	Mr. Vivek Dnyandeo Jayale	
4	Dr. Sudhir Vasantao Ambekar		25	Mr. Harshal Madhukar Warade	
5	Dr. Abhay Vinayakrao Patil		26	Ms. Pallavi Shalikram Chakole	
6	Dr. Vilas Ganuji Meshram		27	Ms. Snehal Karunkumar Kamble	
7	Dr. Ajay Ramdas Gajbhiye		28	Mr. Sourabh Mahesh Amrodiya	
8	Mr. Rajendra Sureshbabu Deotale		29	Mr. Sanket Gajanan Kalamkar	
9	Dr. Rajendra Rupraoji Dighade		30	Mr. Sagar Wasudeo Dhengare	
10	Mr. Sanjay Manohar Waghmare		31	Ms. Monali Rewashankar Wagh	
11	Mr. Bhupesh Purshottam Nandurkar		32	Mr. Yogesh Prabhakar Kherde	
12	Dr. Sanjay Padmakar Raut		33	Ms. Sneha Gowardhan Hirekhan	
13	Ms. Vaishali Nilesh Mendhe		34	Mr. Rajesh Madhukar Bhagat	
14	Ms. Charuta Subhash Waghmare		35	Mr. Nikhil Vinayak Deshmukh	
15	Mr. Khalid Shamim Ansari		36	Ms. Pinky Babarao Chouhan	
16	Mr. Harshal Rameshrao Nikhade		37	Mr. Shantanu Mahesh Agrawal	
17	Mr. Jayant Manohar Raut		38	Ms. Apurva Dadrao Yawale	
18	Mr. Dhiraj Giridharilal Agrawal		39	Ms. Disha Subhash Kukekar	
19	Mr. Pawan Kesharao Hinge		40	Ms. Shraddha Sanjay Deshpande	
20	Ms. Amruta Arun Yadav		41	Mr. Abhishek Dattuji Bhat	
21	Ms. Sangita Shivcharan Meshram				

Name	Signature	Name	Signature	Name	Signature
Dr. D.H. Lataye		Mr. Suneel Voditel		Dr. V.S. Landge	
Er. Satish Raipure					



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DEPARTMENT OF CIVIL ENGINEERING

Minutes of 22nd Bos Meeting on 30th July 2018

- **22nd Meeting of BoS of Civil engineering was held on Monday 30th July 2018 it was chaired by Dr. S.R. Khandeshwar, Chairman BoS. Following members were present.**

Name	Name	Name
Dr. D.H. Lataye	Ms. Vaishali Nilesh Mendhe	Mr. Sanket Gajanan Kalamkar
Dr. V.S. Landge	Ms. Charuta Subhash Waghmare	Mr. Sagar Wasudeo Dhengare
Mr. Suneel Voditel	Mr. Khalid Shamim Ansari	Ms. Monali Rewashankar Wagh
Er. Satish Raipure	Mr. Harshal Ramesh Rao Nikhade	Mr. Yogesh Prabhakar Kherde
Dr. Udaykumar P. Waghe	Mr. Jayant Manohar Raut	Ms. Sneha Gowardhan Hirekhan
Dr. Anant Manohar Pande	Mr. Pawan Kesharao Hinge	Mr. Rajesh Madhukar Bhagat
Dr. Santanu Ramkrishna Khandeshwar	Ms. Amruta Arun Yadav	Mr. Nikhil Vinayak Deshmukh
Dr. Sudhir Vasant Rao Ambekar	Ms. Sangita Shivcharan Meshram	Ms. Pinky Babarao Chouhan
Dr. Abhay Vinayakrao Patil	Mr. Prashant Baban Pande	Mr. Shantanu Mahesh Agrawal
Dr. Vilas Ganuji Meshram	Mr. Atul Sambhuji Kurzekar	Ms. Apurwa Dadrao Yawale
Dr. Ajay Ramdas Gajbhiye	Mr. Vivek Dnyandeo Jayale	Ms. Disha Subhash Kukekar
Mr. Rajendra Sureshbabu Deotale	Mr. Harshal Madhukar Warade	Ms. Shraddha Sanjay Deshpande
Dr. Rajendra Rupraoji Dighade	Ms. Pallavi Shaligram Chakole	Mr. Abhishek Dattuji Bhad
Mr. Sanjay Manohar Waghmare	Ms. Snehal Karunkumar Kamble	
Mr. Bhupesh Purshottam Nandurkar	Mr. Sourabh Mahesh Amrodiya	

- **Following members had been permitted leave of absence**

1. Dr. N.S. Raman (VC Nominee), as the name was not received up to the date of BoS meeting
2. Dr. Sanjay Padmakar Raut
3. Mr. Dhiraj Giridharilal Agrawal



DEPARTMENT OF CIVIL ENGINEERING

Item No. 22.01

Welcome of new members

The Chairman first welcomed all BoS members, Dr. A.V. Patil welcomed Dr. V.S. Landge, Professor, Department of Civil Engineering, VNIT, Nagpur. Dr. A.R. Gajbhiye welcomed Dr. D.H. Lataye, Professor, Department of Civil Engineering, VNIT, Nagpur. Er. Suneel Voditel, Director, Skyline Expert from Industry is welcomed by Dr. S.V. Ambekar, Er. Satish Raipure, Alumini & now Director, Raipure & Associates is welcomed by Dr. R.R. Dighade. Department also welcomed Ms. Disha S. Kukekar and Mr. S.M. Agrawal as new BoS members.

Item No. 22.03

Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.

The minutes of previous meeting no. 20 & Emergent meeting no.21 held on 09/01/2018 & 24/03/2018 respectively were already circulated to all members. Since there was no comment from any member, the chairman requested to accept the minutes. Dr. A.V. Patil proposed the minutes to be accepted. The minutes were then accepted.

Item No. 22.04

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board.

All members were asked if any further correction or amendment was required to be done in the scheme of examination of the Undergraduate and Post graduate programs.

No correction and amendments were proposed by any members finally it was unanimously resolved that the present scheme of examination continued to be adopted.

Item No. 22.05

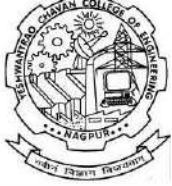
To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board.

All members were asked if any further correction or amendment was required to be done in the syllabus of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs of Undergraduate and Post graduate programs.

Prof. H.R. Nikhade suggested some minor changes in the course CV 1452 PE IV: Advanced Surveying . Prof. H.M. Warade suggested New Professional Electives to be incorporated in the existing scheme of 2014-15 as PE-I and PE-III, namely, Project planning and Management (Construction Engineering & Management) and Waste to Energy Conversion respectively. The framing of the syllabus of both these courses is in process. It is proposed to offer CV 1448 PE-III Remote sensing & GIS from the Even Term 2018-19. The chairman and BoS experts approved it. Some correction in the syllabi of various courses are

Course Code	Course Name	Suggestions by Experts and Course Teachers
CV-1208(course code may differ in new scheme)	Concrete Technology	Advanced concrete testing equipment. Added in unit III
CV-1210 (course code may differ in new scheme)	Surveying-I	Contents from Survey-I and survey-II added in the course for the scheme 2018-19.
CV-1212(course code may differ in new scheme)	Environmental Engineering-I	Leakage and leak detector added in unit v of new scheme 2018-19.
CV-1421	Estimating & Costing	Earthwork estimates in road, hill roads and canals added in unit IV
CV1428	PE-IV Earthquake Engineering	Design of load bearing structure should be included in unit no.6. Mitigation and disaster management should be curtailed

For MTech Structural and Environmental Engineering new scheme of syllabus 2018-19 will be implemented.



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DEPARTMENT OF CIVIL ENGINEERING

Item No. 22.06

To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

All members were asked to suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

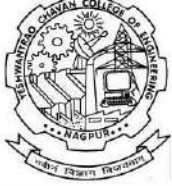
No correction were proposed by any members.

Item No. 22.07

To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post-Graduate programs.

All members were asked if any correction or amendment was required to be done in the list of experiments in Autonomous 2014 Schemes of Undergraduate and Post graduate programs of Undergraduate and Post graduate programs.

No change in the current syllabus of laboratory courses were proposed by any members.



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DEPARTMENT OF CIVIL ENGINEERING

Item No. 22.08

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.

The chairman asked to suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs.

All BoS Experts welcomed and appreciated the initiative taken by the Institute for Semester Long Internship programme.

Item No. 22.09

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.

Suggestions from BoS Expert were

1. Conventional Teaching method i.e. Chalk-Duster is best.
2. Ask students to choose MOOCs on Research Methodology, Stastical Analysis, any of the research courses which will benefit them in future
3. Use of Google -Classroom where the students will submit their assignments.

Item No. 22.10

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of ODD Term 2018-19

It was decided to finalized panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs in End Semester Examination of Odd Term 2017-18 on 3rd August.2018 (Sub-committee meeting)

Item No. 22.11

To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of ODD Term 2018- 19

It was decided to finalized panel of paper setters, Moderators and Valuers for the various theory courses at Post Graduate programs in End Semester Examination of Odd Term 2017-18 on 3rd August.2018 (Sub- committee meeting)

Item No. 22.12

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination ODD Term 2018-19

It was decided to finalized panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Odd Term 2017-18 on 3rd August.2018 (Sub-committee meeting)

Item No. 22.13

Preparation of Electronic Question Bank for VII and VIII Sem. UG courses

To review solutions to all questions of Electronic Question Banks for all courses IV Sem.

It was informed by concerned members that the work of electronic question bank for VII and VIII sem. is in progress. It was decided to finalize the same for V and VI Sem. Semester by 31st July 2018. Validation of Electronic question bank for IV is done and concerned faculty were asked to prepare solutions to all questions.

Item No. 22.14



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DEPARTMENT OF CIVIL ENGINEERING

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

All members were asked to suggest the changes/additions/deletions/alterations in the existing Evaluation Process like examination paper pattern, use of question banks etc. for theory courses, conduct of examinations for non-theory courses, seminars, Industrial case study, Project (including mini), etc.

It was proposed that there should be no external part(External examiner) for evaluation of Non-Theory courses.

Item No. 22.15

To prepare and propose Scheme of Examination 2018 for UG & PG programmes.

New proposed SoE 2018-19 was discussed with all the BoS members. Few suggestions from BoS Expert were

- For the subjects where design part is involved drawing sheets must be mandatory.
- Survey camp is strongly recommended.
- Use of ExcelWorkbook for Estimating & Costing practical course.
- Subjects &/or Electives related with Infrastructure practice, Planning Management(Metro/Urban Transportation/ Ports & Harbours/Airports/Roads) should be added.
- Remove Mathematics -III & Mathematics -IV courses from Civil Courses .Instead provide courses of the core discipline.
- Use of New software based courses like TransCAD, Spread sheet, Statistical Sheets, MATLAB/ANN/Water Gems/Sewer Gems should be incorporated in the curriculum.
- IOT as open elective must be add in the curriculum..
- New topics in the few courses were suggested by BoS Experts and asked the respective faculty to incorporate the same in the new as well as existing scheme.

The suggestions from the Experts are welcomed by the Chairman, BoS. It was decided to put up the matter in Academic council meet for further deliberations and discussions.

It is further notified by all BoS members that BoS Chairman is empowered to finalize SoE

Item No. 22.16

To discuss the feedback received from students/teachers/employers/alumni/parents regarding teaching learning process in order to review and design the syllabus.

The current SoE & curriculum of 2014-15 has been discussed with stakeholders of the department including students/teachers/employers/alumni/parents , and necessary inputs in the form of feedback has been collected from them.

Necessary and valuable inputs has been put forward by stakeholders for new SoE and curriculum 2018- which will be incorporated while preparing of the said curriculum.

Item No. 22.17

Any other matter with the permission of the Chair

It was informed by Chairman BoS that CDW will probably be held in the month of November-December 2018 and asked the faculty to prepare the syllabus as per new guidelines and suggestions from BoS Experts.

The meeting ended with thank to chair.

Prof. Ms. C.S. Waghmare
Member Secretary
Board of Studies Civil Engineering

Dr. S.R. Khandeshwar
Head & Chairman,
Board of Studies Civil Engineering



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Department of Mechanical Engineering

-01/08/2018

Minutes of BOS Meeting

The **twenty first meeting** of the Board of Studies in **Mechanical Engineering** is held on **Saturday 28th July 2018** in the **E-Class Room (ME-106) of Mechanical Engineering Department at 11:30 AM.**

Minutes for the meeting are as follows:

Item No. 21.01

Welcome of members.

Chairman, Board of Studies, offered floral welcome to the members. Dr. P. M. Padole has been appointed and taken over as Director of VNIT. This was a proud moment. Dr. Padole was felicitated at the hands of Dr. Kale by offering Shawl and Shrifal

Item No. 21.02

Installation of member Secretary.

Prof. M. R. Kotwal has been given the responsibility as new Member Secretary of the BoS of Mechanical Engineering department. He was formally offered floral welcome at the hands of Dr. Chadge.

21.03

Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.

The motion for confirmation of minutes was moved by Prof. S. S. Akant and seconded by Prof. S. D. Kshirsagar and was accepted unanimously

Item No. 21.04

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board

No changes were suggested.

Item No. 21.05

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board.

No Change in the existing scheme.

Department of Mechanical Engineering

Item No. 21.06

To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

No Change in the existing scheme.

Item No. 21.07

To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.

No Change.

Item No. 21.08

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.

No Change.

Item No. 21.09

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.

No suggestions about inclusion of New Courses.

Item No. 21.10

To prepare and propose the panel of paper Setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Odd Term 2018-19.

Prepared and proposed the panel of Paper Setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Odd Term 2018-19 is accepted.

Item No. 21.11

To prepare and propose the list of question paper Setters and Evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Odd Term 2018-19

Prepared and proposed the list of question Paper Setters and Evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Odd Term 2017-18 is accepted with minor changes



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Department of Mechanical Engineering

Item No. 21.12

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2017-18.

Prepared and proposed the panel of Internal and External Examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Odd Term 2018-19 is accepted with minor changes.

Item No. 21.13

**Preparation of Electronic question Bank for VII and VIII Sem. UG courses
To review solutions to all questions of Electronic Question Banks for all courses of V SEM.**

Chairman mentioned that separate committee under the guidance of Prof. V.M. Korde is already working on this process and Question Banks are ready up to Fifth Semester.

Item No. 21.14

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

No change.

Item No. 21.15

To prepare & propose Scheme of Examination 2018 for UG & PG program.

Prof. Kotwal raised the issue of recent revision in the Syllabus for degree in Mechanical Engineering in line with the model curriculum given by AICTE. Looking at the admission scenario, We at YCCE must maintain our identity and provide best possible Education to our Students. The recent revision of syllabus resulted in clubbing of Subjects, resulting in loss of depth. Some important Core Subjects are also converted in to Electives. The revision is likely to result in decrease in Quality of our Students. Hence he suggested to carry out indepth analysis and proper discussions before implementing the model curriculum of AICTE.

Dr. Padole also supported the issue. He suggested to find out whether the Modified Syllabus satisfies the needs of the Industry and Students. He recommended to use a flexible approach, discussions in the department to address the issue. He quoted that, in VNIT, the B.E. Mech. Eng. Syllabus which was of 175 - 180 credits, was reduced to 160 credits on AICTE recommendations. But they have again increased the Credits to around 170-172, to accommodate for important Core Subjects. This was supported by Dr. Giri, Dr. Kshirsagar, Dr. Chadge and most of the Board members.



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Department of Mechanical Engineering

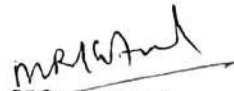
Item No. 21.16

Any other matter with the permission of the Chair.

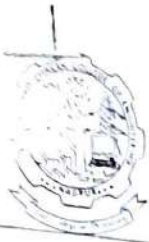
The issue of preparation of Perspective Plan of the Department was raised by Dr. Giri. This issue was related to the recent meeting of Hon. Sagarji Meghe, Secretary, NYSS, with the Teachers of the Institute where he expressed concern about the future of YCCE. Dr. Giri stressed on the need to carry out detailed discussions to identify the Thrust areas where the Department wants to develop. It was decided to hold a one day workshop for the same, during the MSE II examination.

The meeting concluded with thanks to the Chair.


Dr. S.S. Chaudhari
Chairman
BoS in Mechanical Engineering
Engineering


Prof. M.R. Kotwal
Member Secretary
BOS in Mechanical

Dr. S. S. Chaudhari
Head, Dept. Of Mechanical Engineering
YCCE, Nagpur



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Department of Mechanical Engineering

19/01/2019

Minutes of BOS Meeting

The **twenty second meeting** of the Board of Studies in **Mechanical Engineering** is held on **Saturday 12th January 2019** in the **E-Class Room (ME-106) of Mechanical Engineering Department at 11:30 AM.** Minutes for the meeting are as follows:

The meeting was attended by 38 members of BOS of Mechanical Engineering Department (List attached) and the following members, namely, Dr. Padole, Shri Santosh Umalkar, Dr. Shrivastava and Prof. Bamnote were granted leave of absence. The following business was transacted in the meeting.

Chairman, Board of Studies, Dr. Chaudhari offered floral welcome to external members, extended welcome to all the members of BOS and requested The Member Secretary to start the proceedings of the BOS meeting.

The Member Secretary offered Welcome to all the members of BOS and started with the proceedings of 22nd BOS meeting.

Item No. 22.01

Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.

The minutes of the 21st BOS meeting held on 28th July 2018 were read by the Member Secretary. The motion for confirmation of minutes was moved by Dr. Kshirsagar, seconded by Dr. Chadge and was accepted unanimously.

Item No. 22.02

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014 & Autonomous 2018) of the Undergraduate and Post graduate programs conducted under the Board.

In the meeting called by Principal YCCE, on 11 January 2019, the Dean of Academic Matters directed all the Head of Departments to make changes in the SOE 2014 for Post Graduate program. It was suggested that the Subjects from third semester be shifted to earlier semesters so that the students will be free to undertake training/Project work in the Industries for the entire semester. The same was placed by the Chairman BOS in the meeting for consideration of members. This was discussed in depth and the members opined that this will enhance the employability of our PG students however it is likely to create unbalance in the Curriculum. Accordingly the following changes were suggested in the SOE of Autonomous 2014 for PG course in CAD/CAM. The subject ME 1921 - Product Design and Development is proposed to be shifted from third Semester to the first semester and Professional Elective III is proposed to be shifted from third Semester to second semester. With this change the semester wise credits as - Semester I (20), Semester II (20), Semester III (8) and Semester IV (12).

In the last BOS meeting, addition of some important Core Subjects to the B. E. Curriculum was proposed to be carried out. Accordingly the subject - Control Systems Engineering is introduced as a Core subject at the Sixth semester. Dr. Awari suggested to obtain inputs from Industry for framing the syllabus of this subject.



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Item No. 22.03

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 & Autonomous 2018 Schemes of Undergraduate and Post graduate programs conducted under the Board.

No changes were suggested in the syllabi of Autonomous 2014 scheme. In Autonomous 2018 Scheme, in the Subject Material Science and Metallurgy, in the last unit, it was proposed to add "Introduction to Composites, Polymers and NDT". This change was accepted unanimously.

Item No. 22.04

To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

No changes proposed.

Item No. 22.05

To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.

No changes proposed.

Item No. 22.06

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.

No changes proposed.

Item No. 22.07

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.

No new Courses proposed.

Item No. 22.08

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-19

The panel of Paper Setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-19 is proposed and accepted.

Item No. 22.09

To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Even Term 2018-19

The panel of Paper Setters, Moderators and Valuers for the various theory courses at Postgraduate programs that will be examined in End Semester Examination of Even Term 2018-19 is proposed and accepted.



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Department of Mechanical Engineering

Item No. 22.10

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-19

The panel of Internal and External Examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-19 is proposed and accepted.

Item No. 22.11

Preparation of Electronic question Bank for V and VI Sem. UG courses. To review solutions to all questions of Electronic Question Banks for all courses of IV SEM.

The BOS was informed that the preparation of Electronic Question Bank is completed up to V semester and the work for VI semester is currently in process.

Item No. 22.12

To discuss and suggest the changes / additions / deletions / alterations in the existing Evaluation Process for theory and other courses.

No changes proposed.

Item No. 22.13

To prepare & propose Group of minor courses and Group of honor courses to be offered.

No discussions were held, as the details of the written proposal about the introduction of Minor Courses and Honor Courses was not received from the office of Dean (Academic Matters).

Item No. 22.14

To propose to provision for PG students for Year Long Internship i.e. offer courses of 3rd Semester in Special Summer Term.

No proposal was required as the subjects are proposed to be shifted to Semester I and Semester II.

Item No. 22.15

Any other matter with the permission of the Chair.

- 1) Dr. Chadge and Dr. Kamble proposed the introduction of CAD as a compulsory subject for the students of Mechanical Engineering instead of Control Systems Engineering. Experts opined that Control Systems Engineering is more important due to development in the field of Automation. It was decided to seek permission of Academic Council for introducing CAD as additional compulsory subject.
- 2) The Chairman BOS put forth the issue of framing same CO for the Theory and Laboratory Courses. The Experts and all the Board members were unanimous in expressing that the CO's for Theory and Lab Courses can be different.
- 3) **The issue of change in the ESE of Laboratory Courses from Odd Semester of Session 2018-19 was raised in the meeting. The ESE of Lab. Courses in Odd Semester was conducted by the Internal Examiner only, without External Examiner. However in Even**



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Semester, for ESE of Lab. Courses the Examination will be conducted by both Internal and External Examiners. This change was implemented by Academic Council. The members of BOS expressed their views, to know, what prompted the Academic Council to differentiate between Odd and Even Semester and what were the reasons for removal of External Examiners from ESE of Lab Courses. The members were unanimous in seeking the required information from Academic Council.

The meeting concluded with thanks to the Chair.

Dr. S.S. Chaudhari

Chairman

BoS in Mechanical Engineering

Prof. M. R. Kotwal

Member Secretary

BOS in Mechanical Engineering



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Department of Electrical Engineering

22nd Board of Studies in Electrical Engineering Minutes of the Meeting

Date: 28 July 2018

Meeting of the Board of Studies (BoS) in Electrical Engineering was held on Saturday : 28 July 2018 at 11 am in the Department of Electrical Engineering, YCCE, Nagpur. The meeting was attended by the following members of BoS.

S. N.	Name	S. N.	Name
1.	Dr.B.Y.Bagde (Chairman,BoS)	18	Mrs.Xma R.Pote
2.	Dr.B.S.Umre (Academic)	19	Ms.J.M.Kumbhare
3.	Dr.M.A.Chaudhari (Academic)	20	Mr.G.C.Gondhalekar
4.	Dr.Altaf Badar (Alumni)	21	Mr.S.R.Gaigowal
5.	Mr.Pramod Chimankar (Industry)	22	Mr.B.S.Sudame
6.	Dr.R.M.Moharil	23	Ms.S.L.Tiwari
7.	Dr.S.G.Kadwane	24	Mrs.U.V.Waghmare
8.	Mrs.A.Y.Fadnis	25	Ms.N.P.Wasnik
9.	Dr.P.M.Meshram	26	Mr.R.S.Khonde
10.	Mr.R.N.Nagpur	27	Mr.A.A.Joshi
11.	Mr.S.S.Gokhale	28	Mr.K.A.Onkar
12.	Dr.S.P.Adhau	29	Ms.S.S.Ghadyalji
13.	Mr.J.A.Shaikh		
14.	Mr.R.M.Gimonkar		
15.	Mr.P.S.Patil		
16.	Dr.S.P.Gawande		
17.	Mrs.N.T.Sahu(Shrirao)		

Leave of absence was granted to:

S. N.	Name	S. N.	Name
1	Mr.A.P.Munshi(Admission)		Mr.P.B.Joshi (Audit)
2	Ms.S.B.Rewatkar(Exam)		Mr.P.S.Shete (Audit)
3	Ms.T.D.Tembhekar(Exam)		
4	Ms.A.D.Bonde(Exam)		



Department of Electrical Engineering

Saturday 28th July 2018

22.01	<p>Welcome of new members</p> <p>The Academic and Alumni (External Experts) were welcomed</p> <p>Dr.B.S.Umre (Academic)</p> <p>Dr.M.A.Chaudhari (Academic)</p> <p>Dr.Altaf Badar (Alumni)</p>
22.02	<p>Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.</p> <p>Minutes of 21st BoS Meeting were confirmed</p>
22.03	<p>To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post-graduate programs conducted under the Board</p> <p>No changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post-graduate programs were suggested</p>
22.04	<p>To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board.</p> <p>Suggestions regarding changes in the syllabi of following courses were given and confirmed :</p> <ul style="list-style-type: none">• EL1431: PEII: Advanced Control System• EL1433 : Renewable Energy Sources• EL1436: PEIV :Fundamentals of Smart Grid• EL1302: Power Electronics• EL1311: PEI: Advanced Power Electronics <p>(ANNEXURE A)</p>
22.05	<p>To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.</p> <ul style="list-style-type: none">• No Suggestions
22.06	<p>To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post-Graduate programs.</p>



Department of Electrical Engineering

	<ul style="list-style-type: none">• EL1919 LAB: RENEWABLE ENERGY SYSTEMS (List of Experiments)• ANNEXURE B
22.07	<p>To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post-graduate programs conducted under the Board.</p> <ul style="list-style-type: none">• No Suggestions
22.08	<p>To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.</p> <ul style="list-style-type: none">• No Suggestions
22.09	<p>To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of ODD Term 2018-19</p> <ul style="list-style-type: none">• Panel of Paper setters, moderators and valuers were included in the list of YA 11.
22.10	<p>To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of ODD Term 2018-19</p> <ul style="list-style-type: none">• Panel of Paper setters, moderators and valuers were included in the list of YA 11.
22.11	<p>To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination ODD Term 2018-19</p> <ul style="list-style-type: none">• Panel of Paper setters, moderators and valuers were included in the list of YA 12.
22.12	<ul style="list-style-type: none">• Preparation of Electronic question Bank for VII and VIII Sem UG courses• To review solutions to all questions of Electronic Question Banks for all courses of V SEM• Preparation of Electronic Question Bank for VII and VIII Semester UG courses have started• Review process of solutions for V Semester is in progress



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22.13	<p>To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.</p> <ul style="list-style-type: none">• For Diploma students of Third Semester NO MSE will be conducted. Instead of MSE ,the End Semester Examination will be for 100 marks and not 60 marks.
22.14	<p>To prepare and propose Scheme of Examination 2018 for UG and PG programmes.</p> <p>Scheme of Examination 2018 for UG and PG programmes was presented and Confirmed.</p>
22.15	<p>Any other matter with the permission of the Chair.</p> <p>The Vision ,Mission and PSO's of the Department were presented and approved by BoS Members in the Meeting.</p> <ul style="list-style-type: none">• ANNEXURE C

Mrs.Xma Pote

Secretary ,BoS,

Dr.B.Y.Bagde
HoD

Nagar Yuwak shikshan Sanstha's
Y. C. C. E ,WANADONGRI ,NAGPUR.
Department Of Electrical Engineering
TEACHING STAFF

BOS 22nd meeting,28th July,2018

Sr.No	Name of Faculty	Signature
1	Mr B Y Bagde	
2	Dr R M Mohari	
3	Dr.R.D.Thakare	
4	Dr. S. G. Kadwane	<i>S. Kadwane</i>
5	Mrs.A.Y.Fadnis	<i>A. Fadnis</i>
6	Dr.P.M.Meshram	<i>P. Meshram</i>
7	Mr R.N.Nagpure	<i>R. Nagpure</i>
8	Mr S S Gokhale	<i>S. Gokhale</i>
9	Dr Mrs S P Adhau	<i>S. Adhau</i>
10	Mr.J.A.Shaikh	
11	Mr.R.M.Gimonkar	<i>R. Gimonkar</i>
12	Mr.A.P.Munshi	
13	Mr P.S.Patil	<i>P. Patil</i>
14	Ms S B Rewatkar(Kewte)	
15	Ms T.D.Tembhekar(Sakhare)	
16	Dr.S.P.Gawande	<i>S. Gawande</i>
17	Ms.N.T.Sahu(Shirao)	<i>N. Sahu</i>
18	Mr.A.S.Lihare	<i>A. Lihare</i>
19	Mr.V.R.Doifode	<i>V. Doifode</i>
20	Mrs. X. R. Pote	
21	Ms J.M.Kumbhare	<i>J. Kumbhare</i>
22	Mr P. S. Shete	
23	Mr.G. C.Gondhalekar	<i>G. Gondhalekar</i>
24	Mr.S.R. Gaigowal	<i>S. Gaigowal</i>
25	Mr..B.S.Sudame	<i>B. Sudame</i>
26	Ms S.L.Tiwari	<i>S. Tiwari</i>
27	Mr P.B.Joshi	
28	Mrs.U.V.Waghamare	<i>U. Waghamare</i>
29	Ms.N. P.Wasnik	<i>N. Wasnik</i>
30	Mr.R. S.Khonde	<i>R. Khonde</i>
31	Mr.A.A.Joshi	<i>A. Joshi</i>
32	Mr.K.A.Onkar	<i>K. Onkar</i>
33	Ms A.D.Bonde	
34	Ms.S.S.Ghadyalji	<i>S. Ghadyalji</i>
35	Mr A.V.Hardas	
36	Dr.B.S.Umre	<i>B. Umre</i>
37	Dr.M.A.Chaudhari	<i>M. Chaudhari</i>
38	Dr.Altaf Badar	<i>A. Badar</i>
39	Mr.Pramod Chimankar	<i>P. Chimankar</i>



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Department of Electrical Engineering

23rd Board of Studies in Electrical Engineering

Minutes of the Meeting

Date: 19 January 2019

Meeting of the Board of Studies (BoS) in Electrical Engineering was held on Saturday 19 January 2019 at 11 am in the Department of Electrical Engineering, YCCE, Nagpur. The meeting was attended by the following members of BoS.

S. N.	Name	S. N.	Name
1.	Dr.B.Y.Bagde (Chairman,BoS)	16	Mr.A.S.Lilhare
2.	Dr.B.S.Umre (Academic)	17	Ms.J.M.Kumbhare
3.	Dr.M.A.Chaudhari (Academic)	18	Mr.P.S.Shete
4.	Dr.Altaf Badar (Alumni)	19	Mr.G.C.Gondhalekar
5.	Mrs.Xma R.Pote (Secretary,BoS)	20	Mr.S.R.Gaigowal
6.	Dr.R.M.Moharil	21	Mr.B.S.Sudame
7.	Dr.S.G.Kadwane	22	Ms.S.L.Tiwari
8.	Mrs.A.Y.Fadnis	23	Mrs.U.V.Waghmare
9.	Dr.S.P.Adhau	24	Ms.N.P.Wasnik
10.	Mr.R.M.Gimonkar	25	Mr.R.S.Khonde
11.	Mr.P.S.Patil	26	Ms.A.D.Bonde
12.	Dr.S.P.Gawande	27	Ms.S.S.Ghadyalji
13.	Mrs.Xma R.Pote	28	Mrs.Rasika Shringarpure
14.	Ms.S.B.Rewatkar(Kewte)		
15.	Ms.T.D.Tembhekar		

Leave of absence was granted to:

S.N	Name	S.N	Name
1	Dr.S.S.Dambhare(VC Nominee)	7	Mrs.N.T.Sahu
2	Mr.Prashant Chimankar(Industrial)	8	Mr.A.P.Munshi
3	Dr.P.M.Meshram	9	Mr.P.B.Joshi
4	Mr.R.N.Nagpure	10	Mr.V.R.Doifode
5	Mr.S.S.Gokhale	11	Mr.A.V.Hardas
6	Mr.J.A.Shaikh		



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Saturday 19th January 2019

23.01	Welcome of new members : Rasika Shringarpure
23.02	Confirmation of minutes of previous Meeting and action taken report on decisions /suggestions of the previous meeting. <ul style="list-style-type: none">• Minutes of 22nd BoS Meeting were confirmed
23.03	To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014 & Autonomous 2018) of the Undergraduate and Post graduate programs conducted under the Board <ul style="list-style-type: none">• <u>Following change in the Scheme of Examination (known as Autonomous 2018) of the Undergraduate and Post graduate programs were suggested and approved</u> <p>Undergraduate program</p> <p>New Scheme 2019 for B.E (3rd and 4th Semester) was designed and approved by BoS members.</p> <ul style="list-style-type: none">• Annexure A <p>Post graduate program</p> <p>New Scheme 2019 for M.Tech (IPS) was designed and approved by BoS members.</p> <ul style="list-style-type: none">• Annexure B
23.04	To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 & Autonomous 2018 Schemes of Undergraduate and Post graduate programs conducted under the Board. <ul style="list-style-type: none">• Suggestions regarding changes in the syllabi of following courses were presented and approved by BoS members <p>B.E: IIIrd Semester : EL-2207: Electrical Measurement and Instrumentation M.Tech(IPS) IIIrd Semester : EL-2932: PEIII: Electrical Distribution System</p> <ul style="list-style-type: none">• Annexure C
	To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs. <ul style="list-style-type: none">• No Suggestions
23.06	To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post-Graduate programs. <ul style="list-style-type: none">• No Suggestions
23.07	To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.



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	<ul style="list-style-type: none">• No Suggestions
23.08	To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum <ul style="list-style-type: none">• No Suggestions
23.09	To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-19 <ul style="list-style-type: none">• Panel of Paper setters, moderators and valuers were included in the list of YA 11
23.10	To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Even Term 2018-19 <ul style="list-style-type: none">• Panel of Paper setters, moderators and valuers were included in the list of YA 11
23.11	To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-19 <ul style="list-style-type: none">• Panel of Paper setters, moderators and valuers were included in the list of YA 12.
23.12	Preparation of Electronic question Bank for V and VI Sem UG courses To review solutions to all questions of Electronic Question Banks for all courses of IV SEM <ul style="list-style-type: none">• Preparation of Electronic Question Bank for VI Semester UG courses have started• Electronic Question Bank for V Semester is complete• Review process of solutions for IV Semester is in progress
23.13	To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses. <ul style="list-style-type: none">• No Suggestions
23.14	To prepare & propose Group of minor courses and Group of honour courses to be offered.
23.15	To propose to provision for PG students for Year Long Internship i.e. offer courses of 3 rd Semester in Special Summer Term <ul style="list-style-type: none">• Courses of 3rd Semester will be offered in Special Summer Term.
23.16	Any other matter with the permission of the Chair. According to the feedback received from external paper setters and practical examiners it was suggested unanimously that the remuneration of external examiners should be given in Cash instead of account pay.

Dr. B. Y. Bagde

Head of Department

Dr. B. Y. Bagde
19/01/2019



Nagar Yuwak Shikshan Sanstha's

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Department of Electrical Engineering



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Nagar Yuwak Shikshan Sanstha's
Yeshwantrao Chavan College of Engineering
(An Autonomous Institution Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur.

DEPARTMENT OF ELECTRICAL ENGINEERING
Session 2018-19
BoS MEETING

Name of Faculty	Sign	Name of Faculty	Sign
Dr.B.Y.Bagde		Prof.P.S.Patil	
Dr.R.M.Moharil		Prof.A.P.Munshi	
Dr.S.G.Kadwane		Prof.S.B.Rewatkar	
Dr.R.D.Thakare		Prof.N.T.Sahu	
Dr.P.M.Meshram		Prof.T.D.Tembhekar	
Prof.A.Y.Fadnis		Prof.X.R.Pote	
Prof.R.N.Nagpure		Prof.S.R.Gaigowal	
Prof.S.S.Gokhale		Prof.G.C.Gondhalekar	
Dr.S.P.Adhau		Prof.A.S.Lilhare	
Prof.J.A.Shaikh		Prof.V.R.Doifode	
Prof.R.M.Gimonkar		Prof.P.S.Shete	
Dr.S.P.Gawande		Prof.J.M.Kumbhare	
Prof.B.S.Sudame		Prof.A.A.Joshi	
Prof.S.L.Tiwari		Prof.A.V.Hardas	
Prof.P.B.Joshi		Prof.K.A.Onkar	
Prof.U.V.Waghmare			
Prof.N.P.Wasnik			
Prof.R.S.Khonde			
Prof.A.D.Bonde			
Prof.S.S.Ghadyalji			



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Department of Electronics Engineering

Boards of Studies in Electronics Engineering

Minutes of the Meeting No. 23

Meeting No. 23,

Date: 28th July 2018

Meeting no. 23 of the Board of Studies in Electronics Engineering was held on 28th July 2018 at 10.00 A.M. in the Department library of Electronics Engineering department.

The meeting was attended by the following members of BoS.

- | | | |
|------------------------|-------------------------|-------------------------|
| 1. Dr.R.B.Deshmukh | 13. Ms. P. P. Zode | 25. Mr. K.G.Pande |
| 2. Dr.K.D.Kulat | 14. Mr. P. P. Zode | 26. Mr.A.B.Thatere |
| 3. Dr.P.T.Karule | 15. Ms. P. P. Palsodkar | 27. Mr.V.D. Alagdeve |
| 4. Mr. S.M. Kakde | 16. Ms.T.G.Panse | 28. Mr. A.A.Peshettiwar |
| 5. Dr.A.S.Khobragade | 17. Ms.R. S. Balpande | 29. Ms. Y. A. Gaidhani |
| 6. Dr.S.V.Rathkantiwar | 18. Ms. M.N.Kalbande | 30. Ms. R.S.Keote |
| 7. Prof. M. S. Pawar | 19. Mr. P.M. Palsodkar | |
| 8. Dr.P.K.Dakhole | 20. S. R.Nitanavare | |
| 9. Dr.R.D.Thakare | 21. Ms.A.D.Tijare | |
| 10. Dr. A.V.Bapat | 22. Ms. P.A.Jadhav | |
| 11. Mr.S.Y.Ambatkar | 23. Mr.Somulu G. | |
| 12. Mr. A. V. Gokhale | 24. Ms.S. A.Dhondse | |

Leave of absence was granted to

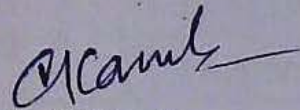
- 1.Mr.Unmesh Oke 2.Ms.Chaitali Darode

The following agenda points were deliberated in the meeting

23.01	<p>Welcome of new members</p> <p>:- Dr.P.T.Karule, took a charge of HoD from 1st July 2018, & therefore as per academic regulation he is new Chairman, BoS, Electronics Engineering from session 2018-19 onwards.</p> <p>Nomination of External Experts on The BoS.</p> <p>BoS proposed names of external experts on BoS for further recommendations :</p> <ol style="list-style-type: none"> 1) Dr. K.D.Kulat, VNIT, Nagpur - Subject expert from outside the college 2) Dr. R.B.Deshmukh, VNIT, Nagpur - Subject expert from outside college 3) Mr. Unmesh Oke, Unique Automation, IT Park, Nagpur - Representative from industry 4) Ms. Chaitali Darode - Postgraduate meritorious alumnus
23.02	<p>Installation of member Secretary</p> <p>Chairman constituted new committee under EX14.1 as under :</p> <p>Dr. P.T.Karule – Chairman Mr. Sandeep Kakde – Member Secretary Prof. S.Y.Ambatkar – Senior Member Prof. R.D.Thakare – Invitee Member</p>
23.03	<p>To confirm the minutes of 22nd Meeting of BoS.</p> <p>The minutes of the 22nd Meeting of BoS in Electronics Engineering held on 23rd January 2018 were placed on the table by Chairman Dr.P.T.Karule were confirmed unanimously.</p>
23.04	<p>To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board</p> <p>No Change.</p>
23.05	<p>To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of and Post graduate programs conducted under the Board. (Comment: Consider the remarks given by the faculty in course completion reports of previous terms)</p> <p>The minor changes in the syllabi of courses</p> <ol style="list-style-type: none"> 1. 6th Semester - EE1330-OE II -Biomedical Instrumentation 2. 8th Semester- EE1416-PE V- Biomedical Instrumentation & its Applications
23.06	<p>To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.</p> <p>The changes in the books/ Reference Books/ Literature:</p> <ol style="list-style-type: none"> 1. Introduction to Biomedical Instrumentation by Mandeep Singh, PHI Publication.
23.07	<p>To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-and Post Graduate programs.(Comment: The laboratory courses may be described in greater details for easy understanding by students.)</p> <p>No Change.</p>
23.08	<p>To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.</p> <p>No Change.</p>
23.9	<p>To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.</p> <p>No Change.</p>
23.10	<p>To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of ODD Term 2018-19.</p> <p>:-The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs for End Semester Examination of ODD Term 2018-19 was constituted.</p>
23.11	<p>To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of ODD Term 2018-19. (Comment: Question papers of all the courses of PG programs are set and evaluated by the course instructor from Odd Term 2018-19. The grades of the students will also be decided by the Course Instructors.)</p> <p>:-The panel of paper setters, Moderators and Valuers for the various theory courses at Postgraduate</p>

	programs for End Semester Examination of ODD Term 2018-19 was constituted.
23.12	To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Odd Term 2018-19. :-The panel of internal and external examiners for the various laboratory courses at UG and PG levels for End Semester Examination of ODD Term 2018-19 was constituted.
23.13	<ul style="list-style-type: none"> ▪ Preparation of Electronic question Bank for VII and VIII Semester UG courses. To review solutions to all questions of Electronic Question Bank for all courses of V semester. Question bank for 7th and 8th semester UG courses is under preparation. Solution set for 5th Sem courses question bank is under preparation.
23.14	To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses. No Change
23.15	To prepare & propose Scheme of Examination 2018 for UG & PG programmes. The Scheme of Examination 2018 for UG & PG programme is prepared.
23.16	Any other matter with the permission of the Chair Formal Thanks to External Experts on The BoS, BoS Members and member secretary.

The meeting was concluded with thanks to the Chair. BoS Chairman has the authority to final the Scheme of Examination.



Dr. P. T. Karule
Chairman
BoS in Electronics Engineering



Mr. Sandeep Kakde
Member Secretary
BoS in Electronics Engineering

Date: 28th July 2018

Composition of Board of Studies in Electronics Engineering

S. No.	Provision	Name of Member	Membership
1.	Head of the department	Dr. P. T. Karule	Chairman
2.	Faculty Member	Mr. S. M. Kakde	Member Secretary
3.	Faculty Member	Dr. A.V.Bapat	Member
4.	Faculty Member	Dr.A.S.Khobragade	Member
5.	Faculty Member	Dr. P. K. Dakhole	Member
6.	Faculty Member	Dr.S.V.Rathkanthiwar	Member
7.	Faculty Member	Dr. R.D. Thakare	Member
8.	Faculty Member	Mr. M.S.Pawar	Member
9.	Faculty Member	Mr. A. V. Gokhale	Member
10.	Faculty Member	Mr. A. B. Thatere	Member
11.	Faculty Member	Mr. S. Y. Ambatkar	Member
12.	Faculty Member	Dr. U. S. Ghodeswar	Member
13.	Faculty Member	Mr. P. P. Zode	Member
14.	Faculty Member	Dr. P. P. Palsodkar	Member
15.	Faculty Member	Ms. P. P. Zode	Member
16.	Faculty Member	Ms. T. G. Panse	Member
17.	Faculty Member	Ms. M. N. Kalbande	Member
18.	Faculty Member	Ms. Y. A. Gaidhani	Member
19.	Faculty Member	Ms. R. S. Balpande	Member
20.	Faculty Member	Mr. P. M. Palsodkar	Member
21.	Faculty Member	Ms. A. D. Tijare	Member
22.	Faculty Member	Mr. S. Goguluthu	Member
23.	Faculty Member	Mr. V. D. Alagdeve	Member

24.	Faculty Member	Ms. P.A.Jadhav	Member
25.	Faculty Member	Ms. R. S. Keote	Member
26.	Faculty Member	Ms. S. R.Nitnaware	Member
27.	Faculty Member	Ms. S. A. Dhondse	Member
28.	Faculty Member	Mr. A. A. Peshettiwar	Member
29.	Faculty Member	Mr. Kuldeep Pande	Member
30.	Faculty Member	Ms. Swati Mohod	Member
31.	Subject expert from outside the college to be nominated by the Academic Council.	Dr. R.B.Deshmukh, VNIT, Nagpur	Member
32.		Dr. K.D.Kulat, VNIT, Nagpur	Member
33.	Expert nominated by the vice-chancellor	Dr. S.S. Limaye	Member
34.	Representative from industry/corporate sector/allied area relating to placement.	Mr. Unmesh Oak	Member
35.	Postgraduate meritorious alumnus nominated by the Principal	Ms. Chaitali Darode	Member

6th Semester

EE1330	OE II : Biomedical Instrumentation	L= 3	T = 0	P = 0	Credits = 3
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Evaluation Scheme	MSE-I	MSE-II	TA	ESE	Total	ESE Duration
	15	15	10	60	100	3 Hrs

Objective	Outcome
<p>> This course is intended for exposing the students to basics of biomedical instrumentation.</p>	<p>Students</p> <ol style="list-style-type: none"> 1. Will learn the basic concepts of biomedical instrumentation. 2. Will be introduced to transducers and will learn about biomedical transducers 3. Will learn measurement techniques which involved in processes such as cardiovascular measurements. 4. Will also learn techniques in x-rays, EMG, etc 5. Will learn techniques and practices for patient care 6. Will learn about the history and use of computers in biomedical instrumentations.

UNIT-1:

Introduction to Biomedical instrumentation, development of biomedical instrumentation, biometrics, Physiological system of body, problems encountered in measuring a living system.

UNIT-2:

Basic transducer principle, active transducer, passive transducer, electrode theory, biopotential electrodes biochemical transducers

UNIT-3 :

The heart and cardiovascular system, characteristics of blood flow, blood pressure measurement, heart sound measurement. Principles of ultrasonic diagnosis, temperature measurement, electrocardiograph, plethysmography pulmonary function measurement spirometry, pulmonary function analyzers, respiratory gas analyzers

UNIT-4:

Generation of ionizing radiation, instrumentation for diagnostic X-ray, special technique, instrumentation for medical use of radioisotopes, radiation therapy, EMG

UNIT-5 :

Patient care and monitoring, the elements of intensive care monitoring , diagnosis, calibration, reparability of patient monitoring equipment, instrumentation for monitoring patient, pacemakers, defibrillators, (ADD Electrical safety of medical equipment. Physiological effects of electrical current, shock hazards from electrical equipments Methods of accident prevention.)

UNIT-6:

Computers in biomedical instrumentation, digital computer, microprocessor, interfacing the computer with medical instrumentation and other equipments,

(Add Telemedicine, Telemedicine applications, video conferencing, digital communication in telemedicine Teleradiology, Tele Cardiology, Telepsychiatry, Hospital Information System, Computer Networks in Health care)

Text books:			
	Introduction to Biomedical	Mandeep Singh	PHI

	Instrumentation			
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Reference books:				
1	Biomedical Instrumentation & Measurement		By Leslie Cromwell, Fred Weibell, Erich A Pfeiffer	PHI
	Handbook of Biomedical Instrumentation		R.S.Khandpur	TMH
2	Bioelectronic Measurement		Dean A Dmane, David Michaels	Prentice Hall
3	Medicine and Clinical Engineering		Jacobson and Webster	PHI
4	Introduction to Biomedical Equipment Design		Carr and Brown	John Wiley
5	Biomedical Digital Signal Processing		Tompkins	

6th Semester

EE1330	OE II : Biomedical Instrumentation (New)	L = 3	T = 0	P = 0	Credits = 3
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Evaluation Scheme	MSE-I	MSE-II	TA	ESE	Total	ESE Duration
	15	15	10	60	100	3 Hrs

Objective	Outcome
<p>➤ This course is intended for exposing the students to basics of biomedical instrumentation.</p>	<p>Students</p> <ol style="list-style-type: none"> 1. Will learn the basic concepts of biomedical instrumentation. 2. Will be introduced to transducers and will learn about biomedical transducers 3. Will learn measurement techniques which involved in processes such as cardiovascular measurements. 4. Will also learn techniques in x-rays, EMG, etc 5. Will learn techniques and practices for patient care 6. Will learn about the history and use of computers in biomedical instrumentations.

UNIT-1:

Introduction to Biomedical instrumentation, development of biomedical instrumentation, biometrics, Physiologica system of body, problems encountered in measuring a living system.

UNIT-2:

Basic transducer principle, active transducer, passive transducer, electrode theory, biopotential electrodes biochemical transducers

UNIT-3 :

The heart and cardiovascular system, characteristics of blood flow, blood pressure measurement, heart sound measurement. Principles of ultrasonic diagnosis, temperature measurement, electrocardiograph, plethysmography pulmonary function measurement spirometry, pulmonary function analyzers, respiratory gas analyzers

UNIT-4:

Generation of ionizing radiation, instrumentation for diagnostic X-ray, special technique, instrumentation for medical use of radioisotopes, radiation therapy, EMG

UNIT-5 :

Patient care and monitoring, the elements of intensive care monitoring , diagnosis, calibration, reparability of patient monitoring equipment, instrumentation for monitoring patient, pacemakers, defibrillators, Electrical safety of medical equipment. Physiological effects of electrical current, shock hazards from electrical equipments, Methods of accident prevention.

UNIT-6:

Telemedicine, Telemedicine applications, video conferencing, digital communication in telemedicine Teleradiology Tele Cardiology, Telepsychiatry, Hospital Information System, Computer Networks in Health care.

Text books:				
1	Introduction to Biomedical Instrumentation		Mandeep Singh	PHI

Reference books:				
1	Biomedical Instrumentation & Measurement		By Leslie Cromwell, Fred Weibell, Erich A Pfeiffer	PHI
	Handbook of Biomedical Instrumentation		R.S.Khandpur	TMH

2	Bioelectronic Measurement		Dean A Dmane, David Michaels	Prentice Hall
3	Medicine and Clinical Engineering		Jacobson and Webster	PHI
4	Introduction to Biomedical Equipment Design		Carr and Brown	John Wiley
5	Biomedical Digital Signal Processing		Tompkins	

8th Semester
PE V: Biomedical Instrumentation & its Applications-OLD

EE1416	PE V: Biomedical Instrumentation & its Applications	L= 3	T = 0	P = 0	Credits = 3
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Evaluation Scheme	MSE-I	MSE-II	TA	ESE	Total	ESE Duration
	15	15	10	60	100	3 Hrs

Objective	Outcome
This course is intended for exposing the students to basics of biomedical instrumentation.	<p>Students</p> <ol style="list-style-type: none"> 1. Will learn the basic concepts of biomedical instrumentation. 2. Will be introduced to transducers and will learn about biomedical transducers 3. Will learn measurement techniques which involved in processes such as cardiovascular measurements. 4. Will also learn techniques in x-rays, EMG, etc 5. Will learn techniques and practices for patient care 6. Will learn about the history and use of computers in biomedical instrumentations.

UNIT-1:

Introduction to Biomedical instrumentation, development of biomedical instrumentation, biometrics, Physiological system of body, problems encountered in measuring a living system.

UNIT-2:

Basic transducer principle, active transducer, passive transducer, electrode theory, biopotential electrodes, biochemical transducers

UNIT-3 :

The heart and cardiovascular system, characteristics of blood flow, blood pressure measurement, heart sound measurement. Principles of ultrasonic diagnosis, temperature measurement.

UNIT-4:

Electrocardiograph, plethysmography, pulmonary function measurement spirometry, pulmonary function analyzers, respiratory gas analyzers.

UNIT-5:

Generation of ionizing radiation, instrumentation for diagnostic X-ray, special technique, instrumentation for medical use of radioisotopes, radiation therapy, EMG pacemakers, defibrillators, Electrical safety of medical equipment. Physiological effects of electrical current, shock hazards from electrical equipments, Methods of accident prevention.

UNIT-6:

Telemedicine, Telemedicine applications, telemedicine concept, essential parameters of telemedicine, telemedicine technology, video conferencing, digital communication in telemedicine, use of internet resource for telemedicine. (Add Teleradiology, Tele Cardiology, Telepsychiatry, Hospital Information System, Computer Networks in Health care)

Text books:

1	Biomedical Instrumentation & Measurement	By Leaslie Cromwell, Fred Weibell, Erich A Pfeiffer	PHI
2	Introduction to Biomedical	Mandeep Singh	PHI

	Instrumentation			
Reference books:				
1	Handbook of Biomedical Instrumentation		R.S.Khandpur	TMH
2	Bioelectronic Measurement		Dean A Dmane, David Michaels	Prentice Hall
3	Medicine and Clinical Engineering		Jacobson and Webster	PHI
4	Introduction to Biomedical Equipment Design		Carr and Brown	John Wiley
5	Biomedical Digital Signal Processing		Tompkins	

PE V: Biomedical Instrumentation & its Applications-NEW

EE1416	PE V: Biomedical Instrumentation & its Applications	L = 3	T = 0	P = 0	Credits = 3
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Evaluation Scheme	MSE-I	MSE-II	TA	ESE	Total	ESE Duration
	15	15	10	60	100	3 Hrs

Objective	Outcome
This course is intended for exposing the students to basics of biomedical instrumentation.	<p>Students</p> <ol style="list-style-type: none"> Will learn the basic concepts of biomedical instrumentation. Will be introduced to transducers and will learn about biomedical transducers Will learn measurement techniques which involved in processes such as cardiovascular measurements. Will also learn techniques in x-rays, EMG, etc Will learn techniques and practices for patient care Will learn about the history and use of computers in biomedical instrumentations.

UNIT-1:

Introduction to Biomedical instrumentation, development of biomedical instrumentation, biometrics, Physiological system of body, problems encountered in measuring a living system.

UNIT-2:

Basic transducer principle, active transducer, passive transducer, electrode theory, biopotential electrodes, biochemical transducers

UNIT-3 :

The heart and cardiovascular system, characteristics of blood flow, blood pressure measurement, heart sound measurement. Principles of ultrasonic diagnosis, temperature measurement.

UNIT-4:

Electrocardiograph, plethysmography, pulmonary function measurement spirometry, pulmonary function analyzers, respiratory gas analyzers.

UNIT-5:

Generation of ionizing radiation, instrumentation for diagnostic X-ray, special technique, instrumentation for medical use of radioisotopes, radiation therapy, EMG pacemakers, defibrillators, Electrical safety of medical equipment. Physiological effects of electrical current, shock hazards from electrical equipments, Methods of accident prevention.

UNIT-6:

Telemedicine, Telemedicine applications, video conferencing, digital communication in telemedicine Teleradiology, Tele Cardiology, Telepsychiatry, Hospital Information System, Computer Networks in Health care.

Text books:

1	Biomedical Instrumentation & Measurement	By Leslie Cromwell, Fred Weibell, Erich A Pfeiffer	PHI
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Reference books:

1	Handbook of Biomedical Instrumentation	R.S.Khandpur	TMH
2	Bioelectronic Measurement	Dean A Dman,	Prentice Hall

			David Michaels	
3	Medicine and Clinical Engineering		Jacobson and Webster	PHI
4	Introduction to Biomedical Equipment Design		Carr and Brown	John Wiley
5	Biomedical Digital Signal Processing		Tompkins	



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Department of Electronics Engineering

Boards of Studies in Electronics Engineering

Minutes of the Meeting No. 24

Meeting No. 24,

Date: 19th January 2019

Meeting no. 24 of the Board of Studies in Electronics Engineering was held on 19th January 2019 at 10.00A.M.in the Department library of Electronics Engineering department.

The meeting was attended by the following members of BoS.

- | | | |
|---------------------------|-------------------------|-------------------------|
| 1. Dr.R.B.Deshmukh | 12. Ms. P. P. Zode | 23. Ms.S. A.Dhondse |
| 2. Dr.K.D.Kulat | 13. Mr. P. P. Zode | 24. Mr. K.G.Pande |
| 3. Dr.P.R.Deshmukh | 14. Ms. P. P. Palsodkar | 25. Mr.A.B.Thatere |
| 4. Dr.P.T.Karule | 15. Ms.T.G. Panse | 26. Mr.V.D. Alagdeve |
| 5. Mr. S.M.Kakde | 16. Ms.R. S. Balpande | 27. Mr. A.A.Peshettiwar |
| 6. Dr.P.K.Dakhole | 17. Ms. M.N. Kalbande | 28. Ms. Y. A. Gaidhani |
| 7. Dr. A.V. Bapat | 18. Mr.P.M. Palsodkar | 29. Ms. R.S.Keote |
| 8. Dr.A.S.Khobragade | 19. S. R.Nitanavare | |
| 9. Dr.S.V.Rathkanthiwar | 20. Ms.A.D.Tijare | |
| 10. Mr.S.Y.Ambatkar | 21. Ms. P.A. Jadhav | |
| 11. Mr. A. V. Gokhale | 22. Mr. Somulu G. | |

Leave of absence was granted to

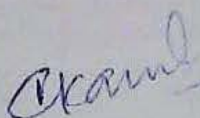
1. Mr. Unmesh Oke 2. Mr. M. S. Pawar

The following agenda points were deliberated in the meeting

24.01	<p>Welcome of new members :-Dr.P.T.Karule, took a charge of HoD from 1st July 2018, & therefore as per academic regulation he is new Chairman, BoS, Electronics Engineering from session 2018-19 onwards.</p> <p>Nomination of Eternal Experts on The BoS. BoS proposed names of external experts on BoS for further recommendations : 1) Dr. K.D.Kulat, VNIT, Nagpur - Subject expert from outside the college 2) Dr. R.B.Deshmukh, VNIT, Nagpur - Subject expert from outside college 3) Dr.P.R.Deshmukh, VC Nominee 4) Ms. Chaitali Darode - Postgraduate meritorious alumnus</p>
24.02	<p>Installation of member Secretary Chairman constituted new committee under EX14.1 as under : Dr. P.T.Karule– Chairman Mr. Sandeep Kakde – Member Prof. A.S.Khobragade –Member Prof. A.V. Gokhale –Member Prof. P.P.Palsodkar–Member</p>
24.03	<p>To confirm the minutes of 23rd Meeting of BoS. The minutes of the 23rd Meeting of BoS in Electronics Engineering held on 28th July 2018 were placed on the table by Chairman Dr.P.T.Karule were confirmed unanimously.</p>
24.04	<p>To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014&Autonomous 2018) of the Undergraduate and Post graduate programs conducted under the Board Revised Scheme of Examination (known as Autonomous 2018) of the Undergraduate and Postgraduate program is proposed. Display Technology subject should be included.</p>
24.05	<p>To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of and Post graduate programs conducted under the Board.(Comment: Consider the remarks given by the faculty in course completion reports of previous terms) No Change.</p>
24.06	<p>To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs. No Change.</p>
24.07	<p>To discuss and approve the list of experiments, wherever there is a change. in the laboratory courses of Under- and Post Graduate programs.(Comment: The laboratory courses may be described in greater details for easy understanding by students.) No Change.</p>
24.08	<p>To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board. No Change.</p>
24.9	<p>To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum. NIL</p>
24.10	<p>To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of EVEN Term 2018-19. :-The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs for End Semester Examination of EVEN Term 2018-19 was constituted.</p>
24.11	<p>To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of EVEN Term 2018-19. (Comment: Question papers of all the courses of PG programs are set and evaluated by the course instructor from EVEN Term 2018-19. The grades of the students will also be decided by the Course Instructors.) :-The panel of paper setters, Moderators and Valuers for the various theory courses at Postgraduate programs for End Semester Examination of EVEN Term 2018-19 was constituted.</p>

24.12	To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination EVEN Term 2018-19. :-The panel of internal and external examiners for the various laboratory courses at UG and PG levels for End Semester Examination of EVEN Term 2018-19 was constituted.
24.13	<ul style="list-style-type: none"> ▪ Preparation of Electronic question Bank for V and VI Semester UG courses. ▪ To review solutions to all questions of Electronic Question Bank for all courses of IV semester. <ol style="list-style-type: none"> 1. Since SoE is changed, again for 3 and 4th semester subjects, as per the syllabus, new question bank for 3rd and 4th semester subjects should be prepared. 2. Infeasibility in solution preparation as subject syllabi is subject to change with technology variation. Already standard text books and solutions are available.
24.14	To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses. No Change
24.15	To prepare & propose Group of minor courses and Group of honor courses to be offered In process
24.15	To propose to provision for PG students for Year Long Internship i.e. offer courses of 3rd Semester in Special Summer Term. It is suggested by BoS that instead of Summer Term, for Third Semester PG Program, 1 subject each should be added in First and Second Semester.
24.16	Any other matter with the permission of the Chair Formal Thanks to Eternal Experts on The BoS, BoS Members and member secretary.

The meeting was concluded with thanks to the Chair. BoS Chairman has the authority to final the Scheme of Examination.



Dr. P. T. Karule
Chairman
BoS in Electronics Engineering



Mr. S. M. Kakde
Member Secretary
BoS in Electronics Engineering

Date: 19th January 2019

Composition of Board of Studies in Electronics Engineering

S. No.	Provision	Name of Member	Membership
1.	Head of the department	Dr. P. T. Karule	Chairman
2.	Faculty Member	Mr. S. M. Kakde	Member Secretary
3.	Faculty Member	Dr. A.V. Bapat	Member
4.	Faculty Member	Dr.A.S.Khobragade	Member
5.	Faculty Member	Dr. P. K. Dakhole	Member
6.	Faculty Member	Dr.S.V.Rathkanthiwar	Member
7.	Faculty Member	Mr. M.S.Pawar	Member
8.	Faculty Member	Mr. A. V. Gokhale	Member
9.	Faculty Member	Mr. A. B. Thatere	Member
10.	Faculty Member	Mr. S. Y. Ambatkar	Member
11.	Faculty Member	Dr. U. S. Ghodeswar	Member
12.	Faculty Member	Mr. P. P. Zode	Member
13.	Faculty Member	Dr. P. P. Palsodkar	Member
14.	Faculty Member	Ms. P. P. Zode	Member
15.	Faculty Member	Ms. T. G. Panse	Member
16.	Faculty Member	Ms. M. N. Kalbande	Member
17.	Faculty Member	Ms. Y. A. Gaidhani	Member
18.	Faculty Member	Ms. R. S. Balpande	Member
19.	Faculty Member	Mr.P. M. Palsodkar	Member
20.	Faculty Member	Ms. A. D. Tijare	Member
21.	Faculty Member	Mr. S. Goguluthu	Member
22.	Faculty Member	Mr. V. D. Alagdeve	Member
23.	Faculty Member	Ms. P.A.Jadhav	Member
24.	Faculty Member	Ms. R. S. Keote	Member
25.	Faculty Member	Ms. S. R.Nitnaware	Member
26.	Faculty Member	Ms. S. A. Dhondse	Member
27.	Faculty Member	Mr. A. A. Peshattiwar	Member
28.	Faculty Member	Mr. Kuldeep Pande	Member

29.	Subject expert from outside the college to be nominated by the Academic Council.	Dr. R.B.Deshmukh	Member
30.	Subject expert from outside the college to be nominated by the Academic Council.	Dr. K.D.Kulat	Member
31.	Expert nominated by the vice-chancellor	Dr.P.R.Deshmukh	Member
32.	Representative from industry/corporate sector/allied area relating to placement.	Mr. Unmesh Oak	Member
33.	Postgraduate meritorious alumnus nominated by the Principal	Ms. Chaitali Darode	Member



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B.E.SCHEMEOFEXAMINATION2014
ElectronicsEngineering

S no.	SubCode	Subject	ContactHours				Credits	%Weightage				ESE Duration
			L	T	P	Total		MSE-I	MSE-II	TA	ESE	
SEVENTHSEMESTER												
1	Professional Elective-II											
	EE1401	PEII: Embedded Systems	3	1	0	4	4	15	15	10	60	3Hrs
	EE1403	PEII: Digital CMOS Circuits										
	EE1405	PEII: Algorithm & Data Structures										
2	Lab Professional Elective-II											
	EE1402	Lab.: PEII: Embedded Systems	0	0	2	2	1	40			60	
	EE1404	Lab.: PEII: Digital CMOS Circuits										
	EE1406	Lab.: PEII: Algorithm & Data Structures										
3	EE1407	Electronics Circuit Design	3	1	0	4	4	15	15	10	60	3Hrs
4	EE1408	Lab.: Electronics Circuit Design	0	0	2	2	1	40			60	
5	EE1409	Digital Communication	3	0	0	3	3	15	15	10	60	
6	EE1410	Lab.: Digital Communication	0	0	2	2	1	40			60	
7	EE1434	RF & Microwave	4	0	0	4	4	15	15	10	60	
8	EE1435	Lab.: RF & Microwave	0	0	2	2	1	40			60	
9	EE1412	Project Phase-I	0	0	4	4	4	40			60	
10	EE1413	Industrial Training/CRT	0	0	0	0	2	100				
Total			13	2	12	27	25					

EIGHTHSEMESTER

1	Professional Elective-III											
	EE1414	PEIII: Computer Communication Network										
	EE1415	PEIII: Operating System Concepts	3	0	0	3	3	15	15	10	60	3Hrs
	EE1436	PEIII: RADAR Engineering										
	EE1437	PEIII: Micro Electro Mechanical Systems										
	EE1439	PEIII: Display Technology										
2	Professional Elective-IV											
	EE1417	PEIV: Soft Computing										
	EE1419	PEIV: Analog VLSI Design	4	0	0	4	4	15	15	10	60	3Hrs
	EE1427	PEIV: Digital Image Processing										
	EE1423	PEIV: Object Oriented Programming										
3	Lab: Professional Elective-IV											
	EE1418	Lab.: PEIV: Soft Computing										
	EE1420	Lab.: PEIV: Analog VLSI Design	0	0	2	2	1	40			60	
	EE1428	Lab.: PEIV: Digital Image Processing										
	EE1424	Lab.: PEIV: Object Oriented Programming										
4	Professional Elective-V											
	EE1416	PEV: Biomedical Instrumentation & its Applications										
	EE1421	PEV: Optical Communication	3	0	0	3	3	15	15	10	60	3Hrs
	EE1425	PEV: Wireless Communication										
	EE1438	PEV: Mechatronics										
	EE1440	Programming Data Structures algorithm using Python										
5	EE1433	Lab.: Electronics Design Automation	0	0	2	2	1	40			60	
6	EE1430	Comprehensive Viva-voce	0	0	0	0	3	100				
7	EE1431	Extra/Co-Curricular/Competitive Examinations	0	0	0	0	2	100				
8	EE1432	Project Phase-II	0	0	8	8	8	40			60	
Total			10	0	12	22	25					



Nagar Yuwak Shikshan Sanstha's

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Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Electronics Engineering

Boards of Studies in Electronics Engineering

Minutes of the Curriculum Development Workshop (CDW-2019)

Meeting No. VII,

Date: 2nd May 2019

Curriculum Development Workshop for the revision of SoE and syllabi of 5th and 6th Semester UG under Board of Studies in Electronics Engineering was held on 2nd May 2019 from 10.00 AM to 4.00 PM, in the Electronics Engineering department library.

Faculty members of Department of Electronics Engineering attended the meeting. Subject experts were,

1. Dr. K.D. Kulat, VNIT, Nagpur.
2. Dr. R.B. Deshmukh, VNIT, Nagpur.
3. Mr. Unmesh Oke, MD, Unique Automation Systems Pvt. Ltd. Nagpur

The meeting was conducted by Chairman BoS Dr.P.T.Karule. The following agenda points were deliberated in the meeting.

Framing of 5th and 6th semester UG Scheme of Examination.

The minor changes in the syllabus

- The minor changes in the syllabus of the nature as given below was done and approved in the meeting.
 - **Reorganization of the units,**
 - **Addition and deletion of some contents in syllabus,**
 - **Restructuring of syllabus etc.**

The list of the subjects for which above points have been performed is given below

V Semester:

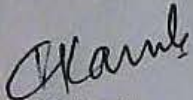
SN	Semester	Course Codes	Subjects
1.	5	EE	Transmission Lines and Waveguides
2.	5	EE	Analog Integrated Circuit & its Application
3.	5	EE	Lab: Analog Integrated Circuit & its Application
Professional Electives I:			
4.	5	EE	PE1: Embedded Systems
5.	5	EE	PE1: Computer Communication Network
6.	5	EE	PE1: Algorithm & Data Structure
7.	5	EE	PE1: Soft Computing
8.	5	EE	PE1: Advanced Instrumentation
9.	5	EE	Lab: Embedded Systems
10.	5	EE	Lab: Computer Communication Network
11.	5	EE	Lab: Algorithm & Data Structure
12.	5	EE	Lab: Soft Computing
13.	5	EE	Lab: Advanced Instrumentation
Open Electives I:			
14.	5	EE	OE I: Fuzzy Logic & Neural Network
15.	5	EE	OE I: Basics of Analog and Digital Communication
16.	5	EE	OE I: Biomedical Instrumentation
Open Electives II:			
17.	5	EE	OE II: Data Acquisition & Signal Conditioning
18.	5	EE	OE II: Fundamentals of Microprocessor
19.	5	EE	OE II: Consumer Electronics

VI Semester:

SN	Semester	Course Codes	Subjects
1.	6	EE	Digital Signal Processing
2.	6	EE	Lab: Digital Signal Processing
3.	6	EE	Control System Engineering
4.	6	EE	Digital Communication
5.	6	EE	Lab: Digital Communication
Professional Electives II:			
6.	6	EE	PE II: Digital CMOS Circuits
7.	6	EE	PE II: Internet of Things
8.	6	EE	PE II: Object Oriented Programming
9.	6	EE	PE II: Digital Image Processing
10.	6	EE	PE II: RF and Microwave
11.	6	EE	Lab: Digital CMOS Circuits

12.	6	EE	Lab: Internet of Things
13.	6	EE	Lab: Object Oriented Programming
14.	6	EE	Lab: Digital Image Processing
15.	6	EE	Lab: RF and Microwave
Open Electives III:			
16.	6	EE	OE III: Fuzzy Logic & Neural Network
17.	6	EE	OE III: Basics of Analog and Digital Communication
18.	6	EE	OE III: Biomedical Instrumentation
Open Electives IV:			
19.	6	EE	OE II: Data Acquisition & Signal Conditioning
20.	6	EE	OE II: Fundamentals of Microprocessor
21.	6	EE	OE II: Consumer Electronics

The meeting was concluded with thanks to the Chair.



Dr.P.T.Karule
Chairman
BoS in Electronics Engineering



Ms. Sandeep Kakde
Member Secretary
BoS in Electronics Engineering

Date: 02-05-2019



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Department of Electronics Engineering

Annexure - 4 : New 163 Credit Curriculum implemented from 2018-19

Sr. No.	Curriculum 2018 Scheme			Curriculum 2014 Scheme		Remarks
	Course Component	Total No. of Credits	% Credits of Curriculum	Total No. of Credits	% Credits of Curriculum	
1	BS	24	14.72	26	13.54	<ul style="list-style-type: none"> Professional Elective Course Component Increased Open Elective Course Component Increased
2	BES	23	14.11	23	11.98	
3	HS	12	7.36	12	6.25	
4	PC	56	34.36	86	44.79	
5	PE	21	12.88	19	9.90	
6	OE	12	7.36	6	3.13	
7	STR / Project / Internship	15	9.20	20	10.42	
		163	100%	192	100%	



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B.E. Electronics Engineering SCHEME OF EXAMINATION 2018

SN	Sem	Sub Code	Type	Subject	T/P	Contact Hours				Credits	% Weightage			
						L	T	P	Hrs		MSE-I	MSE-II	TA	ESE
TOTAL FIRST +SECOND SEM										47				
Third Semester														
1	3	BS	GE2201	Engineering Mathematics III	T	3	0	0	3	3	15	15	10	60
2	3	PC	EE2201	Electronic Devices	T	3	1	0	4	4	15	15	10	60
3	3	PC	EE2202	Lab: Electronic Devices	P	0	0	2	2	1			40	60
4	3	PC	EE2203	Signal and Systems	T	3	0	0	3	3	15	15	10	60
5	3	PC	EE2204	Lab: Computing using Python	P	0	0	2	2	1			40	60
6	3	PC	EE2205	Digital Logic Design	T	3	0	0	3	3	15	15	10	60
7	3	PC	EE2206	Lab: Digital Logic Design	P	0	0	2	2	1	15	15	10	60
8	3	PC	EE2207	Network Analysis	T	3	0	0	3	3	15	15	10	60
9	3	PC	EE2208	Lab: Network Analysis	P	0	0	2	2	1			40	60
TOTAL THIRD SEM						15	1	8	24	20				

Fourth Semester

1	4	BS	GE2204	Advance Mathematical Techniques	T	3	0	0	3	3	15	15	10	60
2	4	PC	EE2251	Electronic Circuits	T	3	0	0	3	3	15	15	10	60
3	4	PC	EE2252	Lab: Electronic Circuits	P	0	0	2	2	1			40	60
4	4	PC	EE2253	Microcontroller and its Applications	T	3	0	0	3	3	15	15	10	60
5	4	PC	EE2254	Lab: Microcontroller and its Applications	P	0	0	2	2	1	15	15	10	60
6	4	PC	EE2255	Analog Communication	T	3	0	0	3	3			40	60
7	4	PC	EE2256	Lab.: Analog Communication	P	0	0	2	2	1	15	15	10	60
8	4	PC	EE2257	Electromagnetic Fields	T	3	1	0	4	4			40	60
9	4	PC	EE2258	Lab: Electronic Workshop	P	0	0	2	2	1	15	15	10	60
TOTAL FOURTH SEM						15	1	8	24	20				

List of Audit Courses

1	4	HS	GE2221	Functional English 2 (Audit)	A	3	0	0	3	0				
2	4	HS	GE2121	Env Studies for 4 Sem. CV,ME,EE,IT	T	0	0	0	0	0				
					June 2018					1.00		Applicable for AY 2019-20 Onwards		
<i>PKarande</i>		<i>Arbajab</i>			Date of Release					Version				
Chairperson		Dean (Acad. Matters)												

Fifth Semester

1	5	HS	GE2312	Fundamental of Economics	T	3	0	0	3	3				
2	5	PC	EE2301	Control System Engineering	T	3	0	0	3	3	15	15	10	60
3	5	PC	EE2302	Analog Integrated Circuit & its Application	T	3	0	0	3	3	15	15	10	60
4	5	PC	EE2304	Lab: Analog Integrated Circuit & its Application	P	0	0	2	2	1			40	60
5	5	PE-I		Professional Elective-I	T	3	0	0	3	3	15	15	10	60
6	5	PE-I Lab		Lab.: Professional Elective-I	P	0	0	2	2	1			40	60
7	5	OE-I		Open Elective - I *	T	3	0	0	3	3	15	15	10	60
8	5	OE-II		Open Elective - II *	T	3	0	0	3	3			40	60
9	5	STR	EE2310	Industry Visit and its report	P	0	0	0	0	1			100	
TOTAL FIFTH SEM						18	0	4	22	21				

Sixth Semester

1	6	HS	GE2311	Fundamental of Management	T	3	0	0	3	3	15	15	10	60
2	6	PC	EE2351	Digital Signal Processing	T	3	0	0	3	3	15	15	10	60

3	6	PC	EE2352	Lab.: Digital Signal Processing	P	0	0	2	2	1			40	60
4	6	PC	EE2353	Transmission Lines and Waveguides	T	3	0	0	3	3	15	15	10	60
5	6	PC	EE2354	Digital Communication	T	3	0	0	3	3	15	15	10	60
6	6	PC	EE2355	Lab.: Digital Communication	P	0	0	2	2	1			40	60
7	6	PE-II		Professional Elective-II	T	3	0	0	3	3	15	15	10	60
8	6	PE-II Lab		Lab.: Professional Elective-II	P	0	0	2	2	1			40	60
9	6	OE-III		Open Elective - III **	T	3	0	0	3	3	15	15	10	60
10	6	OE-IV		Open Elective - IV **	T	3	0	0	3	3	15	15	10	60
TOTAL SIXTH SEM						21	0	6	27	24				

* Refer list Open Elective- I & II

** Refer list Open Elective- III & IV

List of Audit Courses

1	5		IT2121	Industrial Programming Language	A	3	0	0	3	0				
2	6		GE1321	Remedial Grammar	A	3	0	0	3	0				

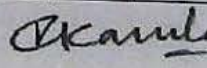
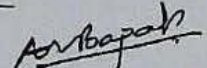
List of Professional Electives-I & II

Professional Electives -I

1	5	PE-I	EE2311	PE I : Embedded Systems										
2	5	PE-I	EE2312	PE I : Lab: Embedded Systems										
3	5	PE-I	EE2313	PE I : Analog VLSI Design										
4	5	PE-I	EE2314	PE I : Lab: Analog VLSI Design										
5	5	PE-I	EE2315	PE I : RF and Microwave										
6	5	PE-I	EE2316	PE I : Lab: RF and Microwave										
7	5	PE-I	EE2317	PE I : Data Compression										
8	5	PE-I	EE2318	PE I : Lab: Data Compression										
9	5	PE-I	EE2319	PE I : Advanced Instrumentation										
10	5	PE-I	EE2320	PE I : Lab: Advanced Instrumentation										

Professional Electives -II

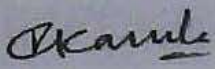
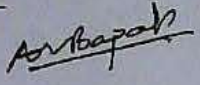
1	6	PE II	EE2361	PE II : Digital CMOS Circuits										
2	6	PE II	EE2362	PE II : Lab: Digital CMOS Circuits										
3	6	PE II	EE2363	PE II : Internet of Things										
4	6	PE II	EE2364	PE II : Lab: Internet of Things										
5	6	PE II	EE2365	PE II : Wireless Communication										
6	6	PE II	EE2366	PE II : Lab: Wireless Communication										
7	6	PE II	EE2367	PE II : Digital Image Processing										
8	6	PE II	EE2368	PE II : Lab: Digital Image Processing										
9	6	PE II	EE2369	PE II : Algorithm & Data Structure										
10	6	PE II	EE2370	PE II : Lab: Algorithm & Data Structure										

		June 2018	1.00	Applicable for AY 2020-21 Onwards
Chairperson	Dean (Acad. Matters)	Date of Release	Version	

5	7	PE-V	EE2434	PE V : Biomedical Electronics													
6	7	PE-V	EE2435	PE V : Mechatronics													

Professional Electives -VI

1	7	PE-VI	EE2441	PE VI : Display Technology													
2	7	PE-VI	EE2442	PE VI : VLSI Signal Processing													
3	7	PE-VI	EE2443	PE VI : Mobile Communication													
4	7	PE-VI	EE2444	PE VI : Cryptography and Network Security													
5	7	PE-VI	EE2445	PE VI : Error Control Coding													

				June 2018	1.00	Applicable for AY 2021-22 Onwards
Chairperson	Dean (Acad. Matters)	Date of Release	Version			

26th July 2018**Notice of Meeting**

To,
All the Members of
Board of Studies in
Electronics & Telecommunication Engineering

Dear Sir/ Madam,

The **Eighteenth** meeting of the Board of Studies in **Electronics & Telecommunication Engineering** is scheduled on **Saturday, 28th July 2018** at **10:00 AM** in the **Department of Electronics & Telecommunication Engineering, YCCE, Nagpur**.

The agenda for the meeting shall be as follows:

ITEM NO.	AGENDA POINT
18.01	Welcome of new members
18.02	Installation of member Secretary
18.03	Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.
18.04	To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board
18.05	To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board.
18.06	To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.
18.07	To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.
18.08	To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.
18.09	To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.
18.10	To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End



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Semester Examination of ODD Term 2018-19	
18.11	To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of ODD Term 2018-19
18.12	To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination ODD Term 2018-19 Preparation of Electronic question Bank for VII and VIII Sem UG courses
18.13	To review solutions to all questions of Electronic Question Banks for all courses of V SEM
18.14	To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.
18.15	To prepare & propose Scheme of Examination 2018 for UG & PG programmes
18.16	Any other matter with the permission of the Chair.

Kindly make it convenient to attend the meeting.


Dr. M.D. Chawhan
Member Secretary
BoS in E & T Engineering


Dr. M.S. Narlawar
Chairman
BoS in E & T Engineering



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SNo.	Name	Designation	Sign	Name	Designation	Sign
1	Dr. M.M. Mushrif	Member		B Y Masram	Member	
2	R.P. Deshmukh	Member		S.A. Desai	Member	
3	Dr. P.W. Raut	Member		N.A. Pande	Member	
4	Dr. D.B. Bhojar	Member		M.S. Ghute	Member	
5	Dr. Mrs. Y.U. Chitambar	Member		Y. S. Kale	Member	
6	Dr. A.D. Belsare	Member		A.A. Madankar	Member	
7	Dr. N.D. Rehpade	Member		R.P. Kamdi	Member	
8	Dr. M.S. Dorle	Member		D.K. Thote	Member	
9	K.P. Kamble	Member		M.S. Patil	Member	
10	S.S. Chiwande	Member		M. M. Panchariya	Member	
11	A.V. Choudhari	Member		V.B. Niranjane	Member	
12	S.S. Khade	Member		A. Parkhi	Member	
13	C.S. Gode	Member				
14	M.L. Keote	Member				
15	P.D. Dorge	Member				
16	V.D. Bondre	Member				







Minutes of the 18th BOS Meeting

Date: 28th July, 2018

The 18th BOS of **Electronics and Telecommunication Engineering** was held on **28th July, 2018** at 10:00 AM in the Department library.

The meeting was attended by the following members of BOS

Sr. No	Name	Signature
01	Dr. A.S. Gandhi, VNIT, Nagpur	
02	Dr. A.G. Keskar, VNIT, Nagpur	
03	Mr. Satish Awari, Director, Samartha Electro Care Pvt.Ltd., Nagpur	
04	Mr. Anirudhha Kalbande, Director Fireblaze Technologies Pvt.Ltd. Nagpur	



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SNo.	Name	Designation	Sign	Name	Designation	Sign
1	Dr M.S.Narlikar	Chairman		P.D.Dorge	Member	
2	Dr M.D.Chawhan	Member Secretary		V.D. Bondre	Member	
3	Dr.M.M.Mushkat	Member		B.Y. Masram	Member	
4	R.P.Deshmukh	Member		S.A.Desai	Member	
5	Dr. P.W. R...	Member		N.A.Pande	Member	
6	Dr. D.B.Bh...	Member		M.S.Ghute	Member	
7	Dr. Mrs. Y. Nitiv (Dubey)	Member		Y. S. Kale	Member	
8	Dr. A.D.Bel...	Member	ABSENT	A.A.Madankar	Member	
9	Dr. N.D.R. Je	Member		R.P.Kamdi	Member	
10	Dr. M.S.De...	Member		D.K.Thote	Member	
11	K.P.Kambl...	Member		M.S.Patil	Member	
12	S.S.Chiwa...	Member		M. M. Panchariya	Member	ABSENT
13	A.V.Chou...	Member		V.B.Niranjane	Member	
14	S.S.Khad...	Member		A. Parkhi	Member	
15	C.S.God...	Member				
16	M.L.Keot...	Member				

**Minutes of the 18th BOS Meeting****Date: 28th July 2018**

The 18th BOS of **Electronics and Telecommunication Engineering** was held on **Saturday, 28th July 2018** at **10:00 AM** in the Department library.

The meeting was attended by the following members of BOS.

Sr. No	Name	Signature
01	Dr. A.S. Gandhi, VNIT, Nagpur	Present
02	Dr.A.G.Keskar, VNIT, Nagpur	Present
03	Mr. Satish Awari, Director, Samartha Electro Care Pvt.Ltd.,Nagpur	Present
04	Mr.Anirudhha Kalbande, Director Fireblaze Technologies Pvt.Ltd.Nagpur	Present

Leave of absence was granted to -

Sr. No	Name
1.	Dr. A.D.Belsare
2.	M. M. Panchariya

The following agenda points were discussed and deliberated in the meeting.

ITEM NO.	AGENDA POINT
18.01	Welcome of new members. BoS Chairman Dr. M.S. Narlawar welcomes, all BoS members to the department of ET, YCCE, Nagpur



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18.02	<p>Installation of member Secretary.</p> <p>BoS Chairman : Dr. M.S. Narlawar,HOD, ET</p> <p>Member Secretary : Dr. M. D. Chawhan, Assoc., Prof. ET</p> <p>Sub-Committee members:</p> <p>Prof. D. B. Bhojar, Member, First Shift BE</p> <p>Prof. M. S. Dorle, Member, Second Shift BE</p> <p>Prof. S. A. Desai, , Member, PG, Communication Engineering.</p> <p>Prof V.B.Niranjane. Member</p>
18.03	<p>Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.</p> <p>The minutes of the CDW held on 16th February 2018 in Electronics and Telecommunication Engineering were placed on the table and were confirmed unanimously.</p>
18.04	<p>To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board.</p> <p>The SOE and Syllabus of the courses offered in Autonomous 2014 Scheme has been discussed and finalized. No Changes have been proposed.</p>
18.05	<p>To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board.</p> <p>No Changes have been proposed.</p>
18.06	<p>To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.</p> <p>No minor changes have been proposed.</p>
18.07	<p>To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.</p> <p>No changes have been proposed.</p>

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18.08	<p>To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board..</p> <p>No changes have been proposed.</p>
18.09	<p>To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.</p> <p>No new courses/MOOCs have been proposed.</p>
18.10	<p>To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of ODD Term 2018-19</p> <p>The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Odd Term 2018-19 have been prepared and proposed under YA11 of YCCE.</p>
18.11	<p>To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of ODD Term 2018-19.</p> <p>The panel of paper setters, Moderators and Valuers for the various theory courses at Postgraduate programs that will be examined in End Semester Examination of Odd Term 2018-19 have been prepared, proposed and submitted under YA11 format of YCCE.</p>
18.12	<p>To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination ODD Term 2018-19</p> <p>The panel of internal and external examiners for the various laboratory courses at UG and PG levels that will be examined in End Semester Examination of EVEN Odd 2018-19 have been finalized and submitted in the form of YA12 format.</p>
18.13	<p>Preparation of Electronic question Bank for VII and VIII Sem UG courses</p> <p>To review solutions to all questions of Electronic Question Banks for all courses of V SEM</p> <p>Preparation of Electronic question bank for VII and VIII Sem UG courses are going on.</p> <p>The question banks for V Sem is completed & validation of VI Semester question bank will be completed up to 30 December 2018.</p>



18.14

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

No changes have been proposed.

18.15

To prepare & propose Scheme of Examination 2018 for UG & PG programmes

The newly prepared Scheme of Examination for UG programme was placed and the experts suggested the following points.

III SEM

1. In subject **ET-1203 now ET2203 PC-Digital Circuits** the experts suggested to add 2 units on fundamentals of microprocessor which includes 8085.
The subject name should be changed as **Digital Circuit and Fundamental of Microprocessor**.
Unit I & II as well as Unit 5 & 6 should be merged.
2. In **ET-1204 now ET2204 PC-Lab: Digital Circuits** the experts suggested including practical on propagation delay, fan out of gate. Mini project should be given at the start of the session. Also the Lab name should be changed as **Digital Circuit and Fundamental of Microprocessor Lab**.
3. In subject **-ET-1201 now ET2201 PC-Electronic Devices & Circuits**, suggestions the following points
BJT as well FET amplifier must be covered.
High frequency amplifier must be added.
To Merge Unit I & II .
4. In **ET-1202 now ET2202 PC-Lab:Electronic Devices & Circuits** the experts suggested to add practical's on
Design Half wave and Full wave at different input /output ranges.
Use breadboard in EDC practical,
To have design based practical's & data sheets should be available.
5. In subject **ET-1206 now ET2206 PC- Lab: Electronic Measurement and Instrumentation** ,the experts suggested the following points
Application based practical should be taken.
The students should come with preparation for practicals (prerequisite)
Transient analysis using DSO can be studied.



IV SEM

18.16

1. **In subject ET-1301 now ET2254 PC: Analog Communication** the expert suggested to add book on Analog & Digital Communication by Dr A.S.Gandhi. And to remove topic PPM, PWM from Syllabus
 2. **In lab ET-1302 now ET2255 PC: Lab Analog Communication** the experts suggested to remove experiment 4,5,15 from experiment list.
To purchase power meter and conduct practical using it.
Practical's based on Interfacing of TV with cable , connectors.
 3. **In Subject ET-1210 now ET2252 PC: Microcontroller & Applications** the expert suggested to add introduction to external memory. The name of the subject be changed to **Microcontroller & Interfacing**. Brushless DC motors (BLDC) should be added.
 4. **In Lab ET-1211-now ET2253 PC Lab: Microcontroller & Applications** the experts suggested that the name of the Lab be changed to **Microcontroller & Interfacing lab**.
To add mini project in practical
Interfacing of DC motors in 8051 to be removed from practicals
- Two new PSOs are defined are discussed and approved.

All these suggestions were incorporated.

Any other matter with the permission of the Chair.

Chairman was authorized to finalize the SOE.

The meeting concluded with thanks to the Chair.

Dr M.D. Chawhan
Member Secretary,
BoS, ET

Dr.M.S.Nartawar
Chairman
BoS , ET



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8th Jan 2019

Notice of Meeting

To,
All the Members of
Board of Studies in
Electronics & Telecommunication Engineering

Dear Sir/ Madam,

The 19th meeting of the Board of Studies in **Electronics & Telecommunication Engineering** is scheduled on **Thursday, 10th Jan 2019 at 12:00 noon** in the **Department of Electronics & Telecommunication Engineering, YCCE, Nagpur.**

The agenda for the meeting shall be as follows:

ITEM NO.	AGENDA POINT
19.01	Welcome of new members
19.02	Installation of member Secretary
19.03	Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.
19.04	To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014 & Autonomous 2018) of the Undergraduate and Post graduate programs conducted under the Board
19.05	To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 & Autonomous 2018 Schemes of Undergraduate and Post graduate programs conducted under the Board.
19.06	To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.
19.07	To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.
19.08	To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.
19.09	To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.
19.10	To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End



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Semester Examination of Even Term 2018-19	
19.11	To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Even Term 2018-19
19.12	To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-19
19.13	Preparation of Electronic question Bank for V and VI Sem UG courses To review solutions to all questions of Electronic Question Banks for all courses of IV SEM
19.14	To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.
19.15	To prepare & propose group of minor courses & group of honor courses to be offered.
19.16	To propose to provision for PG students for year long internship i.e. offer courses of 3 rd semester in special summer term.
19.17	Any other matter with the permission of the Chair.

Kindly make it convenient to attend the meeting.

Dr. M.D. Chawhan
Member Secretary
BoS in E & T Engineering

Dr. M.S. Narlawar
Chairman
BoS in E & T Engineering



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SNo.	Name	Designation	Sign	Name	Designation	Sign
1	Dr.M.M.Mushrif	Member		B.Y. Masram	Member	
2	R.P.Deshmukh	Member		S.A.Desai	Member	
3	Dr. P.W. Raut	Member		N.A.Pande	Member	
4	Dr. D.B.Bhoyar	Member		M.S.Ghute	Member	
5	Dr. Mrs. Y.U.Chitriv (Dubey)	Member		Y. S. Kale	Member	
6	Dr. A.D.Belsare	Member		A.A.Madankar	Member	
7	Dr. N.D.Rehpade	Member		R.P.Kamdi	Member	
8	Dr. M.S.Dorle	Member		D.K.Thote	Member	
9	K.P.Kamble	Member		M.S.Patil	Member	
10	S.S.Chiwande	Member		M. M. Panchariya	Member	
11	A.V.Choudhari	Member		V.B.Niranjane	Member	
12	S.S.Khade	Member		A.A. Parkhi	Member	
13	C.S.Gode	Member				
14	M.L.Keote	Member				
15	P.D.Dorge	Member				
16	V.D. Bondre	Member				



Minutes of the 19th BOS Meeting

Date: 10th Jan 2019

The 19th BOS of **Electronics and Telecommunication Engineering** was held on **Thursday, 10th Jan 2019 at 12:00 noon** in the Department library.

The meeting was attended by the following members of BOS.

Sr. No	Name	Signature
01	Dr. K.D.Kulat, VNIT, Nagpur(VC Nominee)	Present
02	Dr. A.S. Gandhi, VNIT, Nagpur	Present
03	Dr.A.G.Keskar, VNIT, Nagpur	Present
04	Mr. Satish Awari, Director, Samartha Electro Care Pvt.Ltd.,Nagpur	Absent
05	Mr.Anirudhha Kalbande, Director Fireblaze Technologies Pvt.Ltd.Nagpur	Absent



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The following agenda points were discussed and deliberated in the meeting.

ITEM NO.	AGENDA POINT
19.01	Welcome of new members. BoS Chairman Dr. M.S. Narlawar welcome, all BoS members and new VC nominated member Dr.K.D.Kulat, VNIT,Nagpur.
19.02	Installation of member Secretary. NA
19.03	Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting. The minutes of the 18 th BOS meeting held on, 28th July 2018 in Electronics and Telecommunication Engineering were placed on the table and were confirmed unanimously.
19.04	To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board. The SOE and Syllabus of the courses offered in Autonomous 2014 Scheme has been discussed and finalized. No Changes have been proposed.
19.05	To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board. No Changes have been proposed.
19.06	To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs. No changes have been proposed.



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19.07	<p>To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.</p> <p>No changes have been proposed.</p>
19.08	<p>To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board..</p> <p>No changes have been proposed.</p>
19.09	<p>To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.</p> <p>Discussion on various MOOCs has been done and one MOOC course will be taken in Even sem of 2018-19.</p>
19.10	<p>To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-19</p> <p>The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-19 have been prepared and proposed under YA11 of YCCE.</p>
19.11	<p>To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Even Term 2018-19.</p> <p>The panel of paper setters, Moderators and Valuers for the various theory courses at Postgraduate programs that will be examined in End Semester Examination of Even Term 2018-19 have been prepared, proposed and submitted under YA11 format of YCCE.</p>
19.12	<p>To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-19</p> <p>The panel of internal and external examiners for the various laboratory courses at UG and PG levels that will be examined in End Semester Examination of EVEN term 2018-19 have been finalized and submitted in the form of YA12 format.</p>



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19.13

Preparation of Electronic question Bank for V and VI Sem UG courses

To review solutions to all questions of Electronic Question Banks for all courses of IV SEM

Preparation of Electronic question bank for V and VI Sem UG courses are going on.

The question banks for V Sem are completed & validation of V Semester question bank will be completed.



19.14

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

No changes have been proposed in existing Evaluation process for theory and other courses in the Scheme of Examination 2014

The newly prepared Scheme of Examination 2018 for UG programme was placed and the experts suggested the following points.

III SEM

1. In subject **ET-1203 now ET2203 PC- Digital Circuit and Fundamental of Microprocessor**. The experts suggested that Unit II,III should be of 5 hours and Unit V,VI should be of 7 hours.
2. In lab **ET2204 PC- Digital Circuit and Fundamental of Microprocessor** the experts suggested that experiment names to be generic such as Realize functions using MUX, Study of Coder Decoder and its implementation, etc.
3. In subject **ET-1201 now ET2201 PC-Electronic Devices & Circuits**, the experts suggested the following points
Unit I should be of 6 hours. Unit IV should be of 8 hours.
4. In subject **ET-1205 now ET2205 PC- Electronic Measurement and Instrumentation**, the experts suggested that BUSES should be added.
5. In subject **ET-2207 PC-Network Analysis** the experts suggested that all 6 units should be of 6 hours. To remove Kelkar Pandit book and to add author Gopal's book.

IV SEM

6. In subject **ET-1301 now ET2254 PC: Analog Communication** the expert suggested that hours of all units be changed to 6 hours. Nyquist sampling theorem to be removed.
7. In Subject **ET-1210 now ET2252 PC: Microcontroller & Applications** the expert suggested to add interfacing of peripherals (8255, 8259) and to remove ARM in unit 6.
The book of Dr.K.M.Bhurchandi should be reference book, instead of text book.
8. In Lab **ET-1211-now ET2253 PC Lab: Microcontroller & Applications** the experts suggested to take 2 mini projects.

All these suggestions were incorporated.



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19.15	<p>To prepare & propose group of minor courses & group of honor courses to be offered.</p> <p>N.A.</p>
19.16	<p>To propose to provision for PG students for yearlong internship i.e. offer courses of 3rd semester in special summer term.</p> <p>It has been decided to offer 3rd semester subjects of PG in special summer term. However, Elective I of III sem will be taken in I Sem and Elective II of III sem will be taken in II Sem .</p>
19.17	<ul style="list-style-type: none">• After redefining of COs and defining PSOs mapping of CO-PO is done and attainment of Pos as per modified Cos is discussed in BoS and approved <p>Any other matter with the permission of the Chair.</p>

Dr. M.D. Chawhan
Member Secretary
BoS in E & T Engineering

Dr. M.S. Narlawar
Chairman
BoS in E & T Engineering



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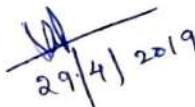
29th April 2019

Curriculum Development Workshop





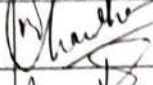





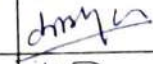

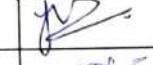

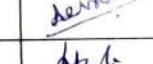

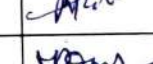

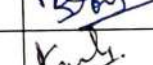

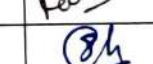








Date: 29th April 2019

The Curriculum Development Workshop of **Electronics and Telecommunication Engineering** was held on **Monday, 29th April 2019 at 11:00 AM** in the Department library.

The meeting was attended by the following members.

Sr. No	Name	Signature
01	Dr. R.B.Deshmukh VNIT, Nagpur. (Expert)	
02	Dr. Vivek Kanhangad, IIT, Indore (Expert)	 29/4/2019

Curriculum Development workshop

SNo	Name	Designation	*Sign	Name	Designation	Sign
1	Dr M.S. Nariawar	HOD, ET dept		P.D.Dorge	Member	
2	Dr. M.M. Mushrif	Member		V.D. Bondre	Member	
3	Dr M.D. Chawhan	Member Secretary		B.Y. Masram	Member	
4	R.P. Deshmukh	Member		S.A. Desai	Member	
5	Dr P.W. Raut	Member		N.A. Pande	Member	
6	Dr. D.B. Bhojar	Member		M.S. Ghute	Member	
7	Dr. Mrs. Y.U. Chitriv (Dubey)	Member		Y. S. Kale	Member	
8	Dr. A.D. Belsare	Member		A.A. Madankar	Member	
9	Dr. N.D. Rehpade	Member		R.P. Kamdi	Member	
10	Dr. M.S. Dorle	Member		D.K. Thote	Member	
11	K.P. Kamble	Member		M.S. Patil	Member	
12	S.S. Chiwande	Member		V.B. Niranjane	Member	
13	A.V. Choudhari	Member		A.A. Parkhi	Member	
14	S.S. Khade	Member				
15	C.S. Gode	Member				
16	M.L. Keote	Member				

Department of Electronics & Telecommunication Engineering

Curriculum development workshop: 16th February 2018

Minutes of the Curriculum Development Workshop

The Curriculum Development Workshop was held at Department of Electronics & Telecommunication Engineering on **29/04/2019**.

Agenda of CDW

1. Finalization of UG SOE.
2. To discuss and finalize the syllabus of V and VI semester B.E. ELECTRONICS & TELECOMMUNICATION ENGG.
3. To discuss and finalize UG absorption scheme.
4. Finalization and discussion of SOE of M.TECH. COMMUNICATION ENGINEERING

The subject experts present were as follows.

Sr.No	Name
1	Dr. Vivek Kanhangad, IIT, Indore
2	Dr. R.B.Deshmukh VNIT Nagpur.

The meeting was attended by the following faculty members.

Sr. No.	Name	Sign	Sr. No.	Name	Sign
1.	Dr M.S. Narlawar	Present	17	P.D.Dorge	Present
2	Dr.M.M.Mushrif	Present	18	V.D. Bondre	Absent
3	Dr M.D.Chawhan	Present	19	B.Y. Masram	Present
4	R.P.Deshmukh	Present	20	S.A.Desai	Present
5	Dr. P.W. Raut	Present	21	N.A.Pande	Present
6	Dr. D.B.Bhoyar	Present	22	M.S.Ghute	Present
7	Dr. Mrs. Y.U.Chitriv (Dubey)	Present	23	Y. S. Kale	Present
8	Dr. A.D.Belsare	Present	24	A.A.Madankar	Present
9	Dr. N.D.Rehpade	Present	25	R.P.Kamdi	Present
10	Dr. M.S.Dorle	Present	26	D.K.Thote	Present
11	K.P.Kamble	Present	27	M.S.Patil	Present
12	S.S.Chiwande	Present	28	V.B.Niranjane	Present
13	A.V.Choudhari	Present	29	A.A. Parkhi	Present
14	S.S.Khade	Present			
15	C.S.Gode	Present			
16	M.L.Keote	Present			

The following suggestions on SoE for UG Electronics & Telecommunication Engineering were given in the Curriculum Development Workshop (CDW)

1. SoE

- a. All the experts and faculty members discussed the SOE for UG and suggested that more emphasis should be given on subjects such as CS, EDC.
- b. The experts referred the GATE syllabus and saw the marks of each subject and accordingly gave suggestion for all V and VI semester subjects..

2. The syllabus of V and VI semester B.E. ELECTRONICS & TELECOMMUNICATION ENGG

V Semester

- a. **In subject ET-2301 Analog Integrated Circuits**, the experts suggested to add topics on power supply analysis (For feedback). In Unit 6 topics such as Power supply, Voltage reference, Ripple remover and Regulation,
- b. **In subject ET-2302 Lab Analog Integrated Circuits**, the experts suggested to add practical based on , Bistable.
- c. **In subject ET-2303 Fields & Radiating Systems**, the experts suggested to add Circular waveguide.
- d. **In subject ET-2304 Signals & Systems**, the experts suggested to add topics Group delay and Phase delay. In ET-2305 Lab Signals & Systems- **OK**.
- e. **In subject ET-2311 Microcontroller & Embedded Systems**, the experts suggested to add one Unit on Embedded System. Software and Hardware on Arduino and Raspberry Pi should be included.
- f. **In subject ET-2312/ET-2382 Principles of Communication Engineering**. Concentration on Digital Communication should be increased rather than analog communication. Topics such as Fiber Optics, and Wireless system can be introduced.
- g. **In subject ET-2313/2383 Fundamentals of Image Processing**, the experts suggested that applications of Image Processing. Topic on Geometric Transformation, Interpolation to be added.
- h. **In subject ET-2321/2391 Soft Computing**, the experts suggested that convolutional neural networks can be introduced. Assessment can be done by using MATLAB based simulations.
- i. **In subject ET-2322/2392 Industrial Instrumentation**, the experts suggested to introduce topics such as PLC, SCADA (Programming). Calibration Process.
- j. **In subject ET-2323/2393 OE II/OE IV: Medical Electronics**, the experts suggested to remove Electron Microscope..

- k. In subject ET-2324/2394 OE II/OE IV: Display Technology & Applications, the experts suggested no changes in the syllabus.

VI Semester

- a. In subject ET-2351 Digital Signal Processing, the experts suggested to remove Unit 1 and architecture. To introduce finite structure (word length), how to avoid index flow, over flow, characterization, sampling error in Unit 5, Multirate to improve SNR in Unit 6. Add books of latest editions.
- b. In subject ET-2361 Object Oriented Programming, the expert suggested no changes in the syllabus.
- c. In subject ET-2363 PE I: Discrete Structures the expert suggested no changes in the syllabus. ET 2364 : PE I : LAB discrete structures - ok.
- d. In subject ET-2365 PEI: Microprocessor & Peripherals: Restructure the syllabus.
- e. In Lab ET-2366 PEI: Microprocessor & Peripherals: Restructure the lab's experiments.
- f. In Subject ET-2367-PE I: Electronic Instrumentation the expert suggested to add PLC SCADA, cables, and connectors., impedance matching.
- g. In Lab ET-2368 Electronic Instrumentation Laboratory: the experts suggested characterization of all sensors e.g. temperature measurement should be added.
- h. In subject ET 2371 PEII: Antenna Theory and Design, the experts suggested no changes in the syllabus.
- i. In subject ET 2373 Digital System Design, the experts suggested to teach Verilog and remove VHDL. To teach Altera couple with FPGA. To add three units on structural, data flow, behavioral. To teach basic VHDL and introduction to Verilog. To add Unit on FPGA, Architecture. To add examples in Unit 6. To teach segmentation, parallel code debugging (to add debugging- One Unit).
- j. In Lab ET-2374 PE II Digital System Design: the experts suggested to add implementation of FPGA in lab practical.
- k. In subject ET 2375 PEII: Internet of Things (IoT), the experts suggested no changes in the syllabus
- l. In Lab ET 2376 PEII: Internet of Things (IoT), the experts suggested to design a system using IoT.

m. **In subject ET 2377 Optical Communication**, the experts suggested no changes in the syllabus

3. **Absorption scheme**

The UG absorption scheme was discussed with the experts and accepted by all.

4. **M.Tech (Communication Engineering)**

The scheme of examination and syllabus of M.Tech(Communication Engineering) was discussed with the experts. No changes were proposed in the scheme and syllabus, the experts also agreed to continue with the same scheme.



Dr. M.S. Narlawar
Chairman
BoS , ET



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Yeshwantrao Chavan College of Engineering

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Department of Computer Technology

Boards of Studies in Computer Technology

Minutes of the Meeting No. 19

Date: 28th July 2018

Meeting no. 19 of the Board of Studies in Computer Technology was held on 28th July 2018 at 10.00 A.M. in the Department library of Computer Technology department.

The meeting was attended by the following members of BoS.

External Members

S. N.	Name of Honorable External Member	Position held in BoS	Signature
1.	Dr. U. A. Deshpande	Nominee, RTM University	
2.	Dr. Ravindra Keskar	External Expert	
3.	Mr. Ajit Dharmik	Industry Expert	
4.	Mr. Vaibhav Deshpande	Alumni	

Faculty Members

Name of the Faculty	Signature
G. M. Dhopavkar	28/7
T. R. Ravi	28/7/18
K. R. Singh	28/07/2018
A. R. Bhagat Patil	28/07/2018



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Department of Computer Technology

S. D. Kamble	
S. J. Karale	
S. R. Kapse	
N. M. Jichkar	
R. D. Wajgi	
G. A. Choudhary	
L. B. Damahe	
N. U. Sambhe	
R. S. Khedgaonkar	
P. A. Deshkar	
P. V. Barekar	
S. S. Thombre	
N. S. Mangrulkar	
S. S. Lachure	
G. Yenurkar	
R. Bhanuse	
S. A. Gode	
Ms. K.P. Karule	

Yeshwantrao Chavan College of Engineering

Autonomous Institute of Information Technology, Maharashtra Maharaaj Nagpur University
Hawana Road, Wamadongri, Nagpur - 441 110
Ph: 07104-337919, 234623, 329249, 329250 Fax: 07104-332376. Website: www.yccc.edu

Department of Computer Technology

The following agenda points were deliberated in the meeting

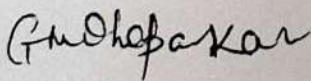
19.01	<p>Welcome of new members :- G. M. Dhopavkar, took a charge of HoD from 1st July 2018, & therefore as per academic regulation she is new Chairman, BoS, Computer Technology from session 2018-19 onwards. Nomination of Eternal Experts on The BoS. BoS proposed names of external experts on BoS for further recommendations :</p> <table border="1"><thead><tr><th>S. N.</th><th>Name of Honorable External Member</th><th>Position held in BoS</th></tr></thead><tbody><tr><td>1.</td><td>Dr. U. A. Deshpande</td><td>Nominee, RTM University</td></tr><tr><td>2.</td><td>Dr. Ravindra Keskar</td><td>External Expert</td></tr><tr><td>3.</td><td>Mr. Ajit Dharmik</td><td>Industry Expert</td></tr><tr><td>4.</td><td>Mr. Vaibhav Deshpande</td><td>Alumni</td></tr></tbody></table>	S. N.	Name of Honorable External Member	Position held in BoS	1.	Dr. U. A. Deshpande	Nominee, RTM University	2.	Dr. Ravindra Keskar	External Expert	3.	Mr. Ajit Dharmik	Industry Expert	4.	Mr. Vaibhav Deshpande	Alumni
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4.	Mr. Vaibhav Deshpande	Alumni														
19.02	<p>Installation of member Secretary Chairman constituted new committee under EX14.1 as under: G. M. Dhopavkar – Chairman Mr. Shailesh D. Kamble – Member Secretary Mr. L. B. Damahe – Member</p>															
19.03	<p>To confirm the minutes of Meeting of BoS. The minutes of the 18th Meeting of BoS in Computer Technology held on 20 January 2018 were placed on the table by Chairman Mrs. G. M. Dhopavkar were confirmed unanimously.</p>															
19.04	<p>To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board No Change.</p>															
19.05	<p>To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of and Post graduate programs conducted under the Board. Minor changes in undergraduate courses in Autonomous 2014 Scheme: CT1437: PE III: Parallel Computing CT1443: PE V: Internet of Things CT1454: PE III: Machine Learning Techniques</p>															
19.06	<p>To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs. No Change.</p>															
19.07	<p>To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-and Post Graduate programs. No Change.</p>															

24/8/18

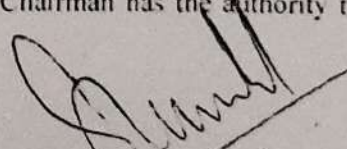
Department of Computer Technology

19.08	To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Postgraduate programs conducted under the Board. No Change.
19.9	To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum. PSOSN/PYTHON (subject to the course which will be launched by NPTEL/SWAYAM)
19.10	To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of odd Term 2018-19. :-The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs for End Semester Examination of ODD Term 2018-19 was constituted.
19.11	To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of odd Term 2018-19. :-The panel of paper setters, Moderators and Valuers for the various theory courses at Postgraduate programs for End Semester Examination of ODD Term 2018-19 was constituted.
19.12	To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination odd Term 2018-19. :-The panel of internal and external examiners for the various laboratory courses at UG and PG levels for End Semester Examination of ODD Term 2018-19 was constituted.
19.13	Preparation of Electronic Question Bank for VII and VIII Semester UG courses. To review solutions to all questions of Electronic Question Bank for all courses of V semester. Faculty allotted for preparation of electronic question bank for VII and VIII Semester.
19.14	To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses. No Change
19.15	To prepare & propose Scheme of Examination 2018 for UG programmes. The Scheme of Examination 2018 for UG programme is prepared and submitted to DAM.
19.16	Any other matter with the permission of the Chair Formal Thanks to External Experts on The BoS, BoS Members and member secretary.

The meeting was concluded with thanks to the Chair. BoS Chairman has the authority to final the Scheme of Examination.



Mrs G. M. Dhopavkar
Chairperson
BoS in Computer Technology



Mr. Smilesh D. Kamble
Member Secretary
BoS in Computer Technology

Date: 28th July 2018



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Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu

Department of Computer Technology

Boards of Studies in Computer Technology

Minutes of the Meeting No. 21

Date: 25th January 2019

Meeting no. 21st of the Board of Studies in Computer Technology was held on 25th Jan 2019 at 2.00 P.M. in the Department library of Computer Technology Department.

The meeting was attended by the following members of BoS.

External Members

S. N.	Name of Honorable External Member	Position held in BoS
1.	Dr. N. Bawane	Nominee, RTM University
2.	Dr. U. A. Deshpande	External Expert
3.	Dr. Ravindra Keskar	External Expert
4.	Mr. Ajit Dharmik	Industry Expert
5.	Mr. Vaibhav Deshpande	Alumni

BoS Members

Name of the Faculty
G. M. Dhopavkar
T. R. Ravi
K. R. Singh



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Department of Computer Technology

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G. Yenurkar
R. Bhanuse
S. A. Gode



Nagar Yuwak Shikshan Sanstha's

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Leave of absence was granted to following members:

Sr. No.	Name of Member
1.	Dr. Narendra Bawane, VC Nominee, RTM Nagpur University
2.	Mr. Ajit Dharmik, Industry expert
3.	Dr. S. J. Karale
4.	Mrs. G. A. Chaudhary
5.	Mrs. R. S. Khedgaonkar
6.	Ms. K.P. Karule

The following agenda points were deliberated in the meeting

21.01	Welcome of new members Dr. G. M. Dhopavkar , chairperson of CT BoS, informed about inclusion of Dr. Narendra Bawane Sir as VC Nominee at BoS, Computer Technology from session 2018-19 onwards.																		
	Nomination of External Experts on The BoS.																		
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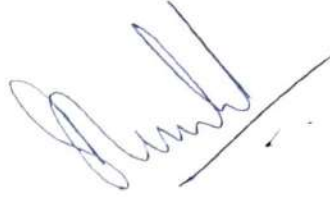
21.02	<p>Installation of member Secretary: Already Installed in Odd sem 2018-19</p> <p>CT department BoS:</p> <p>Dr. Mrs. G. M. Dhopavkar – Chairman Dr. S. D. Kamble – Member Secretary Mr. L. B. Damahe – Member</p>
21.03	<p>To confirm the minutes of Meeting of BoS.</p> <p>The minutes of the 20th Meeting of BoS in Computer Technology held on 5th Oct 2018 were placed on the table by Chairman Dr. Mrs. G. M. Dhopavkar and were confirmed unanimously.</p>
21.04	<p>To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board</p> <p>Following Courses were identified for the improvement in employability, skill development and Entrepreneurship:</p> <p>CT1455 PE IV: Cyber Forensics CT1456 Lab : PE IV: Cyber Forensics CT1345: Software Engineering CT1454 PE III: Machine Learning Techniques</p>
21.05	<p>To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Under graduate and Post graduate programs conducted under the Board.</p> <p>Minor changes in syllabi of following undergraduate courses in Autonomous 2014 Scheme:</p> <p>CT1345: Software Engineering CT1354: Introduction to Geographical Information System CT1418: PE IV: Digital Image Processing</p> <p>Minor changes in syllabi of following undergraduate courses in Autonomous 2018 Scheme:</p> <p>CT2201: Computer Architecture & Organization CT2251: Operating Systems CT2255: Mathematical Foundations for Data Analysis CT2257: Database Management Systems</p> <p>Minor changes in syllabi of following Post graduate courses in Autonomous 2018 Scheme:</p> <p>CSE2901 : High Performance Computer Architecture CSE3902 : Real Time Systems CSE3905 : Algorithm Design Techniques</p> <p>Following Courses were identified for the improvement in employability, skill development and Entrepreneurship:</p> <p>CT1455 PE IV: Cyber Forensics CT1456 Lab : PE IV: Cyber Forensics CT1345: Software Engineering CT1454 PE III: Machine Learning Techniques CT1408 PE III: Cloud Computing</p>
21.06	<p>To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.</p> <p>Additional reference book suggested for CT2201: Computer Architecture & Organization titled "Computer Architecture" by John Hennessy, David Patterson</p>

21.07	To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-and Post Graduate programs. No Change.
21.08	To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board. No Change.
21.9	To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum. No Change
21.10	To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of odd Term 2018-19. :-The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs for End Semester Examination of EVEN Term 2018-19 was constituted.
21.11	To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of odd Term 2018-19. :-The panel of paper setters, Moderators and Valuers for the various theory courses at Postgraduate programs for End Semester Examination of EVEN Term 2018-19 was constituted.
21.12	To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination odd Term 2018-19. :-The panel of internal and external examiners for the various laboratory courses at UG and PG levels for End Semester Examination of EVEN Term 2018-19 was constituted.
21.13	Preparation of Electronic Question Bank for UG courses. To review solutions to all questions of Electronic Question Bank for all courses of V semester. Review and Validation Process of Electronic Question Bank for Vth (Remaining courses) and VIth Semester courses is in Process.
21.14	To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses. ESE Onscreen Evaluation: Experts suggested that there should be a Comment Box for Remark of Evaluator on first page of evaluation screen.
21.15	To prepare & propose Group of Minor courses and Group of Honors courses to be offered. It is suggested to identify and prepare the list of courses under group of Minor and group of Honors courses based on thrust areas of the department with proposed course content.
21.15	To propose to provide- for PG students for Year Long Internship i.e. offer courses of 3 rd Semester in Special Summer Term. It is decided, for the Term 2019-20, Post Graduate students of 3rd Semester should be sent for complete one Year Internship at Industries with adjustment of 3rd Sem courses in Special Summer Term in year 2018-19. Two courses at 3rd semester level will be adjusted in subsequent modified SoE of PG 2019SoE at First semester and Second Semester respectively.
21.16	To discuss the feedback received from students/ teachers/employers/alumni/parents regarding teaching learning process in order to review and design the syllabus To review and design the syllabus based on the feedback received: CT1345: Software Engineering CT1354: Introduction to Geographical Information System CT2201: Computer Architecture & Organization CT2251: Operating Systems CT2255: Mathematical Foundations for Data Analysis
21.17	Any other matter with the permission of the Chair Formal Thanks to External Experts on The BoS, BoS Members by Member Secretary.

The meeting was concluded with thanks to the Chair. BoS Chairman has the authority to final the Scheme of Examination.



Dr. G. M. Dhopavkar
Chairperson
BoS in Computer Technology



Dr. Shailesh D. Kamble
Member Secretary
BoS in Computer Technology

Date: 25th Jan. 2019



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Department of Computer Technology

Minutes of the Meeting

8th Curriculum Development Workshop Date: 29-04-2019

The meeting was attended by the following members of CDW.

Sr. No.	Name	Designation in DQAC	Signature
1.	Dr. G. M. Dhopavkar	Chairman	<i>G. M. Dhopavkar</i>
2.	Dr. O. G. Kakde, Director, IIIT, Nagpur.	External Expert	<i>O. G. Kakde</i>
3.	Dr. P. S. Deshpande, CSE VNIT Nagpur	External Expert	<i>P. S. Deshpande</i>
4.	Dr. S. D. Kamble	Member Secretary	<i>S. D. Kamble</i>
5.	Mr. L. B. Damahe	Faculty Member	<i>L. B. Damahe</i>
6.	Mrs. R. D. Wajgi	Faculty Member	<i>R. D. Wajgi</i>
7.			
8.			
9.			
10.			

*LOA - Leave of Absence Granted



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Department of Computer Technology

Date:-29-04-2019

8th Curriculum Development Workshop

SN	Name of Faculty	Signature
1	MR. T.R RAVI	
2	MR.A.R.PATIL BHAGAT	
3	DR. K.R.SINGH	
4	DR.S.J.KARALE	
5	MRS. S.R. KAPSE	
6	MRS. N.M. JICHKAR	
7	MRS. G.A CHAUDHARY	
8	MR. N.U. SAMBHE	
9	MS. R.S.KHEDGAONKAR	
10	MRS.P.A.DESHKAR	
11	MR. P.V. BAREKAR	
12	MS. S.S. THOMBRE	
13	MR.N.S. MANGRULKAR	
14	MR. S. S. LACHURE	
15	MR.R.BHANUSE	
16	MR.G.YENURKAR	
17	MRS. S.A.GODE	
18	MS. K.P. KARULE	



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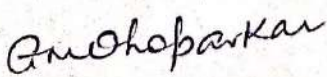
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Department of Computer Technology

The following agenda points were deliberated in the meeting

08.01	<p>To discuss and suggest the changes in the 5th and 6th semester Scheme of Examination (Scheme 2018) of the Undergraduate Program conducted under the Board</p> <p>In 5th semester introduce PE:I CRM instead of PE-I Probability Stastical Data Analysis and PE-I MOOC Courses instead of Computer Graphics</p>												
08.02	<p>To discuss and suggest the changes in the proposed syllabi of courses offered in 5th and 6th semester (scheme 2018) of the Under graduate programs conducted under the Board.</p> <p>changes in syllabi of following undergraduate courses in 2018 Scheme were suggested by experts:</p> <table><tr><td>CT2301</td><td>Computer Networks</td></tr><tr><td>CT2313</td><td>PE I: Mobile Operating System</td></tr><tr><td>CT2367</td><td>PE II: Parallel Programming</td></tr><tr><td>CT2321</td><td>OE I: Introduction to DBMS</td></tr><tr><td>CT2333</td><td>OE II: Internet Technology</td></tr><tr><td>CT2323</td><td>OE I: Image Processing</td></tr></table>	CT2301	Computer Networks	CT2313	PE I: Mobile Operating System	CT2367	PE II: Parallel Programming	CT2321	OE I: Introduction to DBMS	CT2333	OE II: Internet Technology	CT2323	OE I: Image Processing
CT2301	Computer Networks												
CT2313	PE I: Mobile Operating System												
CT2367	PE II: Parallel Programming												
CT2321	OE I: Introduction to DBMS												
CT2333	OE II: Internet Technology												
CT2323	OE I: Image Processing												
08.03	<p>Any other matter with the permission of the Chair</p> <p>Suggestions given by experts:</p> <ol style="list-style-type: none">1. Practical for all Open Elective Courses may be offered.2. Course Code for Laboratory and Theory courses may be same as per NBA point of view (New Format)3. Option should be given to students for MOOC/Swayam Courses4. CT2313 PE I: Mobile Operating System Syllabus to include 8 to 10 application5. CT2321 OE I: Introduction to DBMS syllabus should include SQL												

The meeting was concluded with thanks to the Chair. BoS Chairman has the authority to final the Scheme of Examination and syllabus.


Dr. G. M. Dhopavkar
Chairperson
BoS in Computer Technology


Dr. Shallesh D. Kamble
Member Secretary
BoS in Computer Technology



Yeshwantrao Chavan College of Engineering

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Department of Information Technology Board of Studies in Information Technology

Minutes of the Meeting No. 21

The 21st meeting of the Board of Studies in **Information Technology** was held on **28/07/2018** (Saturday) at 11:00 am in the **Department of Information Technology, YCCE, Nagpur**.

The agenda for the meeting no. 21 was as follows:

21. 1. Welcome of new Members.
21. 2. Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.
21. 3. To discuss and suggest the minor changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate program.
21. 4. To prepare & propose Scheme of Examination 2018 for UG programme.
21. 5. To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate Program.
21. 6. To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of UG program.
21. 7. To discuss and suggest the changes in the Academic Regulations governing the Undergraduate programs.
21. 8. To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.
21. 9. Prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Odd Term 2018-19.
21. 10. To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG level that will be examined in End Semester Examination Odd Term 2018-19.
21. 11. Preparation of Electronic question Bank for VII and VIII Sem UG courses
21. 12. To review solutions to all questions of Electronic Question Banks for all courses of V SEM



Nagar Yuwak Shikshan Sanstha's

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- 21.13. To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.
- 21.14. To review Departmental Mission and Vision Statement, CO & POs.
- 21.15. To discuss the feedback received from students /teachers/ employers/alumni/parents regarding teaching learning process in order to review and design the syllabus.
- 21.16. Any other matter with the permission of the Chair.

Following BoS Members were present:

Sr. No.	Name
1.	Mr. R. C. Dharmik, Chairman
2.	Dr. S.R. Sathe, CSE VNIT Nagpur
3.	Dr. U. A. Deshpande, CSE VNIT Nagpur
4.	Mr. Parikshit Umare, YouBotics Nagpur
5.	Mr. Abhishek Nachankar, Member PG Alumni
6.	Mr. S. W. Shende, Member Secretary
7.	Dr. K. K. Bhoyar
8.	Dr. M. M. Raghuvanshi
9.	Mrs. Swati G. Kale
10.	Ms. N. R. Wankhade
11.	Mr. Sachin Jain
12.	Mr. Bhushan Bawankar
13.	Mr. A. D. Gaikwad
14.	Ms. P. J. Jaiswal
15.	Mr. S. S. Chavhan

Leave of Absence is granted to the following Members:

1	Mr. Manish Hadap
2	Mrs. Rupa A. Fadanvis
3	Mrs. S. Gugulothu



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Following decisions/suggestions are approved in the BoS Meeting:

1	Welcome of new Members.	<p>Welcoming the new Chairperson and handing over the charge to new Chairperson.</p> <p>Dr. U. H. Gawande hand over the Charge of Chairman of BoS in IT to Mr. R. C. Dharmik, HOD IT.</p> <p>Following New Expert Members were introduce:</p> <p>Dr S.R. Sathe Professor CSE VNIT Nagpur Dr U.A. Deshpande Professor & Head CSE VNIT Nagpur Mr. Parikshit Umare, YouBotics Nagpur</p>
2	Installation of member Secretary	
2	Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.	The minutes of the 20 th Meeting of BoS & CDW-6 in Information Technology held on,06/01/2018 & 12/02/2018 were placed on the table and were confirmed unanimously.

Sem.	Course name & suggestions	Action Taken
I	<p>ITCP TH: Remove topic Call by Reference</p> <p>ITCP Lab: Add introduction to Development Environment</p>	Done by SRJ
III	<p>Digital Circuits & Microprocessors: Keep only Digital Circuits Parts Remove Microprocessors part.</p>	Prepared two Syllabus one for Digital Logic Design and another one for Digital Circuits & Microprocessors: By SSG
	<p>Digital Circuits & Microprocessors Lab: Needs to be modified</p>	Done by SSG
	<p>Concepts in Programming Languages : Accommodate the topics of this course in Data structures & Compilers and replace this course by: Object Oriented Programming Course.</p>	Prepared syllabus of OOP by SSC
	<p>Concepts in Programming Languages Lab: Needs to be modified based on OOP concepts.</p>	Done by SSC



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IV	Data Structures and Program Design-I: Keep Asymptotic Notations & Time-space trade off.	Done by MMR
	Computer Architecture & Organization: Needs to be modify , refer AICTE Model Syllabus	Done by SGK
	Software Lab- I (Web Programming): Remove PHP Part, Keep only HTML, CSS, & JavaScript.	Modifications done by BUB
	Data Structures and Program Design-II: Add the book : Introduction to algorithms by Thomas Cormen,Leiserson,Rivest,Stein.	Done BY MMR
	Computer Networks: Add the topics suggested by AICTE Model Syllabus.	Done by ADG
	Theory of Computation: Add the topic Finite automata	Done by RCD
	Software Lab- II (Open Source Tool,Scripting Lang): Add practical based on building an application at the end.	Done by RCD

- 2 To prepare & propose Scheme of Examination 2018 for UG programme. Prepared draft copy of UG-SoE 2018-2022 is placed for the discussion.Following suggestions were given by the expert:

Semester	Suggestions
III Sem	<ol style="list-style-type: none"> 1. Keep Digital Circuits and Microprocessors Course in place of Digital Logic Design 2. Syllabus of Object oriented programming course is approved. 3. Changes made in Computer Architecture & organization course is approved
IV Sem.	<ol style="list-style-type: none"> 1. Discrete Mathematics & Probability: Add the topic pigeonhole principle,counting.Remove the topic fuzzy set . Add the book on Discrete mathematics by Rosen. 2. Computer Networks: Changes made in Computer Networks course is approved. 3. Theory of Computations : Changes are approved.



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		4. Title of " Functional English "to be change.
	V Sem	DBMS: Add topics based on No Sql, Mongo DB etc. Titles of " Remedial grammar "to be change.
	VI Sem.	
	VII Sem.	Make Machine learning as core course
	VIII Sem	Change the title of "Extra curricular Activity Evaluation" to "Extra curricular Activity" Change the title of "Campus Recruitment Training" as "Soft Skills ".
3	SOE UG (Autonomous 2014)	No Change
4	Syllabus UG (Autonomous 2014)	In view of employability, skill development and Entrepreneurship following modifications were suggested : Minor Changes suggested for following two courses: 1) IT1307 Computer Graphics (V Sem.) 2) IT1330 BUSINESS INTELLIGENCE (VI SEM)
5	Changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.	None
6	Changes in the Academic Regulations	None



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governing the UG & PG Programme				
7	MOOCs	<p>In view of employability, skill development and Entrepreneurship following course is identified for inclusion under MOOCs in Odd semester 2018-19 for VII sem students:</p> <p>Course Name : Cloud Computing and Distributed Systems Faculty : Prof. Rajiv Misra (IIT Patna)</p> <p>Link for Registration : https://onlinecourses.nptel.ac.in/noc18_cs45 Duration : 8Week (27 Aug. To 19 Oct.) Exam date : 28 Oct. 2018</p>		
8	YA-11 & 12 (UG & PG) – 2018-19	Discussed and approved.		
9	E-Question Bank and Solution	Status of E-Question Bank:		
Sr. No.	Subject	Semester	Name of faculty member	Status
1.	Operating Systems	5th sem	Dr. K.K.Bhoyar	External validation done
2.	Software Engg.	5th sem	Mr. Amol Gaikwad	External validation done
3.	Database Management System	5th sem	Mrs.Priyanka Jaiswal, Mr. Sushil Chvhan	External validation done
4.	Computer Graphics	5th sem	Dr. U.H. Gawande	External validation done
5.	Web programming	5th sem	Mr.Ganesh Yenurkar	External validation done
6.	Data Analysis & Statistics	5th sem	Mrs. R.A.Fadnavis	External validation done
7.	OE-1Web Technology	5th sem	Mr.Ganesh Yenurkar	External validation done
8.	OE-1 Object Oriented Programming (Java)	5th sem	N. R. Wankhade	Not Done
15	Computer Networks (As per New Syllabus)	6th sem	Mr. M. K. Hadap	Proposed
16	Business Intelligence	6th sem	Mrs. R.A.Fadanavis	Proposed
17	Design & Analysis of	6th sem	Dr. M. M. Raghuwanshi	Proposed



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	Algorithms			
18	Artificial Intelligence	6th sem	Mrs. S.G.Kale.	Proposed
19	Digital Image Processing	6th sem	Dr. U.H.Gawande	Prepared. External and Internal verification is to be done
20	Internet of Things	6th sem	Mr. Sachin Jain	Prepared. External and Internal verification is to be done
21	Information Security (OE-2)	6th sem	Ms.N. R. Wankhade	Proposed
22	Mobile Communication	6th sem	Mr.A.D. Gaikwad	Proposed
10	E-Question Bank Solution	Solution set for EQB (25%) has been prepared for the followings courses: 1 st Year: Introduction to Computer Programming III Sem. <ul style="list-style-type: none"> • Algorithm and Data Structures • Introduction to Information Technology • Microprocessor Based System Design 		
11	Discuss and Suggest the changes/additions/ deletions/alterations in existing evaluation process for theory and other courses.	No change		
12	Review Departmental Mission & Vision statements. CO,PO of New scheme	Departmental Mission & Vision statements, and CO's ,PO's are approved under BoS. Institute level Mission & Vision statement shown to the expert members.		
13	To discuss the feedback received from students /teachers/ employers/alumni/parents regarding teaching learning process in order to review and design the syllabus.	Add more Programming Languages and Industry related technologies.		



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The SOE for 2018-22 scheme was discussed at length and the chairman is authorized to finalize the SOE.

The meeting concluded with thanks to the Chair.

Sr. No.	Name of Expert Member	Designation	Signature
1	Dr. S. R. Sathe	Registrar , VNIT Nagpur	<i>SRsathe</i>
2	Dr. U. A. Deshpande	Professor & Head, CSE, VNIT Nagpur	<i>U. A. Deshpande</i>
3	Mr. Parikshit Umare	Co-founder, YouBotics Nagpur	<i>Parikshit Umare</i>
4	Mr. Abhishek Nachankar	Asst. Prof. CT Deptt., KDK, Nagpur (Alumni Member)	<i>Abhishek Nachankar</i>

Mr. R. C. Dharmik

Chairman

BoS in Information Technology

Yeshwantrao Chavan College of Engineering, Nagpur

Board of Studies in Information Technology

BOS Meeting-21

Date: 28th July 2018

The following Members have attended the 21st meeting of Board of Studies in Information Technology on 28th July 2018 at 11:30 am in the department of Information Technology.

Sr. No.	Name	Signature
1.	Dr S. R. Sathe, CSE VNIT Nagpur	SRsathe
2.	Dr. U. A. Deshpande , CSE VNIT Nagpur	UADeshpande
3.	Mr. Parikshit Umare, YouBotics, Nagpur	Parikshit Umare
4.	Mr. Abhishek Nachankar, KDK COE, Nagpur	Abhishek Nachankar
5.	Mr. R. C. Dharmik , Chairman	R. C. Dharmik
6.	Mr. S. W. Shende, Member Secretary	S. W. Shende
7.	Dr. K. K. Bhoyar	K. K. Bhoyar
8.	Dr. M. M. Raghuvanshi	M. M. Raghuvanshi
9.	Mrs. Rupa A. Fadanvis	
10.	Ms. Nisha R. Wankhade	Nisha R. Wankhade
11.	Mrs. Swati G. Kale	Swati G. Kale
12.	Mr. Manish Hadap	
13.	Mr. Sachin Jain	Sachin Jain
14.	Mr. Bhushan Bawankar	Bhushan Bawankar
15.	Mr. A. D. Gaikwad	A. D. Gaikwad
16.	Mr. S. S. Chavhan	S. S. Chavhan
17.	Ms. Priyanka Jaiswal	Priyanka Jaiswal
18.	Mrs. S. Gugulothu	S. Gugulothu



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Department of Information Technology Board of Studies in Information Technology

Minutes of the Meeting No. 22

The 22nd meeting of the Board of Studies in **Information Technology** was held on **12/01/2019** (Saturday) at 11:45 am in the **Department of Information Technology, YCCE, Nagpur.**

The agenda for the meeting no. 22 was as follows:

- 22.1 Welcome of new Members.
- 22.2 Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.
- 22.3 To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014 & Autonomous 2018) of the Undergraduate program conducted under the Board.
- 22.4 To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 & Autonomous 2018 Schemes of Undergraduate programs conducted under the Board.
- 22.5 To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate Program.
- 22.6 To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of UG program.
- 22.7 To discuss and suggest the changes in the Academic Regulations governing the Undergraduate programs.
- 22.8 To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.
- 22.9 Prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-19.
- 22.10 To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG level that will be examined in End Semester Examination Even Term 2018-19.
- 22.11 Preparation of Electronic question Bank for V and VI Sem UG courses. To review solutions to all questions of Electronic Question Banks for all courses of IV SEM.



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- 22.12 To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.
- 22.13 To prepare & propose Group of minor courses and Group of honor courses to be offered.
- 22.14 To discuss the feedback received from students /teachers/ employers/alumni/parents regarding teaching learning process in order to review and design the syllabus.
- 22.15 Any other matter with the permission of the Chair.



Following BoS Members were present:

Sr. No.	Name
1.	Mr. R. C. Dharmik, Chairman
2.	Dr. S.R. Sathe, Prof. CSE, VNIT Nagpur
3.	Mr. Parikshit Umare, CEO YouBotics Nagpur
4.	Mr. Abhishek Nachankar, Member PG Alumni
5.	Mr. S. W. Shende, Member Secretary
6.	Dr. K. K. Bhoyar
7.	Dr. U. H. Gawande
8.	Mrs. R. A. Fadnavis
9.	Mrs. Swati G. Kale
10.	Ms. N. R. Wankhade
11.	Mr. Manish Hadap
12.	Mr. Sachin Jain
13.	Mr. Bhushan Bawankar
14.	Mr. A. D. Gaikwad
15.	Ms. P. J. Jaiswal
16.	Mr. S. S. Chavhan
17.	Mrs. S. Gugulothu

Leave of Absence is granted to the following Members:

1	Dr. U. A. Deshpande, Prof. & Head CSE, VNIT Nagpur
2	Dr. D.S. Adane, Prof. & Head IT, RCOEM Nagpur
3	Dr. M. M. Raghuvanshi



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Following decisions/suggestions are approved in the BoS Meeting:

1	Welcome of new Members.	Following New Expert Members were introduce: Dr D.S. Adane Head IT Deptt. RCOEM Nagpur as a VC Nominee.
2	Installation of member Secretary	NIL
3	Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting.	The minutes of the 21 st Meeting of BoS in Information Technology held on,28/07/2018 were placed on the table and were confirmed unanimously.
4-a	To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate program conducted under the Board.	Nil
4-b	To discuss and suggest the changes in the Scheme of Examination Autonomous 2018 of the Undergraduate program conducted under the Board.	In view of employability, skill development and Entrepreneurship following modifications were suggested
	III SEM.	1. Modify the syllabus of following courses: a) Digital Circuits and Microprocessors. b) Data structures and Program Design -I 2. Add Course Objectives and Outcomes to all courses
	IVSEM.	1. Modify the syllabus of following courses: a) Data structures and Program Design -II b) Software Lab-II 2. Add Course Objectives and Outcomes to all courses 3. Shift Operating System Course to V Sem. 4. Change the title of Course Mathematics-IV to

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		Discrete Mathematics and Probability Theory, and Add the topic pigeonhole principle, counting. Remove the topic fuzzy set .
V SEM.		<ol style="list-style-type: none"> 1. Shift DBMS course to IV Sem. 2. Modified the Title of Artificial Intelligence Course as Principles of Artificial Intelligence Course. 3. Shift Software Engineering course to VI Sem. 5. Add Open Elective-1, Industr4.0 in place of Web Technology. 6. Add Open Elective-2, Machine Learning in place of Introduction to E-Commerce.
VI SEM.		<ol style="list-style-type: none"> 1. Shift Data Mining Course to VII Sem. 2. Remove AI Lab 3. EL-2: DIP + Lab and DS +Lab shifted to VII Sem as EL-4 4. Machine Learning Lab is Introduced
VII SEM.		<ol style="list-style-type: none"> 1. Shift Principles of Compiler Design with Lab to VI Sem. 2. Shift Machine Learning course to VI Sem. 3. Add Data Mining Lab 4. Remove NNFL Lab and kept NNFL as PE-3
VIII SEM.		No change
5	Changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.	IV Sem. Discrete Mathematics and Probability Theory/Mathematics-IV: Add the book on "Discrete Mathematics" by Rosen.
6	To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of UG program.	No change
7	Changes in the Academic Regulations	None



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governing the UG & PG Programme																													
8	MOOCs	<p>In view of employability, skill development and Entrepreneurship following course is identified for inclusion under MOOCs in Even semester 2018-19 for IV Sem :</p> <p>Introduction to Automata, Languages and Computation By: Sourav Mukhopadhyay. Indian Institute of Technology - Kharagpur</p> <table border="1"> <tr> <td>Start Date: 28/01/2019</td> </tr> <tr> <td>End Date: 21/04/2019</td> </tr> <tr> <td>Enrollment End Date: 4/2/2019</td> </tr> </table>			Start Date: 28/01/2019	End Date: 21/04/2019	Enrollment End Date: 4/2/2019																						
Start Date: 28/01/2019																													
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9-10	YA-11 & 12 (UG) – 2018-19	Discussed and approved.																											
11-a	Preparation of Electronic question Bank for V and VI Sem UG courses. To review solutions to all questions of Electronic Question Banks for all courses of IV SE	Status of E-Question Bank:																											
		<table border="1"> <thead> <tr> <th>Sr. no.</th> <th>Subject</th> <th>Name of Faculty</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Operating System [IT1303]</td> <td>Dr. K.K. Bhoyar</td> <td rowspan="7">External Validation was Done</td> </tr> <tr> <td>2</td> <td>Software Engineering [IT1305]</td> <td>Mr. Amol Gaikwad</td> </tr> <tr> <td>3</td> <td>DBMS [IT1316]</td> <td>Mrs. P. G. Jaiswal</td> </tr> <tr> <td>4</td> <td>Data Analysis and Statistics [IT1328]</td> <td>Mrs. R. A. Fadnavis</td> </tr> <tr> <td>5</td> <td>Web Technology [IT1322]/Web Programming [IT1327]</td> <td>Mr. B. U. Bawankar</td> </tr> <tr> <td>6</td> <td>Computer Graphics [IT1307]</td> <td>Dr. U. H. Gawande</td> </tr> <tr> <td>7</td> <td>Object Oriented Programming [IT1325]</td> <td>Ms. N. R. Wankhade</td> </tr> </tbody> </table>	Sr. no.	Subject	Name of Faculty	Status	1	Operating System [IT1303]	Dr. K.K. Bhoyar	External Validation was Done	2	Software Engineering [IT1305]	Mr. Amol Gaikwad	3	DBMS [IT1316]	Mrs. P. G. Jaiswal	4	Data Analysis and Statistics [IT1328]	Mrs. R. A. Fadnavis	5	Web Technology [IT1322]/Web Programming [IT1327]	Mr. B. U. Bawankar	6	Computer Graphics [IT1307]	Dr. U. H. Gawande	7	Object Oriented Programming [IT1325]	Ms. N. R. Wankhade	
Sr. no.	Subject	Name of Faculty	Status																										
1	Operating System [IT1303]	Dr. K.K. Bhoyar	External Validation was Done																										
2	Software Engineering [IT1305]	Mr. Amol Gaikwad																											
3	DBMS [IT1316]	Mrs. P. G. Jaiswal																											
4	Data Analysis and Statistics [IT1328]	Mrs. R. A. Fadnavis																											
5	Web Technology [IT1322]/Web Programming [IT1327]	Mr. B. U. Bawankar																											
6	Computer Graphics [IT1307]	Dr. U. H. Gawande																											
7	Object Oriented Programming [IT1325]	Ms. N. R. Wankhade																											



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6th Sem. (Q. Bank)

Sr. No.	Course Name	Name of Course Teacher	Status
1	Computer Networks	Mr. Amol Gaikwad	Proposed
2	Business Intelligence	Mrs. R.A. Fadanavis	Proposed
3	Design & Analysis of Algorithms	Dr. M. M. Raghuwanshi	Proposed
4	Digital Image Processing	Dr. K. K. Bhojar	Proposed
5	Internet of Things	Mr. Sachin Jain	Proposed
6	Introduction to E-Commerce	Mr. B. U. Bawankar	Proposed
7	Information Security	Mrs. P. G. Jaiswal	Proposed
8	Artificial Intelligence	Dr. U. H. Gawande	Proposed

11-
b

E-Question Bank Solution

Solution set for EQB (25%) has been prepared for the followings courses:

1st Year: Introduction to Computer Programming

III Sem.

- Algorithm and Data Structures
- Introduction to Information Technology
- Microprocessor Based System Design



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Department of Information Technology Board of Studies in Information Technology

12	Discuss and Suggest the changes/additions/deletions/alterations in existing evaluation process for theory and other courses.	No change																								
13	To prepare & propose Group of minor courses and Group of honor courses to be offered.	<table border="1"> <thead> <tr> <th>Sem</th> <th>Minor Course List</th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Data Structures and Program Design-I</td> </tr> <tr> <td>5</td> <td>Operating Systems</td> </tr> <tr> <td>5</td> <td>Data Base Management Systems</td> </tr> <tr> <td>5</td> <td>Software Engineering</td> </tr> <tr> <td>6</td> <td>Design & Analysis of Algorithms</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Sem</th> <th>Honor Course List</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>Information Retrieval</td> </tr> <tr> <td>7</td> <td>High Performance Parallel Computing</td> </tr> <tr> <td>7</td> <td>Big Data Analysis</td> </tr> <tr> <td>7</td> <td>Pattern Recognition</td> </tr> <tr> <td>7</td> <td>Wireless Sensor Network</td> </tr> </tbody> </table>	Sem	Minor Course List	3	Data Structures and Program Design-I	5	Operating Systems	5	Data Base Management Systems	5	Software Engineering	6	Design & Analysis of Algorithms	Sem	Honor Course List	7	Information Retrieval	7	High Performance Parallel Computing	7	Big Data Analysis	7	Pattern Recognition	7	Wireless Sensor Network
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14	To discuss the feedback received from students /teachers/ employers/alumni/parents regarding teaching learning process in order to review and design the syllabus.:	Include Python , Angular JS , Machine Learning and courses related to the development of projects																								



Nagar Yuwak Shikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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Hingna Road, Wanadongri, Nagpur - 441 110

Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: www.ycce.edu


Department of Information Technology

Board of Studies in Information Technology

The SOE for 2018-22 scheme was discussed at length and the chairman is authorized to finalize the SOE.

The meeting concluded with thanks to the Chair.

Sr. No.	Name of Expert Member	Designation	Signature
1	Dr. S. R. Sathe	Professor CSE , VNIT Nagpur	S R Sathe
2	Dr. D. S. Adane	Professor & Head, IT Deptt. RCOEM, Nagpur	—
3	Mr. Parikshit Umare	CEO & Co-founder, YouBotics Nagpur	Parikshit Umare
4	Mr. Abhishek Nachankar	Asst. Prof. CT Deptt., KDK, Nagpur (Alumni Member)	Abhishek Nachankar


Mr. R. C. Dharmik

Chairman,

BoS in Information Technology



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Board of General engineering

Agenda: 17th Board of Studies Meeting

Saturday Jul 28th , 2018 , Time : 10.00 a.m.

Item No. 17.01

Welcome of new members

Item No. 17.02

Installation of member Secretary

Item No.17.03

Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting

Item No. 17.04

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board.

Item No17.05

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board.

(Comment: Consider the remarks given by the faculty in course completion reports of previous terms)

Item No.17.06

To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

Item No. 17.07

To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.

(Comment: The laboratory courses may be described in greater details for easy understanding by students.)

Item No. 17.08

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.

Item No.17.09

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.

Item No.17.10

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Odd Term 2018-19

Item No. 17.11

To prepare and propose the list of question paper setters and evaluators for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Odd Term 2018-19(Comment: Question papers of all the courses of PG programs are set and evaluated by the course instructor from Odd Term 2018-19. The grades of the students will also be decided by the Course Instructors.)

Item No.17.12

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Odd Term 2018-19.

Item No. 17.13

Preparation of Electronic question Bank for VII and VIII Sem UG courses
To review solutions to all questions of Electronic Question Banks for all courses of V SEM

Item No.17.14

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

Item No.17.15

To prepare & propose Scheme of Examination 2018 for UG & PG programmes.

Item No.17.16

To discuss feedback on Teaching Learning Process from students, it's process, method, inferences from its analysis, etc. and propose the changes, if any.

Item No. 17.17:

To discuss completion feedback from faculties to be submitted to head-department of Applied Physics, Applied Chemistry and Applied Mathematics and Humanities.

Item No.17.18

Any other matter with the permission of the Chair.

m. Manjusha
Dr. Manjusha P. Gandhi,
Chairperson BoS in GE ,

Adak
Dr. Malabika Adak
Member secretary, BoS in GE



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Board of Studies (General engineering)

Minutes of 17th BoS Meeting in General Engineering

The 17th BOS meeting of General Engineering board was held on Saturday, 28th July 2018 in Science building, room no-Sc- 210 at 10 a.m. The meeting was carried out in the absences of Dr. Arti Ghogre, Dr. Arvinderkour, Dr.S.A.Band, Dr. S. A. Fadanvis, Mrs. S.S.Kolte, Mrs. M.B.Mahalle, Dr.A.B.Bhake. The expert from NEERI Dr. Abha Sargaoukarwas on leave for personal work.

The minutes of meeting are as follows:

Item No	Detail
17.01	Retention of previous members.
17.02	The meeting begins with the welcome of new BOS chairman Dr. M. P. Gandhi, member secretary Dr. Malabika Adak.
17.03	Minutes of previous meeting were confirmed.
17.04	Scheme of Examination 2018-19 is discussed and accepted by all members.
17.05	Some minor changes are suggested in 6 th unit of Applied Chemistry.
17.06	<ul style="list-style-type: none">The list of books / Reference Books/ Literature Sources specified in the syllabi of all courses is carried forward.Dr. Nanoti has explained the importance of digital content related to syllabus and beyond it. It can reach to students via video links that can be uploaded weekly.
17.07	The sincere thought was given by the members on experiments for UG courses in Physics and Chemistry and it continued with the previous one.
17.08	Dr. Ganvir has given the suggestion in Academic Regulations in UG program regarding number of students appearing in Re-MSE-I &II and single attempt to be given for Re-MSE in one semester.
17.09	Dr. Nanoti and Dr. Bagchi have suggested displaying the details of MOOC courses.
17.10	Paper setter names are already received for PG program.
17.11	Respective HoDs have proposed the list of question paper setters, moderator and evaluators under the Board that will be for Odd Semester Examination 2018-19.
17.12	Respective HoDs have proposed the panel of internal and external examiners for the various laboratory courses at UG levels for Odd Semester Examination 2018-19.
17.13	<ul style="list-style-type: none">Electronic question banks for all courses are ready.Solutions for updated E-question banks is in progress.

	<ul style="list-style-type: none"> E-question bank should be made available for students, suggested by Dr. P.T. Kosankar.
17.14	<ul style="list-style-type: none"> Dr. Kosankar has emphasized to maintain confidentiality of answer paper of ESE by masking the name of evaluator before showing it to students. Two stage evaluation method for Physics practical is strongly recommended by Dr.J.R. Ghulghule from Physics Department.
17.15	AICTE guideline is to be followed for conducting tutorial of Chemistry & Physics.
17.16	Course Completion feedback from faculties are submitted to head-departments of Applied Physics, Applied Chemistry and Applied Mathematics and Humanities.
17.17	Communication Skill development activities like Debate competition, essay Competition to be organized.

Meeting ends with vote of thanks.

Manjusha P. Gandhi

Dr. Manjusha P. Gandhi,
Chairperson BoS in GE ,

Malabika Adak

Dr. Malabika Adak
Member secretary, BoS in GE


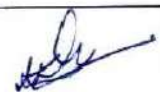
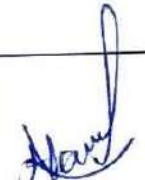

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Board of General engineering


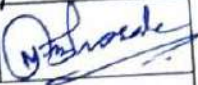
Agenda: 17th Board of Studies Meeting

Saturday Jul 28th, 2018, Time : 10.00 a.m.






Following members are present in 17th Board of Studies Meeting in General engineering

Sr. No	Name	Mobile No	E-mail	Signature
1	Dr.(Mrs.)M.P.Gandhi Charman	9421780188	manjusha_g2@rediffmail.com	
2	Dr. Malabika Adak, Member Secretary	8793435532	malabikaadak@yahoo.co.in	
3	VC nominee			
4	Dr. Vivek Nanoti, Principal, PIET, Nagpur Expert Academician	9822233286	viveknanoti@gmail.com	
5	Dr. (Mrs.)A.P. Sargaonkar, Principal Scientist, NEERI, Nagpur Expert Academician	9326733667	ap_sargaonkar@neeri.res.in	Absent
6	Dr. S.S. Bagchi Dy. General Manager Reliance Power, Butibori, Nagpur Expert from Industry	9423416889/ 9372933666	surjyotibagchi@relianceada.com ssbagchi@rediffmail.com	



Mathematics

7	Prof.G.R.Labde	8007902910	girish.labde@gmail.com	
8	Dr. V.G.Miskin	9730776565	vgmiskin@rediffmail.com	
9	Prof.(Mrs.)M.S.Dani	9373914656	danimamta@gmail.com	
10	Dr. P.B.Bahatkar	9764996482	pbahatkar@yahoo.com	
11	Dr. Arti Ghogre	9730251942	arti_ghogre@rediffmail.com	absent
12	Dr.Malabika Adak	8793435532	malabikaadak@yahoo.co.in	
13	Mr.Asfar Siddiqui	9372256901	asfar1811@gmail.com	
14	Mr.D.P.Bawane	9423673952	dnyanesh02@gmail.com	
15	Mrs.Jaya Bikram	8087693695	jayabikram@gmail.com	
16	Mr.M.N.Dandale	9665167228	milinddandale@gmail.com	
17	Mr.A.J.Meshram	9766462758	akj.meshram@gmail.com	
18	Mr.N.A.Bhosale	9545865251	nabhosale16@gmail.com	



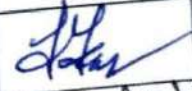
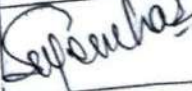
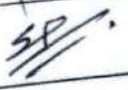
Humanities

21	Mrs.M.R.Kale	7875368199	m_mini83@yahoo.co.in	
22	Prof.Arvinde Kour Mehta	9158886500	arvinderkour@yahoo.com	absent
23	Vishakha Bhandarkar	9765620401	vishakhabhandarkar@gmail.com	
24	Mr.A.D.Gedam	9960960273	akash_dgedam@rediffmail.com	
25	Prof. Preeti Gokhale	9960055564	preety.gokhale@gmail.com	
26	Prof. Nanada Thakre	9890508884	nandathakre@gmail.com	

Physics

	Dr.J.R.Ghulghule	9850379975	jayant.ghulghule@rediffmail.com	
27	Dr.S.A.Band	8275397068	band_sa@yahoo.com	Absent
28	Dr.Mrs.S.A.Fadanvis	9890181989	safadnavis@gmail.com	Absent
29	Mrs. S.S. Kolte	9423632985	Sulbhask60@gmail.com	Absent
30	Dr.Mrs.H.V. Ganvir	9011099089	hrwasnik@gmail.com	
31	Mrs. Mahalle	9604589538	mb.mahalley@yahoo.com	Absent

Chemistry

32	Dr.Mrs.J.V.Miskin	9595896431	jvmiskin@rediffmail.com	
33	Dr.A.B.Bhake	9423054092	avinash_bhake@yahoo.com	Absent
34	Dr.Mrs.R.A.Patil	9975452914	ranpati@rediffmail.com	
35	Dr.Mrs.N.M.Limaye	9764381937	limayeneelima@rediffmail.com	
36	Dr.P.T.Kosankar	9970934326	tukasut@rediffmail.com	
37	Prof. Shruti Gomkale	9890179521	shruti.gomkale@gmail.com	
38	Prof.S.S.Panditkar	8600516121	panditkar.sanju@gmail.com	



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Board of General engineering

Agenda: 18th Board of Studies Meeting

Saturday January 12th , 2019 , Time : 11.00 a.m.

Item No. 18.01

Welcome of new members

Item No.18.02

Confirmation of minutes of previous Meeting and action taken report on decisions/suggestions of the previous meeting

Item No. 18.03

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2014) of the Undergraduate and Post graduate programs conducted under the Board.

Item No18.04

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2014 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Item No.18.05

To discuss and suggest the changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

Item No. 18.06

To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under-Graduate and Post Graduate programs.

Item No. 18.07

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board.

Item No.18.08

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.

Item No.18.09

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will be examined in End Semester Examination of Even Term 2018-19

Item No. 18.10

To prepare and propose the list of question paper setters and evaluators for all the Postgraduate Courses under the Board that will be examined in End Semester Examination of Even term 2018-19

Item No.18.11

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels that will be examined in End Semester Examination Even Term 2018-19.

Item No. 18.12

Preparation of Electronic question Bank for UG courses

To review solutions to all questions of Electronic Question Banks for all courses of V SEM

Item No.18.13

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses.

Item No.18.14

To prepare & propose group of minor courses and honor courses to be offered.

Item No.18.15

To discuss feedback on Teaching Learning Process from students, it's process, method, inferences from its analysis, etc. and propose the changes, if any.

Item No. 18.16:

To discuss completion feedback from faculties to be submitted to head-department of Applied Physics, Applied Chemistry and Applied Mathematics and Humanities.

Item No.18.17

Any other matter with the permission of the Chair.

Manjusha

Dr. Manjusha P. Gandhi,
Chairperson BoS in GE ,

Malabika

Dr. Malabika Adak
Member secretary, BoS in GE



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Board of Studies (General Engineering)


Minutes of 18th BoS Meeting in General Engineering


The 18th BOS meeting of General Engineering board was held on Saturday, 12th January 2019 in Science building, room no-Sc- 303 at 11a.m. The meeting was carried out in the absences of Dr. Vivek Nanoti, Dr.S.S.Bagchi, Dr. J.R Ghulghule, Dr.J.V.Miskin, Mrs. M. B. Mahalle, Dr.A.B.Bhake. The minutes of meeting are as follows:

Item No	Detail
18.01	The meeting begins with the welcome of new expert Dr. L. J. Paliwal, VC Nominee, RTMNU, Nagpur.
18.02	Minutes of previous meeting were confirmed.
18.03	<p>The issue regarding Mid semester examination were discussed. The Mid semester examination to be conducted three times in a semester and best two will be considered.</p> <p>Many members have opposed it, because exam and valuation work will increase and less focus will be there for teaching.</p> <p>Dr.A.J.Meshram has emphasized that GATE exam is very important for engineering students. So MSE-3 to be conducted as per GATE exam pattern. So that student can get acquainted for competitive exams right from first year.</p>
18.04	Syllabi content for various subjects are kept as it is by the members of BOS.
18.05	The list of books / Reference Books/ Literature Sources specified in the syllabi of all courses is carried forward.
18.06	<ul style="list-style-type: none">• The sincere thought was given by the members on list of experiments for UG courses in Physics and Chemistry and finally it continued with the previous one.• Dr. Paliwal has suggested for 3 hrs practical for Physics, Chemistry Labs.• Dr. Paliwal also suggested that some lectures / orientation programs on how to handle instruments safely, are required for students.
18.07	Dr. Kosankar has emphasized to maintain confidentiality of the name of evaluator on ESE Mark list which is displayed on notice board.
18.08	Some MOOC courses like Artificial Intelligent, Deep learning, Machine learning are suggested by Dr. A. P. Sargaokar.

18.09	HoDs have proposed the list of question paper setters, moderators and evaluators, under the Board that will be for UG courses for Even Semester Examination 2018-19.
18.10	HoDs have proposed the list of question paper setters, moderators and evaluators, under the Board that will be for PG courses of Even Semester Examination 2018-19.
18.11	HoDs have proposed the panel of internal and external examiners for the various laboratory courses at UG levels for Even Semester Examination 2018-19.
18.12	Revision of E- Question Bank is suggested by the members.
18.13	The BOS members have suggested to continue with the existing evaluation process of theory and other courses.
18.14	Dr. M. P. Gandhi has discussed about the minor courses and honor courses to be offered. The following minor courses of Management and Economics are suggested- Entrepreneurship development, production and operation management, corporate finance/ accounting for management, market research, corporate governance and social responsibility of business .
18.15	Dr. Paliwal has suggested that Scope(depth) of syllabus should be prepared.
18.16	Course Completion feedback from faculties are submitted to head-departments of Applied Physics, Applied Chemistry and Applied Mathematics and Humanities.
18.17	Communication Skill development activity Debate competition should be continued as previous years

Meeting ends with vote of thanks.


Dr. Manjusha P. Gandhi,
Chairperson BoS in GE ,

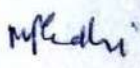





Dr. Malabika Adak
Member secretary, BoS in GE

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Board of General engineering
18th Board of Studies Meeting

Saturday 12th January 2019 , Time : 11.00 a.m.

The following members are present in 18th Board of Studies Meeting in General engineering board.

Sr. No	Name	Mobile No	E-mail	Signature
1	Dr.(Mrs.)M.P.Gandhi Chairman	9421780188	manjusha_g2@rediffmail.com	
2	Dr. Malabika Adak, Member Secretary	8793435532	malabikaadak@yahoo.co.in	
3	Prof. L. J. Paliwal (VC nominee)	9822564859	ljpaliwal@yahoo.co.uk	
4	Dr. Vivek Nanoti , Principal, PIET, Nagpur Expert Academician	9822233286	viveknanoti@gmail.com	
5	Dr. (Mrs.)A.P. Sargaonkar, Principal Scientist, NEERI, Nagpur Expert Academician	9326733667	ap_sargaonkar@neeri.res.in	 12.1.19
6	Dr. S.S. Bagchi Dy. General Manager Reliance Power, Butibori, Nagpur Expert from Industry	9423416889/ 9372933666	surjyotibagchi@relianceada.com ssbagchi@rediffmail.com	Absent

Mathematics				
7	Dr. V.G.Miskin	9730776565	vgmiskin@rediffmail.com	
8	Prof.(Mrs.)M.S.Dani	9373914656	danimamta@gmail.com	
9	Dr. P.B.Bahatkar	9764996482	pbahatkar@yahoo.com	
10	Dr. Arti Ghogre	9730251942	arti_ghogre@rediffmail.com	
11	Dr.Malabika Adak	8793435532	malabikaadak@yahoo.co.in	
12	Mr.Asfar Siddiqui	9372256901	asfar1811@gmail.com	
13	Mr.D.P.Bawane	9423673952	dnyanesh02@gmail.com	
14	Mrs.Jaya Bikram	8087693695	jayabikram@gmail.com	
15	Mr.M.N.Dandale	9665167228	milinddandale@gmail.com	
16	Mr.A.J.Meshram	9766462758	akj.meshram@gmail.com	
17	Mr.N.A.Bhosale	9545865251	nabhosale16@gmail.com	
Humanities				
18	Mrs.M.R.Kale	7875368199	m_mini83@yahoo.co.in	
19	Prof.Arvinder Kour Mehta	9158886500	arvinderkour@yahoo.com	
20	Vishakha Bhandarkar	9765620401	vishakhabhandarkar@gmail.com	
21	Dr. Mr.A.D.Gedam	9960960273	akash_dgedam@rediffmail.com	
22	Prof. Preeti Gokhale	9960055564	preety.gokhale@gmail.com	
	Prof. Nandda Thakre	9890508884	nandathakre@gmail.com	

Physics

23	Dr.J.R.Ghulghule	9850379975	jayant.ghulghule@rediffmail.com	Absent
24	Dr.S.A.Band	8275397068	band_sa@yahoo.com	<i>[Signature]</i>
25	Dr.Mrs.S.A.Fadanvis	9890181989	safadnavis@gmail.com	Absent
26	Mrs. S.S. Kolte	9423632985	Sulbhask60@gmail.com	<i>[Signature]</i>
27	Dr.Mrs.H.V. Ganvir	9011099089	hrwasnik@gmail.com	<i>[Signature]</i>
28	Mrs. Mahalle <i>Mr. Nikhil Somkule</i>	9604589538	mb.mahalley@yahoo.com	<i>[Signature]</i>

Chemistry

30	Dr.Mrs.J.V.Miskin	9595896431	jvmiskin@rediffmail.com	Absent
31	Dr.A.B.Bhake	9423054092	avinash_bhake@yahoo.com	Absent
32	Dr.P.T.Kosankar	9970934326	tukasut@rediffmail.com	<i>[Signature]</i>
33	Prof. Shruti Gomkale	9890179521	shruti.gomkale@gmail.com	<i>[Signature]</i>
34	Prof.S.S.Panditkar	8600516121	panditkar.sanju@gmail.com	<i>[Signature]</i> 12/1/15



PRINCIPAL
Yeshwant Chavan
College of Engineering
Wanadongri, Hingna Road
NAGPUR - 441110