

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

Summary

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

- Minutes of Academic Council / BOS meetings
- Details of program syllabus revision



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

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Minutes of 29th meeting of Academic Council held on

Saturday the 25th February, 2023

The 29th meeting of Academic Council was held on **Saturday** the **25th February, 2023** at 11.00 am in the Board Room of YCCE, Nagpur. The following members attended the meeting.

1	Dr. U.P. Waghe, Principal & Chairman	14	Dr. Mrs. M.A. Adak, HoD Mathematics and Humanities
2	Prof. Dr. N.C. Sivaprakash IISc., Bangalore	15	Dr. Mrs. H.V. Ganvir, HoD Physics
3	Dr.P.D. Pachpor Professor, Deptt. of Civil Engineering, SRCOEM, Ramdeo Tekdi, Gittikhadan, Nagpur	16	Dr. Mrs. P.U. Waghe, HoD, Chemistry
4	Shri Amol Deshpande, Sr. Manager - HR, Mahindra & Mahindra Ltd., Mumbai	17	Dr. S.V. Prayagi, Registrar, YCCE
5	Dr. S.P. Raut HoD, Civil Engineering	18	Dr. Arvind Bhagatpatil, Dean (P D)
6	Dr. J.P. Giri HoD, Mechanical Engineering	19	Prof. D.R. Raut, CoE, YCCE,
7	Dr. S.G. Kadwane, HoD , Electrical Engineering	20	Dr. Ms. U.H. Gawande, Dean (R&D)
8	Dr. Pravin Zode, Asstt. HoD Electronics Engineering	21	Dr. Mrs. G.M. Dhopavkar Dean (T&P)
9	Dr. M.S. Narlawar, HoD, Electronics & Telecommunication Engineering	22	Prof. Aniket P. Munshi, Dean (SA)
10	Dr. Lalit Damahe HoD CSE	23	Dr. Manali Kshirsagar, Director Technical & Advisor, YCCE
11	Dr. Mrs. R.D. Wajgi, HoD Computer Technology	24	Dr. S.S. Choudhary, Dean OBE
12	Dr. R.C. Dharmik, HoD, Information Technology	25	Mr. Niraj Wakhare, TPO, YCCE, Nagpur
13	Dr. Mrs. Manjusha P. Gandhi, Chairman, BoS GE & FYC	26	Dr. Mrs. S.V. Rathkantiwar, Dean (IRO), YCCE, Nagpur.
		27	Dr. A.V. Patil, Dean (Acad. Mat.) & Member Secretary



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Leave of Absence granted to			
1	Dr. S.A. Dhale. Principal, Priyadarshini College of Engineering, Digdoh Hills, CRPF Hills, Nagpur	3	Shri Swapnil Shukla, Senior Talent Partner (APAC Region) GitHub (Microsoft), Hyderabad.
2	Dr. Sanjay Kelo Principal, Nararjuna Insitute of Engineering, & Technology & Management, Satnavari, Amravati Road, Nagpur	4	Shri Urvish Pandey Lead - Campus Recruitment & University Relations, Mastercard India, Pune-M.S.

Item 29.01: Welcome of new members

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

Item 29.02 To confirm the Minutes of 28th Meeting of the Academic Council

The Academic Council unanimously approved the minutes of 28th meeting of Academic Council held on 27th August, 2022.

The Academic Council also unanimously approved the ATR of 28th meeting of Academic Council.

Item 29.03 To discuss and approve the suggestions of Board of Studies for changes in Schemes of Examination and course contents of Autonomous 2018 / 2020 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 2018/2020" scheme are as below :-

- ❖ **The minor changes in the course contents suggested by the BoS for UG/PG programmes**

Branch	SoE	Sem	Course Code & Name
--------	-----	-----	--------------------



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Civil Engg.	2020	7	CV2401- Estimating & Costing (The sequence of the units in syllabus need to change.) 1. Building estimate should be shifted and added in Unit II from unit V. 2. Unit IV Earthwork should be shifted in unit III. 3. Specifications & rate analysis of Unit II should be added unit IV. 4. Tender Conditions of Contract should be added in Unit V. 5. Valuation from Unit III should be shifted to Unit VI,
	2020	7	CV2434 PE -V Advanced Steel Design Gantry Girder should be added in Unit II (Moment resistant Connection should be deleted from unit II)
Electrical Engg.	2020	6	PEI: Grid Integration of Renewable Energy
	2020	6	PEI: Switched Mode Power Supply
	2020	7	PEII: Micro Grid
	2020	7	PEIII: Converters and Configurations of Renewable Energy Systems
	2020	7	PEIII: Distributed Generation in power System
	2020	7	PEIV: Industrial Safety
Electronic & Telecom. Engg.	2020	6	ET2254 - Analog Communication Remove the topics TV Fundamentals and digital satellite television.
	2020	7	ET 2443- PE VI: Microwave Integrated circuits Split unit 2 in two units and merge unit 5 and unit 6 to make one unit
Computer Technology	2020	7	Syllabus of Advanced Data Structures, DBMS, Web Technology, Computer Architecture and Organization, Computer Network should be revised
Information Technology	2020	6	<ul style="list-style-type: none"> • Machine Learning course shift to 6th semester as core course • Principles of Artificial Intelligence course shift to 7th semester
	2020		Introduction to Data Science Add topics on Analysis of Variance (ANOVA) Explanation, Formula, and Application. Case Study based on Exploratory Data Analytics
Computer Science & Engg.	2020	4	AIML2256– Design Analysis and Algorithms 4 Credits can be given
	2020	6	CSE2553: Compiler 4 credits can be given
	2020	6	Make Internet of things and Web Technology Courses to be Industry Aligned Take Offline Classes/ labs for Industry aligned course -Mobile Operating system
General Engg.	2022	1	Reshuffling of units is required in course “Differential Equation and Complex Analysis” in SoE 2022.



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

Branch	SoE	Course Code & Name
Computer Science & Engg.	2020	V CSE & IV CSE(AIML) CSE2302/AIML2259- Lab: Database Management System ("SQL & PL / SQL for Oracle 11g Black Book" as a Reference book) VI - CSE2365-Lab:Neural Network and Application -Add Reference book for Practical- "Deep learning with python" by Francois Chollet

❖ **The changes in the laboratory Courses suggested by the BoS as below**

Branch	SoE	Course Code & Name
Electronic Engg.	2020	EE2402 Digital system design lab.
ETC	2020	ET 2255- lab Analog Communication
Computer Technology	2020	Add one Practical on Protocol Design (SNMP) in Computer Network
Computer Science & Engg.	2020	V - CSE2302– Lab: Database Management Systems IV - AIML2259- Database Management System • Add Practicals based on Multiple Queries VI - CSE2551:Computer Network • Minor Changes in Practical List VI- CSE2361-Lab: PE-II Digital Image Processing • Implement 1-2 Practicals in Python • Add practicals based on applications on CCTV data VI-CSE2363-Lab: Internet Of Things • Add practicals on creating Sensors based applications like gas sensors, ph sensors ,etc.

❖ **Following new courses/MOOCs courses are suggested by BoS for students for the session 2023-24.**

Branch	CourseName
Civil Engg.	Professional Elective -II offered through Coursera, "Construction Management "conducted by Columbia University, US, to first 20 bright students of VI semester.
Electrical Engg.	Professional Elective I: Programming in C for beginners (6 th Semester) to be added was suggested by Mr. B. S. Sudame



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A.C. approved changes in course contents and changes in the text/reference books, laboratory and MOOC Courses for the courses mentioned above. These changes will be incorporated with immediate effect.

Item 29.04 To discuss and approve the outcomes of Feedback & result analysis suggested by BoS and ATR

The Academic Council suggested that the CO/PO attainment shall be presented in BoS meeting and discussed in A.C. meeting in a specific format as provided by Dean (OBE) at the end of academic year. Subject to following corrections Academic council approved the outcomes of Feedback & result analysis suggested by BoS and its ATR.

- The Academic Council suggested to increase the value of minimum acceptable feedback of faculty from 60% to 65%.
- Include the feedback of Industry in the BoS MoM
- The T&P department should collect the feedback of employer at the time of placement and handover to respective department.
- Academic council suggested that follow the uniform format to represent the faculty feedback.
- Academic council suggested to change the nomenclature of AI and Machine learning related courses in the respective BoS as we have the course elements of AIML at first year level.

Item 29.05 To discuss and approve the Scheme of Examination Autonomous 2022 scheme for UG and PG Programs

DAM presented 1st to Final year SoE 2022 and sample syllabus of First semester to Fourth semester to Academic Council.

Academic Council approved Scheme of Examination 2022 (SoE 2022) as proposed and discussed and started being implemented w.e.f. A.Y. 2022-23 onwards for first to Final year UG and PG programmes.



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Item 29.06 To discuss and finalize the changes, if any, in Academic Regulations

Following agenda points were put up by Academic Council for approval.

- 1) Withdrawal of Summer Term
- 2) Detention policy of YCCE
- 3) Final Semester Project of M Tech (Extension)
- 4) Modification of Scheme of Evaluation of YCCE w.e.f. AY 2022-23
- 5) Special Mentoring Scheme & Make Up Examination for detained students.

Academic Council unanimously approved the changes of Academic Regulations & Principal Direction.

Item 29.07 To discuss and approve the report of Controller of Examinations for Odd Term 2022-23 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 and accepted.

The Academic Council approved the report of Controller of Examinations for Odd Term 2022-23

Item 29.08 To discuss and approve the changes, if any, in Examination Manual.

There were some changes in examination manual & the principal directions shall be added to examination manual as appendices.

The Academic Council approved the changes in examination manual & the principal directions.

Item 29.09 To discuss and approve the report of Dean (Academic Matters) for Odd Term 2022-23.

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

The Academic Council approved the report of the Dean (Academic Matters) for the Odd Term of 2022-23.



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Item 29.10 To discuss and approve the report of Research Centre Activities for Odd Term 2022-23.

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

- The Academic Council suggested to add the title of the Ph.D. along with the researchers information.
- Research report should follow the nomenclature which is easily understandable to all A.C. members.
- Policy No. 27 : Inhouse funding scheme-policy of financial assistance for innovative experimental setup development
- Policy No. 28 : Inhouse funding scheme- policy of financial assistance for innovative minor patentable product development
- Policy No. 29 : Inhouse funding scheme - policy of financial assistance to innovative UG / PG project

The Academic Council approved the report & policies of the Dean (R&D) for the Odd Term of 2022-23.

Item 29.11 To discuss and approve the report of the Training and Placement Cell for Odd Term 2022-23.

The report of the Training and Placement cell was put before the members. The report of Training and Placement cell for Odd Term 2022-23 was discussed by the Academic Council

- The Academic Council suggested the placement value in T&P report should be presented against the total number of students.

The Academic Council approved the report of Training and Placement Cell for the Odd Term of 2022-23.



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Item 29.12 To discuss new UG/PG programme for A.Y. 2023-24 and certificate courses for the A.Y. 2023-24

Following courses for YCCE students were proposed for AY 2023-24 and put before academic council,

1. Closure of programme

1. M.Tech in Computer Science & Engg.

2. M.Tech in CAD/CAM

RTMNU Expert Committee visited YCCE for verification for the proposal of closure of PG Prog. CAD/CAM & CSE and they have issued NOC for change in nomenclature of the above PG Programmes from A.Y. 2023-24

2. Proposal for change in Nomenclature in following P.G.-M.Tech. programmes from academic session 2023-24 :-

?

SN	Existing Nomenclature	New Nomenclature
01	M.Tech.-CAD/CAM	M.Tech.-Automation & Robotics
02	M.Tech.-Computer Science & Engineering	M.Tech.-Data Sciences

3. Reduction / Increase in intake

Sr.No.	Name of UG Programme	Current Intake	New Intake from 2023-24
1.	Computer Technology	120	60
2.	Computer Science & Engg.	120	180

4. Proposal to start new UG/PG programme w.e.f. from academic session 2023-24 :-

SN	Title of the new Programme	Type UG/PG	Duration
01	M.B.A.	PG	2 years

5. Approval to new SWYAM NPTEL Courses for Credit transfer as per NEP 20 towards EXPERIENTIAL LEARNING, VOCATIONAL EDUCATION & SKILLING



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As per the guidelines of University Grants Commission and NEP 20, Introduction of Courses Based on Indian Heritage and Culture, Universal Human Values, Vedic Mathematics, Yoga, Ayurveda, Sanskrit, Indian Languages, Music, and Classical Dance, etc. has been envisaged. Thus, YCCE is attempting for provision for integration of vocational education & skilling, into academic education. Accordingly following courses have been proposed for the students who currently are in I and II Year. The students if successfully complete these courses, would get the credits transferred from the window of Open Electives at their III Year Level.

Category	Sr. No.	Name of Course	Link of the Course	Duration	Credits
YOGA	1	Yoga for Concentration	https://onlinecourses.swayam2.ac.in/aic23_ge05/preview	16 weeks	04
	2	Yoga for Memory Development	https://onlinecourses.swayam2.ac.in/aic23_ge06/preview	16 weeks	04
	3	Yoga for Voice Culture	https://swayam.gov.in/explorer?searchText=Yoga+for+Voice+Culture	16 weeks	04
	4	Yoga for Creativity	https://onlinecourses.swayam2.ac.in/aic23_ge09/preview	16 weeks	04
	5	Yoga and Positive Psychology for Managing Career and Life	https://onlinecourses.nptel.ac.in/noc23_hs74/preview	8 weeks	02
Music	1	Appreciating Hindustani Music	https://onlinecourses.nptel.ac.in/noc23_hs59/preview	8 weeks	02
Psychology	1	The Science of Happiness and Wellbeing	https://onlinecourses.nptel.ac.in/noc23_hs06/preview	8 weeks	02
	2	Language and Mind	https://onlinecourses.nptel.ac.in/noc23_hs24/preview	8 weeks	02
	3	Bilingualism: A cognitive and psycholinguistic perspective	https://onlinecourses.nptel.ac.in/noc23_hs66/preview	8 weeks	02
Intellectual Property Right	1	Introduction to Intellectual Property	https://onlinecourses.swayam2.ac.in/aic21_ge20/preview	12 weeks	03
	2	IP Management & Technology Transfer	https://onlinecourses.nptel.ac.in/noc23_lw01/preview	8 weeks	02
Ethics	1	Towards an Ethical Digital Society: From Theory to Practice	https://onlinecourses.nptel.ac.in/noc23_hs47/preview	4 weeks	01
	2	Ethics In Engineering Practice	https://onlinecourses.nptel.ac.in/noc23_mg41/preview	8 weeks	02
Technical	1	Basics of Remote sensing, GIS & GNSS technology and their applications	https://onlinecourses.swayam2.ac.in/aic22_ge16/preview	15 weeks	03
	2	Exploring Survey Data on Health Care	https://onlinecourses.nptel.ac.in/noc23_hs67/preview	8 weeks	02



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Academic Council approved the changes in nomenclature of M.Tech courses, reduction of intake & new SWYAM NPTEL courses proposed for credit transfer A.Y. 2023-24. Academic council authorized Chairman Dr. U.P. Waghe to take necessary steps to get the approval & complete other formularies in view of starting MBA programme in YCCE w.e.f. AY 23-24.

Item 29.13 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: 28th February, 2023

(Dr. A.V. Patil)
Dean (Academic Matters)

Civil Engineering



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DEPARTMENT OF CIVIL ENGINEERING

NOTICE {BoS}

Date:- 5th August 2022

Meeting No 30 of Board of Studies of Civil Engineering Department is scheduled on **Thursday, 11th August 2022 at 11:00 am 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. 30.01

Welcome of new members

Item No. 30.02

Installation of member Secretary

Item No. 30.03

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

Item No. 30.04

To discuss and suggest the action taken on

- Co/Po attainment of subjects taught in previous semester
- Result analysis of subjects taught in previous semester
- Stake holders' feedback on review and design of curriculum
- In Sem, End Sem and Exit feedback on Teaching Lear & curriculum

Item No. 30.05

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2020) of the Undergraduate and Post graduate programs conducted under the Board.

To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year .

Item No. 30.06

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech.2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Item No. 30.07

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. 30.08

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

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DEPARTMENT OF CIVIL ENGINEERING

Item No. 30.09

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

Item No. 30.10

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

Item No. 30.11

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 2022-23.

Item No. 30.12

To prepare and propose the panel of paper setters, Moderators and Valuers for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Odd Term 2022-23.

Item No. 30.13

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 2022-23.

Item No. 30.14

Preparation of Electronic question Bank UG courses according to SoE 2018
To review solutions to all questions of Electronic Question Banks for all courses

Item No. 30.15


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

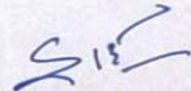
Item No. 30.16

To discuss and propose scheme for Minor an Honor course and its syllabus.
To Discuss and propose Certificate courses and value-added courses in 2022-23.

Item No. 30.17

Any other matter with the permission of the Chair.


Prof. Ms. Charuta S. Waghmare
BoS Member Secretary
Department of Civil Engineering


Dr.S.P.Raut
Head and Chairman
Department of Civil Engineering

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DEPARTMENT OF CIVIL ENGINEERING

NOTICE {BoS}

Date:- 5th August 2022

30th Meeting of Board of Studies(Thursday 11/08/2022)

BoS Members

S.N.	Name	Signature	S.N.	Name	Signature
1	Dr. Udaykumar P. Waghe	----	20	Ms. Sangita Shivcharan Meshram	
2	Dr. Santanu Ramkrishna Khandeshwar		21	Dr. Prashant Baban Pande	
3	Dr. Sudhir Vasantrao Ambekar		22	Mr. Atul Sambhuji Kurzekar	
4	Dr. Abhay Vinayakrao Patil		23	Mr. Vivek Dnyandeo Jayale	
5	Dr. Vilas Ganuji Meshram		24	Mr. Harshal Madhukar Warade	
6	Dr. Ajay Ramdas Gajbhiye		25	Ms. Pallavi Shaligram Chakole	
7	Dr. Rajendra Rupraoji Dighade		26	Ms. Snehal Karunkumar Kamble	
8	Mr.Devendra Rajram Raut		27	Mr. Sanket Gajanan Kalamkar	
9	Mr. Bhupesh Purshottam Nandurkar		29	Mr. Sagar Wasudeo Dhengare	
10	Dr. Ms. Madhuri S. Bhagat		29	Ms. Monali Rewashankar Wagh	
11	Dr. Sanjay Padmakar Raut		30	Mr. Yogesh Prabhakar Kherde	
12	Mrs. Vaishali Nilesh Mendhe		31	Ms. Sneha Gowardhan Hirekhan	
13	Ms. Charuta Subhash Waghmare		32	Mr. Rajesh Madhukar Bhagat	
14	Mr. Khalid Shamim Ansari		33	Dr. Mrs. Boskey V. Bahoria	
15	Mr. Harshal Ramesh Rao Nikhade		34	Mr. Anukhsh Naresh Asati	
16	Mr. Jayant Manohar Raut		35	Mr. Uday Singh Patil	
17	Mr. Dhiraj Giridharilal Agrawal				
18	Mr. Pawan Kesharao Hinge				
19	Ms. Amruta Arun Yadav				

BoS Experts

Name	Signature	Name	Signature	Name	Signature
Dr.A.D.Ghare		Dr. M.Madurwar		Dr.M.D.Goel	
Er.Jagdish Lanjewar		Prof.S.N.Harinkhede			



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DEPARTMENT OF CIVIL ENGINEERING

**ATTENDANCE
{BoS}**

Date:- 11th August 2022

30th Meeting of Board of Studies

BoS Members

S.N.	Name	Signature	S.N.	Name	Signature
1	Dr. Udaykumar P. Waghe	-----	20	Ms. Sangita Shivcharan Meshram	
2	Dr. Santanu Ramkrishna Khandeshwar		21	Dr. Prashant Baban Pande	
3	Dr. Sudhir Vasanttrao Ambekar		22	Mr. Atul Sambhuji Kurzekar	
4	Dr. Abhay Vinayakrao Patil		23	Mr. Vivek Dnyandeo Jayale	
5	Dr. Vilas Ganuji Meshram		24	Mr. Harshal Madhukar Warade	
6	Dr. Ajay Ramdas Gajbhiye		25	Ms. Pallavi Shalikram Chakole	
7	Dr. Rajendra Rupraoji Dighade		26	Ms. Snehal Karunkumar Kamble	
8	Mr. Devendra Rajram Raut	-	27	Mr. Sanket Gajanan Kalamkar	
9	Mr. Bhupesh Purshottam Nandurkar		29	Mr. Sagar Wasudeo Dhengare	
10	Dr. Ms. Madhuri S. Bhagat		29	Ms. Monali Rewashankar Wagh	
11	Dr. Sanjay Padmakar Raut		30	Mr. Yogesh Prabhakar Kherde	
12	Mrs. Vaishali Nilesh Mendhe		31	Ms. Sneha Gowardhan Hirekhan	
13	Ms. Charuta Subhash Waghmare		32	Mr. Rajesh Madhukar Bhagat	
14	Mr. Khalid Shamim Ansari		33	Dr. Mrs. Boskey V. Bahoria	
15	Mr. Harshal Ramesh Rao Nikhade		34	Mr. Anukhsh Naresh Asati	
16	Mr. Jayant Manohar Raut		35	Mr. Uday Singh Patil	
17	Mr. Dhiraj Giridharilal Agrawal				
18	Mr. Pawan Kesharao Hinge				
19	Ms. Amruta Arun Yadav				

BoS Experts

Name	Signature	Name	Signature	Name	Signature
Dr. A.D. Ghare	 11.8.2022	Dr. M. Madurwar		Dr. M.D. Goel	 11/08/2022
Er. Jagdish Lanjewar		Prof. S.N. Harinkhede			



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Minutes of 30th BoS Meeting dated on Thursday 11th August 2022

30th Meeting of BoS of Civil Engineering was held on Thursday 11th August 2022.

It was chaired by Dr.S.P.Raut, Chairman BoS. Following members were present.

S.N.	Name	S.N.	Name
1	Dr.A.D.Ghare	20	Mr. Dhiraj Giridharilal Agrawal
2	Dr.M.V.Madurwar	21	Mr. Pawan Kesharao Hinge
3	Dr.M.D.Goel	22	Ms. Amruta Arun Yadav
4	Prof.S.N.Harinkhede	23	Ms. Sangita Shivcharan Meshram
5	Dr. Udaykumar P. Waghe	24	Dr. Prashant Baban Pande
6	Dr. Sudhir Vasantao Ambekar	25	Mr. Atul Sambhuji Kurzekar
7	Dr. Abhay Vinayakrao Patil	26	Mr. Vivek Dnyandeo Jayale
8	Dr. Vilas Ganuji Meshram	27	Mr. Harshal Madhukar Warade
9	Dr. Ajay Ramdas Gajbhiye	29	Ms. Pallavi Shalikram Chakole
10	Dr. Rajendra Rupraoji Dighade	29	Ms. Snehal Karunkumar Kamble
11	Mr.Devendra Rajram Raut	30	Mr. Sanket Gajanan Kalamkar
12	Mr. Bhupesh Purshottam Nandurkar	31	Mr. Sagar Wasudeo Dhengare
13	Dr. Ms. Madhuri S. Bhagat	32	Mr. Yogesh Prabhakar Kherde
14	Dr. Sanjay Padmakar Raut	33	Ms. Sneha Gowardhan Hirekhan
15	Mrs. Vaishali Nilesh Mendhe	34	Mr. Rajesh Madhukar Bhagat
16	Ms. Charuta Subhash Waghmare	35	Dr. Mrs. Boskey V. Bahoria
17	Mr. Khalid Shamim Ansari	36	Mr. Anuksh Naresh Asati
18	Mr. Harshal Rameshrao Nikhade	37	Mr. Uday Singh Patil
19	Mr. Jayant Manohar Raut		

Following members has been permitted leave of absence

1.Dr. Shantanu Ramkrishna Khandeshwar

2. Ms. Monali Rewashankar Wagh

3.Er. Jagdish Lanjewar



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DEPARTMENT OF CIVIL ENGINEERING

Minutes of Meetings 30th BoS Meeting

Agenda No. 30.01

Welcome of new members

Dr S. P. Raut welcomed all BoS experts viz., Dr. A. D. Ghare Professor, Department of Civil Engineering, VNIT, Nagpur, Dr. M. V. Madurwar, Associate Professor, Department of Civil Engineering, VNIT, Nagpur, Dr. M. D. Goel, Associate Professor, Department of Applied Mechanics, VNIT, Nagpur, Prof. S. N. Harinkhede, Alumni and Assistant Professor, SBJITMR, Nagpur. Departmental BoS members has also been welcomed by the Chairman.

Agenda No. 30.02

Installation of member Secretary

It has been decided to retain Ms. Charuta S. Waghmare as Member secretary BoS for the session 2022-23.

Agenda No. 30.03

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

The minutes of previous meeting no.29 held on Saturday 8th January 2022 were already circulated to all members. The ATR of previous meeting have been discussed with BoS members. (Annexure 1). After confirmation, Chairman asked to accept the minutes of meeting. Dr. Madhuri Bhagat accepted the minutes. Prof. Sangita Meshram seconded it. The minutes were then accepted.

Agenda No. 30.04

To discuss and suggest the action taken on -

- Co/Po attainment of subjects taught in previous semester.

The complete process of CO/PO attainment has been discussed with the BoS Experts. The experts appreciated and approved the process of attainment. On the basis of direct and indirect assessment, it is observed that all PO's and PSO's meet the attainment expectations. Therefore, no action is requiring to be taken. However, efforts will be taken to maintain this attainment in future.

1.(REMAEKS ARE NEEDED ALONGWITH ACTION TAKEN)

Sr. No.	Sem	Course Name	Course Code	Exam	CO number	Co Attainment %	Action taken/ Suggested
1	IV	Advanced Mathematical Techniques	GE2204	MSE 1	GE2204.1	39.11	Revision lecture were conducted
					GE2204.3	15.11	Revision lecture were conducted
				MSE 2	GE2204.2	32.89	Practice questions along with answers were shared.
					GE2204.3	57.78	Practice questions along with answers were shared.



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					GE2204.4	58.22	Practice questions along with answers were shared.
				ESE	GE2204.1	58.82	Extra assignment and practice paper will be taken to satisfy the attainment in the academic session 2022-23.
					GE2204.3	31.36	Extra assignment and practice paper will be taken to satisfy the attainment in the academic session 2022-23.
2	IV	Concrete Technology	CV2251	MSE 1	--	--	--
				MSE 2	CV2251.4	55	Extra lecture has conducted on topic admixture after MSE 2 Exam
				ESE	--	--	Attainment percentage is increased in ESE
3	IV	Structural Analysis	CV2255		CV2255.1	46.82	Remedial classes were engaged by faculty of all section.
				MSE 1	CV2255.2	46.82	Remedial classes were engaged by faculty of all section.
					CV2255.3	46.82	Remedial classes were engaged by faculty of all section.
				MSE 2	CV2255.1	57.62	Assignment is given to students for more practice after MSE 2 Exam.
					CV2255.2	57.62	Assignment is given to students for more practice after MSE 2 Exam.
					CV2255.3	57.62	Assignment is given to students for more practice after MSE 2 Exam.
				ESE	--	--	Attainment percentage is increased in ESE.
4	V	Advanced Structural Analysis	CV2302	MSE 1	--	--	--
				MSE 2	--	--	--
				ESE	CV2302.2	53.46	The concept will be explained with more numerical to satisfy the attainment in the academic session 2022-23.



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					CV2302.4	57.47	The concept will be explained with more numerical to satisfy the attainment in the academic session 2022-23.
5	V	OE1- Introduction to environmental management	CV2333	MSE 1	CV2302.1	50	Explained through process of EIA with case study.
				MSE 2	CV2302.2	53.49	Explained the concept of Sustainable Development with regard to resource management after MSE 2 Exam.
				ESE	--	--	Attainment percentage is increased in ESE.
6	V	Introduction to finite element method	CV2342	MSE 1	CV2342.2	42.51	More practice problems given to students
					CV2342.2	42.51	More practice problems given to students
				MSE 2	--	--	--
				ESE	--	--	Attainment percentage is increased in ESE.
7	VI	Water Transmission and distribution system	CV2369	MSE 1	--	--	--
				MSE 2	--	--	--
				ESE	CV2369.1	57.29	More extra lecture and assignment will be taken on CO 1 in the academic session 2022-23.
					CV2369.4	57.83	More extra lecture and assignment will be taken on CO 1 in the academic session 2022-23
8	VI	Steel Structure	CV2351	MSE 1	CV2351.1	59.89	Student given assignment on syllabus in MSE 1 they have submitted the assignment before MSE2.
					CV2351.2	45.76	Student given assignment on syllabus in MSE 1 they have submitted the assignment before MSE2
					CV2351.3	45.76	Student given assignment on syllabus in MSE 1 they have submitted the assignment before MSE2
					CV2351.4	45.76	Student given



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							assignment on syllabus in MSE 1 they have submitted the assignment before MSE2
				MSE2	--	--	--
				ESE			Attainment percentage is increased in ESE.
9	VI	Hydraulic Engineering	CV2353	MSE 1	CV2353.1	57.86	Extra class was taken to discuss the questions on this topic
				MSE 2	CV2353.2	46.40	Extra class was taken to discuss the questions on this topic
				ESE	--	--	Attainment percentage is increased in ESE.
10	VI	Construction management and machinery	CV2363	MSE1	CV2363.1	58.69	Assignment given
					CV2363.1	43.87	Assignment given
				MSE2	--	--	--
				ESE	--	--	Attainment percentage is increased in ESE.
11	VI	PEII- Earthquake Engineering	CV2364	MSE 1	--	--	--
				MSE 2	--	--	--
				ESE	CV2364.3	46.15	It will be explained through NPTEL videos in the academic session 2022-23.
					CV2364.4	50	The concept will be explained by showing the videos for the past earthquake history in the academic session 2022-23.
12	VI	PEII- Introduction to Remote Sensing	CV2366	MSE 1	CV2366.1	40.70	Explained complete principle of geoinformatics with videos available.
				MSE 2	CV2366.1	21.19	Explained Principal with the help of NPTEL videos.
					CV2366.2	27.44	Explained elements of geoinformatics with the help of NPTEL videos.
					CV2366.3	33.33	The process of digital image processing through internet and NPTEL videos.
					CV2366.4	8.71	Explained from NPTEL videos.
				ESE	CV2366.3	56.82	The concepts will be explained with the help of hands on practice with software in the



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							academic session 2022-23.
13	VI	PEII- Traffic Engineering	CV2368	MSE 1	--	--	--
				MSE 2	--	--	--
				ESE	CV2368.4	50	More theoretical concepts will be explained and numerical will be solved in the academic session 2022-23.
14	VI	OEIII- Introduction to environmental management	CV2373	MSE 1	--	--	--
				MSE 2	--	--	--
				ESE	CV2373.1	50.57	Case study related to tools will be going to elaborate in the academic session 2022-23.
					CV2373.2	52.34	More focus will be given on environmental clearance in the academic session 2022-23.
					CV2373.4	35.48	More focus will be given on a live case study to understand better in the academic session 2022-23.
		CV2373.5	44.12	More focus will be given on sustainable development issues and resource management in the academic session 2022-23.			
15	VI	OE4- Introduction to FEM	CV2382	MSE1	CV2382.1	33.33	More focus is given by conducting Extra classes on low attainment of particular CO.
					CV2382.2	46.03	More focus is given by conducting Extra classes on low attainment of particular CO.
					CV2382.3	57.85	More focus is given by conducting Extra classes on low attainment of particular CO.
				MSE 2	--	--	--
				ESE	--	--	Attainment percentage is increased in ESE.
16	VI	Fundamentals of Economics	GE2312	MSE1	GE2312.2	13.136	In subsequent three lectures more Emphasis has been given on various market structure and factors of



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							production and its role in production process
				MSE2	GE2312.1	38.55	Assignments has been given to improve related knowledge
					GE2312.3	53.39	In subsequent theory lectures more info size has been given on national income accounting and various issues related to banking taxation and inflation
					GE2312.4	55.50	Assignment has been given to improve related knowledge.
				ESE	GE2312.1	52.99	More emphasis will be given buyers behavior and product and pricing in the academic session 2022-23.
					GE2312.2	32.05	More emphasis will be given on planning process in the academic session 2022-23.
					GE2312.3	46.58	More emphasis will be given on national income accounting and the various issues related to banking taxation and inflation in the academic session 2022-23.
17	VII	Estimating and Costing	CV2401	MSE 1	--	--	--
				MSE 2	--	--	--
				ESE	CV2401.4	50.00	Extra lectures will be given to this unit in the academic session 2022-23.
18	VII	Advanced Steel Design	CV2434	MSE 1	--	--	--
				MSE 2	CV2434.1	00	Students given assignment on syllabus in MSE 2 they have submitted the segment before ESE exam
				ESE	--	--	Attainment percentage is increased in ESE.
19	VII	Energy conversion and management	CV2415	MSE1	--	--	--
				MSE2	--	--	--
				ESE	CV2415.2	30.56	CO2 is mostly applicable for contained in unit 1 and unit 2 extra lectures will be given to unit



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							these units in next academic year 2022-23. More number of quizzes will be allotted to concerned topics related to CO2.
--	--	--	--	--	--	--	--

2. Program level Course-PO matrix of all courses including first year courses
Program Articulation Matrix: All courses including first year courses.
(Semester 1 to Semester 8)



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Name of Program: Department of Civil Engineering

ode	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3
CV2101	3	2.8	--	--	--	--	--	2	2	2	2	--	--	--	--
CV2102	3	3	2.5	3	--	--	--	2	1	1	1	--	--	--	--
CV2201	3	2.5	2.5	3	--	--	--	1	2	2	2	--	--	--	--
CV2202	3	--	--	3	--	--	--	1	1	1	1	--	--	2	--
CV2203	2.75	2.25	2.5	2.25	--	--	--	1	1	1	1	--	--	2	--
CV2204	2.75	2.25	2.5	2.25	--	--	--	1	1	1	1	--	--	2	--
CV2205	2.75	2.25	2	-	-	-	-	1	1	1	1	-	-	-	-
CV2206	2.5	2	2.25	2.75	-	-	-	1	1	1	1	-	-	-	-
CV2207	3	--	2	--	--	2	1.75	1	1	1	1	1	1	--	--
CV2208	2	1	--	1	1	--	--	1	1	1	1	--	--	--	--
GE2201	2	2	2	--	--	--	--	--	--	--	--	--	--	--	--
CV2251	3	--	3	--	--	--	2	1	1	1	1	2	2	--	--
CV2252	3	--	--	2	2	--	--	--	--	--	--	--	--	--	--
CV2253	2	1.5	--	--	1	--	--	--	1	1	1	--	--	--	--
CV2254	2	1.5	--	--	1	--	--	--	1	1	1	--	--	--	--
CV2255	3	3	--	2	--	--	--	1	2	1	1	--	--	2	--
CV2256	3	3	--	2	--	--	--	1	2	1	1	--	--	2	--
CV2257	3	3	2.33	2	--	--	--	1	1	1	1	--	--	--	--
CV2258	1.5	2	--	--	--	--	--	1	1	1	1	--	--	--	--
GE2204	2	2	2	--	--	--	--	--	--	--	--	--	--	--	--
CV2301	3	2.33	2.33	--	--	--	--	2.5	1	1.5	--	2.25	2.5	--	--
CV2302	3	3	--	3	--	--	--	1	2	1	1	2	2	--	--
CV2303	3	3	--	3	3	--	--	1	2	1	1	2	2	--	--
CV2311	--	1.5	--	--	2	--	--	--	1	1	1	--	--	--	--
CV2312	2.25	1.5	--	--	2	--	--	--	1	1	1	--	--	--	--
CV2313	3	2.33	2	--	2	--	--	2	1	1	1	--	--	--	--
CV2314	3	2.33	2	--	2	--	--	2	1	1	1	--	--	--	--
CV2317	3	3	--	3	3	--	--	1	2	1	1	--	--	2	--
CV2318	3	3	--	3	--	--	--	1	2	1	1	2	2	--	--
CV2319	3	--	3	--	--	--	2	1	1	1	1	2	2	--	--
CV2320	3	--	--	2	2	--	--	--	--	--	--	--	--	--	--
CV2321	2.67	--	2.33	--	--	--	1.5	--	--	--	--	--	--	--	--
CV2322	2.67	--	2.33	--	--	--	1.5	--	--	--	--	--	--	--	--
CV2331	3	--	--	--	--	2	2	2	2	2	2	2	2	--	--
CV2332	2	--	--	--	2	--	2	1	1	1	1	2	2	--	--
CV2333	--	--	--	--	--	2.5	3	2.5	1	1.5	--	2.25	--	--	--



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CV2341	2.75	--	--	--	2	2	1	1	1	1	--	--	--	--	--	--	--	--
CV2342	--	2.5	--	2	--	--	1	1	1	1	--	--	2	--	--	--	--	--
CV2343	2.25	--	2	2	--	2	1	1	1	1	--	--	--	--	--	3	--	--
CV2351	3	2.5	3	3	--	--	3	2	2	2	--	--	1.50	--	--	--	--	3.0
CV2352	1.25	--	--	--	--	--	--	--	--	1.75	--	--	--	--	--	--	--	--
CV2353	2.75	2.33	2	2	--	--	1	1	1	1	--	--	--	--	--	--	--	--
CV2354	2.5	2.5	2.25	2.25	2.25	2.25	1	1	1	1	--	--	--	--	--	2	--	--
CV2355	3	3	2	2	--	--	1	1	1	1	--	--	--	--	--	--	--	--
CV2361	3	--	--	--	--	2	2	2	2	2	--	--	2	--	--	2	--	--
CV2362	3.0	--	--	--	--	2.33	--	--	--	--	2.33	--	--	--	--	--	--	--
CV2363	2.3	--	--	--	--	2.3	2	2	2	2.75	3	3	2.75	--	--	3	--	--
CV2364	2.25	2.25	2.33	2.33	--	--	3	1	1	1	--	--	2	--	--	2	--	--
CV2366	2.25	2	--	--	--	2.25	--	--	--	2	--	--	2	--	--	2	--	--
CV2368	2.5	2.33	2.33	2.33	--	1.5	2	2	2	2.5	--	--	2	--	--	2	--	--
CV2369	2.25	2.25	2.66	2.66	--	--	1	1	1	1	--	--	2	--	--	2	--	--
CV2371	3	--	--	--	--	2	2	2	2	2	--	--	2	--	--	2	--	--
CV2372	2	--	--	--	--	2	1	1	1	1	--	--	1	--	--	2	--	--
CV2373	--	--	--	--	--	2.5	2.5	2	2	1.5	--	--	2.25	--	--	2.25	--	--
CV2381	2.75	--	--	--	--	2	1	1	1	1	--	--	1	--	--	2	--	--
CV2382	--	2.5	2	2	--	--	1	1	1	1	--	--	2	--	--	2	--	--
CV2383	2.25	--	2	2	--	--	1	1	1	1	--	--	2.4	--	--	2.4	--	2
CV2401	2.4	2.5	--	--	--	--	2	2	2	2	--	--	2.25	--	--	2.25	--	2
CV2402	2.25	2.33	--	--	--	--	2	2	2	2	--	--	--	--	--	--	--	--
CV2403	3	2.75	2	2	--	2.25	1.25	1	1	1	--	--	1	--	--	--	--	--
CV2404	2.75	2	2.5	2.5	--	--	--	--	--	1	--	--	--	--	--	--	--	--
CV2411	3	2.25	2.33	2.33	--	2	2	2	2	2	--	--	2.5	--	--	2.5	--	2.5
CV2412	2.5	2.5	3	3	--	--	2	2	2	1	--	--	1.5	--	--	1.5	--	--
CV2415	2	--	--	--	--	3	1.75	1.25	1.5	1.5	--	--	2	--	--	2	--	--
CV2416	2.66	2.66	3	3	2.33	--	1.66	1	1	1	--	--	1	--	--	1	--	2
CV2418	2.5	2	--	--	--	--	1	1	1	1	--	--	1	--	--	1	--	--
CV2419	2.5	2.5	2	2	--	--	1	1	1	1	--	--	1	--	--	1	--	--
CV2422	2.25	3	--	--	--	--	--	--	--	1	--	--	1	--	--	1	--	--
CV2423	2.25	2.25	2	2	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--
CV2425	--	--	--	--	--	3	3	3	3	1.75	--	--	2.5	--	--	2.5	--	--
CV2426	3	2	2	2	1.5	--	2	2	2	1	--	--	2	--	--	2	--	--
CV2428	3	2	2.25	2.25	--	--	2	2	2	2	--	--	--	--	--	--	--	--
CV2429	2	--	--	--	--	2	1	1	1	1.33	--	--	1.33	--	--	1.33	--	--
CV2431	1.5	--	--	--	--	2.25	2.75	2	2	1.5	--	--	3	--	--	3	--	--
CV2432	--	1.5	--	--	--	1.75	2	1.75	2	1.75	3	3	2.5	--	--	2.5	--	--



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CV2434	3	2.5	3	--	--	--	--	3	2	2	2	2	--	--	3	--	--	--
CV2435	3	3	2	--	--	--	--	2	2	2.67	2.67	2	--	--	--	--	--	--
CV2438	2	1.5	2	--	--	--	1.25	1	1	1	1	1	--	--	--	--	--	--
CV2439	3	2.5	1.5	--	--	--	1	1	1	1	1	1.9	--	--	2.3	2.0	2.0	2.1
CV2440	2.9	2.4	2.5	1.9	2.0	0.7	1.0	2.4	2.6	2.67	2.33	2	1.9	2	--	2	--	--
CV2409	2.66	2.5	2.25	3	1.67	--	--	--	2.67	2.33	2	2	2	2	--	2	--	--
CV2410	2.75	2.5	--	--	2	--	--	2	2	2	2	2	1.9	2	1.1	2.0	2.1	--
CV2451	2.9	2.4	2.5	1.9	2.0	0.7	1.0	2.4	2.6	2.6	2.2	2	1.9	2	1.1	2.0	2.1	--
CV2452	--	--	--	--	--	2.5	2.45	2.75	2.5	2.5	2.5	2.5	--	--	2.75	--	--	--

3. Evaluation of each PO & PSO

	P01	P02	P03	P04	P05	P06	P07	P08	P09	P010	P011	P012	PSO-1	PSO-2	PSO-3
Direct Attainment	2.45	2.44	2.40	2.52	2.50	2.59	2.47	1.64	1.64	1.65	2.40	2.49	2.42	1.61	2.47
In Direct Attainment	2.62	2.70	2.59	2.63	2.62	2.57	2.61	1.81	1.80	1.74	2.54	2.75	2.25	1.51	2.29
(80 % Direct + 20% Indirect) Total Attainment	2.49	2.49	2.44	2.54	2.53	2.58	2.50	1.67	1.67	1.66	2.43	2.54	2.39	1.59	2.43



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- **Result analysis of subjects taught in previous semester. (Annexure 3)**
The overall and subject wise result analysis of Even Term 2021-22 has been shown to the BoS Experts. Experts appreciated the efforts taken by the faculty for such good results.

S.N.	Semester	Pass %
1	IV	86.82
2	VI	82.30
3	VIII	100.00

As the results of all the semesters are above 80%, no action is requiring to be taken.

- **Stake holders' feedback on review and design of curriculum**

S.N.	Stakeholder	Feedback	Action Taken
1.	Parent	Subject related to new techniques in construction should be added	In new SoE 22-23, courses such as Project Planning Management, Construction Techniques etc. has been added as core instead of professional electives.
2	Alumni	1. More Site/ industrial visit should be arranged.	As per curriculum site visit is only for VI sem students but from the session 2022-23 at least one site visit will be arranged for remaining sem.
		2. Industry based courses should be run.	1.From 2021-22, Structural Engineering Practices is running as PE-V for VII semester students. 2. Industry aligned course PE- IV Advanced Foundation Engineering will be offered from session 22-23 in VII semester
		3. Teach software which industry has demanded	3. Started with HIT-office -The ERP software for Construction for VII semester.
3	Student	1.Courses including current practices and innovative application should be started.	1.Coursera course "Mastering Bitumen for better Roads and Innovative Application" is started in 5 th Semester with 3 credits for theory and 1 credit for laboratory from AY 2022-23
		2. Advanced and trending tools, techniques and methods should be included in syllabus to get specialized in particular stream or area.	2.Lab. Course on BIM is incorporated in SOE-2022 for the 6 th semester. Value added course on BIM is conducted every year.
4	Faculty	CV 2351 Steel Structures :Need to delete a topic Built-up Beams from Unit 5	Will be incorporated in the said syllabus.



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- In Sem, End Sem and Exit feedback on Teaching Lear & curriculum.
All feedback has been discussed with BoS Experts.

Sem	No. of faculty with feedback more than 90%		No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%	
	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem
IV	14/15	14/15	01/15	01/15	-	-
	93.33%	93.33%	6.67%	6.67%	-	-
VI	14/19	11/19	04/19	08/19	01/19	-
	73.68%	57.89%	21.05%	42.10%	5.26%	-

As feedback on teaching learning is above 60%, BoS experts appreciated and asked to maintain the same.

Agenda No. 30.05

1.To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2020) 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 for SoE Autonomous 2018 of the Undergraduate and of Post graduate programs.

2.To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year .

10th Curriculum Development workshop was conducted on Tuesday 19th July 2022 for validation of SoE 22 and all syllabi of B.Tech and M.Tech I & II year . Validation of the syllabus was carried out as per thrust area of curriculum by experts of various domain. The SoE and syllabi of all courses has been approved and validated after thorough discussions.

Agenda No. 30.06

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech.2020 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 2018 Schemes of Undergraduate and Post graduate programs. The following proposal has been forwarded:

1.Industry aligned Elective: From session Odd 2022-23, PE-IV CV2426 Advanced Foundation Engineering will be offered as Industry aligned elective for VII semester. The syllabus of the said course is framed by BoS member Dr.P.B.Pande in collaboration with Er. Sanjay Wankhede, Director,GeoSystems Research and Consultant Pvt. Ltd.,Nagpur.

2.New Professional Elective: It has been decided to offer CV 2323 PE-I Environmental Management as PE-I for V semester students.

3. CV 2351 Steel Structures : Need to delete a topic Built-up Beams from Unit 5-The suggestion will be incorporated in the syllabus.



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4. SoE 2022-23

10th Curriculum Development workshop was conducted on Tuesday 19th July 2022 for validation of SoE 22 and all syllabi of B.Tech and M.Tech I & II year. Validation of the syllabus was carried out as per thrust area of curriculum by experts of various domain. The SoE and syllabi of all courses has been approved and validated after thorough discussions.

The following changes are carried out for SoE 2022-23 having 160 credit.

S.N.	Semester	Course Name	Remark
1	I semester Group A	Engineering Mechanics (T+P)	-
2	I semester Group B	Strength of Materials (T+P)	Branch Specific Course is added.
3	III Semester	Application of Python Programming in Civil Engineering	As per NEP 2020, bridge courses are identified and added in the SoE 2022-23.
4	IV Semester	Quantity, Estimation and Management	
5	V Semester	Engineering Hydrology	In SoE 2018-19, the said subject was merged with Water Resources Engineering. From the feedback of students and alumni, it is again introduced in SoE 2022-23 as a core course.
6	VI Semester	Building Information Modelling	To cope up with the current scenario of the industry, laboratory course is introduced.
7	VII Semester	Project Planning and Quality Assurance	The subject is introduced to make the students industry ready in the field of construction management.

The BoS experts approved to run the said elective courses from current session and asked to incorporate the modification in the syllabus of Steel Structures.

Agenda No. 30.07

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 corrections and amendments were proposed by any members in the laboratory courses of Under-Graduate and Post Graduate programs



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Agenda No. 30.08

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 Autonomous 2018 Schemes of Undergraduate and Post graduate programs of Undergraduate and Post graduate programs.

No corrections and amendments were proposed by any members in the laboratory courses of Under-Graduate and Post Graduate programs

Agenda No. 30.09

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.

No suggestions were proposed by any members.

Finally, it was unanimously resolved that the existing Academic Regulations governing the Undergraduate and Post graduate programs be continued without any corrections

Agenda No. 30.10

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

1.As per the directives from DAM Office, it is decided to offer one NPTEL course in each semester. Accordingly, NPTEL courses and its syllabus available on the website are mapped with the syllabus of courses running in the department. It has been decided to offer Fluid Mechanics of IIT Guwahati conducted by Dr. Subhashisa Dutta for III semester students.

2.For the academic session Odd 2022-23, it has been decided to allot professional elective offered through Coursera for V semester students. For this, "Mastering Bitumen for Better Roads and Innovative Applications" conducted by "École Des Ponts ParisTech", University in Paris, France will be offered as Professional Elective -I(PE-I) for first 20 bright students considering their consent for the course. The course consists of 4 modules. The students have to complete laboratory course also assigned to (PE-I). After successful completion of each module and laboratory work, student will receive certificate which have to submit for the grade allotment.

Agenda No. 30.11

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 2022-23

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 2022-23 will be decided after the notification received from CoE.



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Agenda No. 30.12

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 2022-23.

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 2022-23 will be decided after the notification received from CoE.

Agenda No. 30.13

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 2022-23.

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 2022-23 will be decided after the notification received from CoE.

Agenda No. 30.14

Preparation of Electronic question Bank UG courses according to SoE 2018.

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

Electronic question Bank of UG courses for all semester has been prepared. Solutions to all questions of Electronic Question Banks for all courses are in process.

Agenda No. 30.15

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

No suggestions were proposed by any members.

Finally, it was unanimously resolved that the existing Evaluation Process for theory and other courses be continued without any corrections.

Agenda No. 30.16

To discuss and propose scheme for Minor and Honor course and its syllabus.

1. B.Tech. Honor Program in Earthquake Engineering has been proposed in 10th Curriculum Development workshop dated on Tuesday 19th July 2022. The SoE and syllabi of all courses under this program has been validated by CDW Experts.

2. From the session Odd 2022-23, department will offer B.Tech. Honor Program in Remote Sensing and GIS in collaboration with Ceinsys Tech.Ltd.Nagpur. Total 19 students of V semester have enrolled for the program. The program will be commencing from August 22,2022.

3. B.Tech.Honor Program in Construction Technology- Total 3 courses viz., Advanced Concrete Technology (IIT Madras), Principles of Construction Management (IIT Kanpur) and Project Planning and Control(IIT Madras) has been registered by the students under this program .



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2. From the session Odd 2022-23, department will offer B.Tech. Honor Program in Remote Sensing and GIS in collaboration with Ceinsys Tech.Ltd.Nagpur. Total 19 students of V semester have enrolled for the program. The program will be commencing from August 22,2022.
3. B.Tech.Honor Program in Construction Technology- Total 3 courses viz., Advanced Concrete Technology (IIT Madras),Principles of Construction Management (IIT Kanpur) and Project Planning and Control(IIT Madras). has been registered by the students under this program .

To Discuss and propose Certificate courses and value-added courses in 2022-23.

Following Value added courses will be conducted

S.N.	Name	Semester	Date of conduction (Tentative)
1	Introduction to BIM 360	V	September 2022
2	Extended Period Simulation using Water GEMS	V	October 2022
3	Analysis and Design components using STAAD	V	October 2022
4	Building modelling and Design using ETAB	VII	November 2022
5	2D Max Modelling by AutoCAD	III	December 2022
6	Hands -on HIT Office Construction ERP	VII	October 2022

Agenda No. 30.17

Any other matter with the permission of the Chair.

From the session Odd 2022-23, laboratory course of Estimating and Costing will be conducted through HIT-office -The ERP software for Construction for VII semester students.

All suggestions have been welcomed and forwarded for further submission to Academic Council.
The meeting ended with thank to chair.

Prof. Ms. Charuta S. Waghmare
BoS Member Secretary
Department of Civil Engineering

Dr.S.P.Raut
Head and Chairman
Department of Civil Engineering



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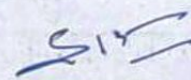
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ANNEXURE 1

Action Taken Report on 29th BoS dated on Saturday 8th January 2022

S.N.	Feedback	Action Taken/Remarks
1	Dr.Boskey Bahoria suggested corrections in CV2435 PE-V : Design Of Bridge Structures of VII semester as 1.Stability analysis of Abutments & Piers added in Unit IV 2. Design of bridge bearings added in Unit V.	The changes incorporated in the syllabus.
2.	Prof.K.S.Ansari suggested to add Introduction to Life Cycle Assessment in unit V of CV2333 OE-I Introduction to Environmental Management	The changes incorporated in the syllabus
3.	Dr.R.R.Dighade suggested few corrections to CV2354 Lab : Hydraulic Engineering: 1. Experiment No.13 Study of performance of centrifugal pump and Experiment No.14 Study of performance of Pelton wheel to be removed. 2. Experiment No.10 Sketch the various standard profiles in open channels flow and Experiment No.11 Sketch the various profiles in open channels flow by considering break in grade to be added in the syllabus.	The changes incorporated in the syllabus
4.	Construction Management conducted by Columbia University; US is offered through Coursera platform as professional elective -II for VI semester first 20 bright students.	All students successfully completed the said course and are allotted with A+ grade.
5.	Students registered for Honor Construction Technology (NPTEL platform)	All registered students successfully completed the courses
6.	Value added courses for the students	Department has conducted various value-added courses.


Prof. Ms. Charuta S. Waghmare
BoS Member Secretary
Department of Civil Engineering


Dr.S.P.Raut
Head and Chairman
Department of Civil Engineering



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DEPARTMENT OF CIVIL ENGINEERING

NOTICE {BoS}

Date:- 31st January 2023

Meeting No 31 of Board of Studies of Civil Engineering Department is scheduled on Friday, 3rd February, 2023 at 2:00 pm 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

Agenda No.. 31.01

Welcome of new members

Agenda No.. 31.02

Installation of member Secretary

Agenda No.. 31.03

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

Agenda No.. 31.04

To discuss and suggest the action taken on

- Co/Po attainment of subjects taught in previous semester
- Result analysis of subjects taught in previous semester
- Stake holders' feedback on review and design of curriculum
- In Sem, End Sem and Exit feedback on Teaching Lear & curriculum

Agenda No.. 31.05

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous SoE 2020 & 2022) of the Undergraduate and Post graduate programs conducted under the Board.

To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year .

Agenda No.. 31.06

To discuss and suggest the minor changes in the syllabi of various courses in B.Tech.2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Agenda No.. 31.07

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.

Agenda No.. 31.08

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



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Agenda No.. 31.09

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

Agenda No.. 31.10

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

Agenda No.. 31.11

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 2022-23.

Agenda No.. 31.12

To prepare and propose the panel of paper setters and Valuers for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Even Term 2022-23.

Agenda No.. 31.13

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 2022-23.

Agenda No.. 31.14

Preparation of Electronic question Bank UG courses according to B. Tech. SoE 2020 & 2022.
To review solutions to all questions of Electronic Question Banks for all courses

Agenda No.. 31.15

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

Agenda No.. 31.16

To discuss and propose scheme for Minor and Honor course and its syllabus.

To Discuss and propose Certificate courses and value-added courses in Even term 2022-23.

Agenda No.. 31.17

Any other matter with the permission of the Chair.

Prof. Ms. Charuta S. Waghmare
BoS Member Secretary
Department of Civil Engineering

Dr.S.P.Raut
Head and Chairman
Department of Civil Engineering



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NOTICE {BoS}

Date:- 31st January 2023

Meeting No 31 of Board of Studies of Civil Engineering Department is scheduled on Friday, 3rd February, 2023 at 2:00 pm in Departmental Library. All staff members are requested to attend the meeting.

S.N.	Name	Signature	S.N.	Name	Signature
1	Dr. Udaykumar P. Waghe	-	18	Ms. Amruta Arun Yadav	
2	Dr. Shantanu Ramkrishna Khandeshwar		19	Ms. Sangita Shivcharan Meshram	
3	Dr. Sudhir Vasantrao Ambekar		20	Mr. Prashant Baban Pande	
4	Dr. Abhay Vinayakrao Patil	-	21	Mr. Atul Sambhuji Kurzekar	
5	Dr. Vilas Ganuji Meshram		22	Mr. Vivek Dnyandeo Jayale	
6	Dr. Ajay Ramdas Gajbhiye		23	Mr. Harshal Madhukar Warade	
7	Dr. Rajendra Rupraoji Dighade		24	Ms. Pallavi Shalikram Chakole	
8	Mr. Bhupesh Purshottam Nandurkar		25	Ms. Snehal Karunkumar Kamble	
9	Dr. Ms. Madhuri S. Bhagat		26	Mr. Sanket Gajanan Kalamkar	
10	Dr. Sanjay Padmakar Raut	-	31	Mr. Sagar Wasudeo Dhengare	
11	Mrs. Vaishali Nilesh Mendhe		28	Ms. Monali Rewashankar Wagh	
12	Ms. Charuta Subhash Waghmare		29	Mr. Yogesh Prabhakar Kherde	
13	Mr. Khalid Shamim Ansari		31	Ms. Sneha Gowardhan Hirekhan	
14	Mr. Harshal Ramesh Rao Nikhade		31	Mr. Rajesh Madhukar Bhagat	
15	Mr. Jayant Manohar Raut		32	Dr. Mrs. Boskey V. Bahoria	
16	Mr. Dhiraj Giridharilal Agrawal		33	Mr. Anuksh Naresh Asati	
17	Mr. Pawan Kesharao Hinge		34	Prof. Uday Singh Patil	

Name	Signature	Name	Signature	Name	Signature
Dr.A.D.Ghare	-	Dr. M.Madurwar		Dr.M.D.Goel	
Er.Jagdish Lanjewar	-	Prof.S.N.Harinkhede			



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NOTICE {BoS} Attendance Sheets

Date:- 03rd February 2023

Meeting No 31 of Board of Studies of Civil Engineering Department is scheduled on Friday 3rd February 2023 at 02:00 pm in Departmental Library. All staff members are requested to attend the meeting.

S.N.	Name	Signature	S.N.	Name	Signature
1	Dr. Udaykumar P. Waghe	-	18	Ms. Amruta Arun Yadav	
2	Dr. Shantanu Ramkrishna Khandeshwar		19	Ms. Sangita Shivcharan Meshram	
3	Dr. Sudhir Vasanttrao Ambekar		20	Mr. Prashant Baban Pande	
4	Dr. Abhay Vinayakrao Patil		21	Mr. Atul Sambhuji Kurzekar	
5	Dr. Vilas Ganuji Meshram		22	Mr. Vivek Dnyandeo Jayale	
6	Dr. Ajay Ramdas Gajbhiye		23	Mr. Harshal Madhukar Warade	
7	Dr. Rajendra Rupraoji Dighade		24	Ms. Pallavi Shalikram Chakole	
8	Mr. Bhupesh Purshottam Nandurkar		25	Ms. Snehal Karunkumar Kamble	
9	Dr. Ms. Madhuri S. Bhagat		26	Mr. Sanket Gajanan Kalamkar	
10	Dr. Sanjay Padmakar Raut		31	Mr. Sagar Wasudeo Dhengare	
11	Mrs. Vaishali Nilesh Mendhe		28	Ms. Monali Rewashankar Wagh	
12	Ms. Charuta Subhash Waghmare		29	Mr. Yogesh Prabhakar Kherde	
13	Mr. Khalid Shamim Ansari		31	Ms. Sneha Gowardhan Hirekhan	
14	Mr. Harshal Rameshrao Nikhade		31	Mr. Rajesh Madhukar Bhagat	
15	Mr. Jayant Manohar Raut		32	Dr. Mrs. Boskey V. Bahoria	
16	Mr. Dhiraj Giridharilal Agrawal		33	Mr. Anuksh Naresh Asati	
17	Mr. Pawan Kesharao Hinge		34	Prof. Uday Singh Patil	

Name	Signature	Name	Signature	Name	Signature
Dr. A.D. Ghare		Dr. M. Madurwar		Dr. M.D. Goel	
Er. Jagdish Lanjewar		Prof. S.N. Harinkhede			



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DEPARTMENT OF CIVIL ENGINEERING

Minutes of 31st BoS Meeting dated on Friday, 3rd, February, 2023

31st Meeting of BoS of Civil Engineering was held on Friday, 3rd, February, 2023. It was chaired by Dr.S.P.Raut, Chairman BoS. Following members were present.

S.N.	Name	S.N.	Name
1	Dr.M.V.Madurwar	20	Ms. Amruta Arun Yadav
2	Dr.M.D.Goel	21	Ms. Sangita Shivcharan Meshram
3	Prof.S.N.Harinkhede	22	Dr. Prashant Baban Pande
4	Dr. Udaykumar P. Waghe	23	Mr. Atul Sambhuji Kurzekar
5	Dr. Sudhir Vasantrao Ambekar	24	Mr. Vivek Dnyandeo Jayale
6	Dr. Abhay Vinayakrao Patil	25	Mr. Harshal Madhukar Warade
7	Dr. Ajay Ramdas Gajbhiye	26	Ms. Pallavi Shalikram Chakole
8	Dr. Rajendra Rupraoji Dighade	27	Ms. Snehal Karunkumar Kamble
9	Mr.Devendra Rajram Raut	29	Mr. Sanket Gajanan Kalamkar
10	Mr. Bhupesh Purshottam Nandurkar	29	Mr. Sagar Wasudeo Dhengare
11	Dr. Ms. Madhuri S. Bhagat	30	Mr. Yogesh Prabhakar Kherde
12	Dr. Sanjay Padmakar Raut	31	Ms. Sneha Gowardhan Hirekhan
13	Mrs. Vaishali Nilesh Mendhe	32	Mr. Rajesh Madhukar Bhagat
14	Ms. Charuta Subhash Waghmare	33	Dr. Mrs. Boskey V. Bahoria
15	Mr. Khalid Shamim Ansari	34	Mr. Anukhsh Naresh Asati
16	Mr. Harshal Rameshrao Nikhade	35	Mr. Uday Singh Patil
17	Mr. Jayant Manohar Raut		
18	Mr. Dhiraj Giridharilal Agrawal		
19	Mr. Pawan Kesharao Hinge		

Following members has been permitted leave of absence

1. Dr.A.D.Ghare
2. Er. Jagdish Lanjewar
3. Dr. Vilas Ganuji Meshram



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DEPARTMENT OF CIVIL ENGINEERING

Minutes of Meetings 31st BoS Meeting

Agenda No. 31.01

Welcome of new members

Dr S. P. Raut welcomed all BoS experts viz., Dr. M. V. Madurwar, Associate Professor, Department of Civil Engineering, VNIT, Nagpur, Dr. M. D. Goel, Associate Professor, Department of Applied Mechanics, VNIT, Nagpur, Prof. S. N. Harinkhede, Alumni and Assistant Professor, GHRIET, Nagpur. Departmental BoS members has also been welcomed by the Chairman.

Agenda No. 31.02

Installation of member Secretary

It has been decided to retain Ms. Charuta S. Waghmare as Member secretary BoS for the session 2022-23.

Agenda No. 31.03

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

The minutes of previous meeting no.30 held on Thursday 11th August 2022 were already circulated to all members. The ATR of previous meeting have been discussed with BoS members. After confirmation, Chairman asked to accept the minutes of meeting. Dr. Boskey Bahoria accepted the minutes. Prof. Monali Wagh seconded it. The minutes were then accepted.

Agenda No. 31.04

To discuss and suggest the action taken on

- Co/Po attainment of subjects taught in previous semester
The Co/Po attainment of courses of III,V and VII semester are in process .
- **Result analysis of subjects taught in previous semester**
The overall and subject wise result analysis of Odd Term 2022-23 (V and VII semester) has been shown to the BoS Experts. Experts appreciated the efforts taken by the faculty for such good results. ESE of III semester have been started from 1st February 2023.

S.N.	Semester	Pass %
1	III	Yet to published
2	V	73.21%
3	VII	84.19%

- Stake holders' feedback on review and design of curriculum

S.N.	Stakeholder	Feedback	Action taken
1	Parent	Subject related to new techniques in construction should be added.	1.Industry aligned courses namely Structural Engineering Practices and Advanced Foundation Engineering was offered for VII semester students. 2.Construction Management and Machinery has been offered as professional elective for VI semester students. 3.Courses such as Project Planning Management, Construction Techniques etc. has been added as core instead of professional electives in SoE 22-



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			23.
2	Students	More focus on Hands - on-training on Software .	As per the need of the current scenario, value added courses focussing on software knowledge, viz; STAADPRO, HIT OFFICE Construction management ERP, Primavera was conducted and courses like 3D Max, Revit will be executed for IV,VI semester students .
3	Alumni	Industry oriented software's and electives should be incorporated in the curriculum.	1.Value added courses focussing on the demand of industry has been planned for the current students. 2.In new SoE 22-23 Building Information Modelling has been added as a laboratory course. 3.Industry oriented professional electives has been offered to the students. 4.Industry collaborated Honor program 'Remote Sensing and GIS' has been offered for the V semester students.
4	Faculty	Curriculum is designed considering need of the era.	New SoE has been designed in such a manner so has to have more focus on courses required to make the students industry ready.

- In Sem, End Sem and Exit feedback on Teaching Lear & curriculum

Sem	No. of faculty with feedback more than 90%		No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%		No. of faculty with feedback less than 60%	
	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem
III	1/10 10.00	1/10 10.00	8/10 80.00	9/10 90.00	1/10 10.00	--	--	--
V	10/15 66.67	12/15 80.00	4/15 26.66	3/15 20.00	1/15 6.67	--	--	--
VII	26/29 89.66	25/29 86.20	3/29 10.34	3/29 10.34	--	1/29 3.45		

Agenda No. 31.05

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2020 & SoE 2022) of the Undergraduate and Post graduate programs conducted under the Board.

To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year .

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 for SoE Autonomous 2020 & SoE 2022 of the Undergraduate and of Post graduate programs.



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Agenda No. 31.06

To discuss and suggest the minor changes in the syllabi of various courses in B.Tech.2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

S.N.	Semester	Course Code and Name	Suggested Modifications	
			Contents Added	Contents Deleted
1	VII	CV2401 Estimating & Costing (The sequence of the units in syllabus need to change.)	1. Building estimate should be shifted and added in Unit II from unit V. 2. Unit IV Earthwork should be shifted in unit III. 3. Specifications & rate analysis of Unit II should be added unit IV. 4. Tender Conditions of Contract should be added in Unit V. 5. Valuation from Unit III should be shifted to Unit VI,	-
2	VII	CV2434 PE -V Advanced Steel Design	Gantry Girder should be added in Unit II	Moment resistant Connection should be deleted from unit II

Agenda No. 31.07

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 corrections and amendments were proposed by any members in the laboratory courses of Under-Graduate and Post Graduate programs

Agenda No. 31.08

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 of Undergraduate and Post graduate programs of Undergraduate and Post graduate programs. No corrections and amendments were proposed by any members in the laboratory courses of Under-Graduate and Post Graduate programs.

Agenda No. 31.09

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. No suggestions were proposed by any members. Finally, it was unanimously resolved that the existing Academic Regulations governing the Undergraduate and Post graduate programs be continued without any corrections.

Agenda No. 31.10

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

It has been decided to allot Professional Elective -II offered through Coursera, "Construction Management" conducted by Columbia University, US, to first 20 bright students of VI semester,



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Even term 2022-23. It will be offered after considering their consent for the course. The course consists of 4 modules. After successful completion of each module, student will receive certificate which have to submit for the grade allotment

Agenda No. 31.11

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 2022-23.

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 2022-23 will be decided after the notification received from CoE.

Agenda No. 31.12

To prepare and propose the panel of paper setters and Valuers for all the Postgraduate courses under the Board that will be examined in End Semester Examination of Even Term 2022-23.

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 2022-23 will be decided after the notification received from CoE.

Agenda No. 31.13

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 2022-23.

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 2022-23 will be decided after the notification received from CoE.

Agenda No. 31.14

Preparation of Electronic question Bank UG courses according to B.Tech. SoE 2020 & 2022. To review solutions to all questions of Electronic Question Banks for all courses.

Sr.No	Semester	Course Code	Title of the course	Type of course PC/PE	Remarks	
					EQB	Solution
1	III Sem.	CV2203	Geotechnical Engineering	PC	Yes	Yes
2	III Sem.	CV2201	Strength of Materials	PC	Yes	Yes
3	III Sem.	CV2205	Fluid Mechanics	PC	Yes	Yes
4	IV Sem.	CV2251	Concrete Technology	PC	Yes	Yes
5	IV Sem.	CV2253	Surveying	PC	Yes	Yes
6	IV Sem.	CV2257	Transportation Engineering	PC	Yes	Yes
7	V Sem.	CV2319	PE-I : Advanced Concrete	PE	Yes	Yes



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			Technology			
8	V Sem.	CV2302	Advanced Structural Analysis	PC	Yes	Yes
9	V Sem.	CV2311	PE-I : Advanced Surveying	PE	Yes	Yes
10	V Sem.	CV2313	PE-I : Computer Applications in Civil Engineering	PE	Yes	Yes
11	V Sem. & VI Sem.	CV2333	OE-I : Introduction to Environmental Management	PC	Yes	Yes
12	VI Sem.	CV2351	Steel Structures	PC	Yes	Yes
13	VI Sem.	CV2355	Foundation Engineering	PC	Yes	Yes
14	VII Sem.	CV2401	Estimating & Costing	PC	Yes	Yes
15	VII Sem.	CV2403	Wastewater Engineering	PC	Yes	Yes
16	VII Sem.	CV2404	Hydrology and Water Resources Engineering	PC	Yes	Yes
17	VII Sem.	CV2418	PE-III : Urban Transportation Planning	PE	Yes	Yes
18	VII Sem.	CV2435	PE-V : Design of Bridge Structures	PE	Yes	Yes

Agenda No. 31.15

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

No suggestions were proposed by any members. Finally, it was unanimously resolved that the existing Evaluation Process for theory and other courses be continued without any corrections.

Agenda No. 31.16

To discuss and propose scheme for Minor and Honor course and its syllabus.

1. Department have offered B.Tech.Honor Program (Remote sensing and GIS). The course has been in collaboration with Ceinsys Tech.Ltd.Nagpur. Mr.Ranjan Das, Manager GIS division was the key person. Total 19 students opted for this course.

2. BoS Experts suggested to offer Introduction to Non-destructive testing. as Minor Program from Civil Engineering Department.

To Discuss and propose Certificate courses and value-added courses in Even term 2022-23.



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DEPARTMENT OF CIVIL ENGINEERING

Status of certificate & value-added courses conducted by department in Odd AY 22-23

SN	Deptt.	Title of course	Sem	Course Hours	Mode of Training	Dates of conduction & total hours in course	No of Students attended the cert / vac	Remarks
1	Civil Engineering	Value-added course on "Highway Engineering Design by Civil 3D"	V	30	ONLINE	1,2,8,9,15 October 2022, 5 Days (30 Hrs)	90	
2	Civil Engineering	Value-added course on "Seismic Analysis & Design of G+5 RCC Building Using STAADPRO"	VII	30	ONLINE	18 September, 2, 16 October, 6,8 November 2022, 5 days (30 Hrs)	68	
3	Civil Engineering	Value-added course on "Transportation Design by MX Road"	V	30	ONLINE	1,2,8,9,15 October 2022, 5 Days (30 Hrs)	94	
4	Civil Engineering	Value Added Course on "HIT OFFICE Construction management ERP"	VII	30	ONLINE	17 Sept, 1, 8,15,22 October 2022, 5 Days, (30 Hrs)	74	
5	Civil Engineering	Value-added course on Primavera	VII	30	ONLINE	17 September 1 & 15 October, 5 & 12 November 2022 (30 Hrs)	69	
6	Civil Engineering	Value Added Course on Principles of Building using Auto-CAD	III	30	ONLINE + OFFLINE	24 December 2022, 7,8,20,21,22 January 2023 (30 Hrs)	85	

Planning of certificate & value added courses conducted by departments



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DEPARTMENT OF CIVIL ENGINEERING

In **EVEN** AY 22-23

SN	Deptt.	Title Of Course	Sem	Course Hours	Mode Of Training	Proposed Dates Of Conduction & Total Hours In Course	No Of Students Expected To Attend Cert / Vac	Remarks
1	Civil Engineering	Value Added Course on "Building Planning"	IV	30	Online + Offline	March 2023		
2	Civil Engineering	Value Added Course on "3D MAX Structure visualization"	IV	30	Online + Offline	March 2023		
3	Civil Engineering	Value Added Course on "Advanced Survey Road Design by MX Road Software"	VI	30	Online + Offline	February 2023		
4	Civil Engineering	Value Added Course on "Structure Modelling By Revit"	VI	30	Online + Offline	March 2023		
5	Civil Engineering	Value Added Course on "Project Planning and Estimation"	VI	30	Online + Offline	March 2023		
6	Civil Engineering	Value added course on "HIT Office Construction Management ERP"	VI	30	Online + Offline	March 2023		

Agenda No.. 31.17

Any other matter with the permission of the Chair.



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Agenda No. 31.17

Any other matter with the permission of the Chair.

All suggestions have been welcomed and forwarded for further submission to Academic Council.
The meeting ended with thank to chair.

Prof. Ms. Charuta S. Waghmare
BoS Member Secretary
Department of Civil Engineering

Dr.S.P.Raut
Head and Chairman
Department of Civil Engineering



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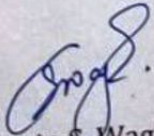
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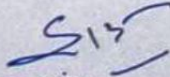
DEPARTMENT OF CIVIL ENGINEERING

ANNEXURE 1

Action Taken Report on 30th BoS dated on Thursday, 11th August 2022

S.N.	Feedback /Comments	Action Taken/Remarks
1	From session Odd 2022-23, PE-IV CV2426 Advanced Foundation Engineering will be offered as Industry aligned elective for VII semester. The syllabus of the said course is framed by BoS member Dr.P.B.Pande in collaboration with Er. Sanjay Wankhede, Director, GeoSystems Research and Consultant Pvt. Ltd., Nagpur	The said course has been offered as an industry aligned course from the current session.
2.	CV 2323 PE-I Environmental Management will be offered as PE-I for V semester students.	The said course has been offered as an PE-I for the students of V semester for session 22-23.
3.	In the 10 th CDW, new courses will be offered considering need of the industry and society.	Courses such as Engineering Hydrology, Building Information Modelling, Project Planning and Quality Assurance has been included in the new SoE 22-23.
4.	B.Tech.Honor Program in Earthquake Engineering has been proposed in 10 th Curriculum Development workshop to be offered for III year students.	SoE and syllabus of the said course has been approved by BoS experts and will be sent to Dean for further processing.
5.	B.Tech. Honor Program in Remote Sensing and GIS in collaboration with Ceinsys Tech.Ltd.Nagpur will be offered for III year students.	SoE and syllabus of the said course has been approved by BoS experts and will be sent to Dean for further processing.
6.	Value added courses for the students	Department has conducted various value-added courses.
7.	From odd 2022-23, laboratory course of Estimating and Costing will be conducted through HIT-office -The ERP software for Construction for VII semester students.	The said course has been conducted for the students of VII semester for session 22-23.


Prof. Ms. Charuta S. Waghmare
BoS Member Secretary
Department of Civil Engineering


Dr.S.P.Raut
Head and Chairman
Department of Civil Engineering

Mechanical Engineering

NOTICE

{BoS}

Date:- 10/02/2023

The **thirtieth meeting** of the Board of Studies in **Mechanical Engineering** is scheduled on **Friday 15th Feb 2023 at 11:00AM.**

The agenda for the meeting is as follows:

Item No. 30.01

Welcome of members

Item No. 30.02

Installation of member

Item No. 30.03

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

Item No. 30.04

To discuss and suggest the action taken on

- i) Co/Po attainment of subjects taught in previous semester
- ii) Result analysis of subjects taught in previous semester
- iii) Stake holders feedback on review and design of curriculum
- iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum

Item No. 30.05

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous B.Tech 2020 & SoE 2022) of the Undergraduate and Post graduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B.Tech / M.Tech I & II year Nagar Yuwak Shikshan Sanstha'Item

Item No. 30.06

To discuss and suggest the minor changes in the syllabi of various courses in B.Tech 2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Item No. 30.07

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. 30.08

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. 30.09

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

Item No. 30.10

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

Item No. 30.11

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/Even Term 2022-23 .

Item No. 30.12

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/Even Term 2022-23

Item No. 30.13

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/Even Term 2022-23.

Item No. 30.14

Preparation of Electronic question Bank UG courses according to B.Tech SoE 2020 & 2022 To review solutions to all questions of Electronic Question Banks for all courses

Item No. 30.15

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

Item No. 30.16

To discuss and propose scheme for Minor an Honor course and its syllabus. To Discuss and propose Certificate courses and value-added courses in Even Term 2022-23.

Item No. 30.17

Any other matter with the permission of the Chair.

Dr. J.P.Giri
Chairman
BoS in Mechanical Engineering

Prof. A.P. Edlabadkar
Member Secretary
BoS in Mechanical Engineering

NOTICE
{BoS}

Date:- 10/02/2023

30th Meeting of Board of Studies(Wednesday 15/02/2023)

BoS Members

Sr. No.	Name	Designation	Sign	Sr. No.	Name	Designation	Sign
1	Dr. J. P. Giri	Chairman, BOS		24	Dr. P. D. Kamble	Member	
2	Dr. Y. M. Puri	University Expert		25	Prof. R. V. Adakane	Member	
3	Dr. A. S. Dhobale	External Expert		26	Prof. D. N. Kashyap	Member	
4	Mr. Shree Jamdar	Industrial Expert		27	Prof. A. R. Narkhede	Member	
5	Mr. Irfan Makki	Meritorious Alumini		28	Prof. S. P. Kamble	Member	
6	Prof. V. M. Korde	Advisor, BOS		29	Prof. Y. Y. Nandurkar	Member	
7	Prof. A. P. Edlabadkar	Member Secretary		30	Prof. M. M. Dakhore	Member	
8	Dr. R. B. Chadge	Member		31	Prof. P. S. Barve	Member	
9	Prof. D. I. Sangotra	Member		32	Prof. N. D. Gedam	Member	
10	Prof. N. J. Giradkar	Member		33	Prof. C. A. Mahatme	Member	
11	Prof. A. S. Bonde	Member		34	Prof. G. M. Dhote	Member	
12	Dr. S. T. Bagde	Member		35	Dr. V. R. Khawale	Member	
13	Dr. S. S. Chaudhari	Member		36	Prof. P. A. Hatwalne	Member	
14	Prof. V. G. Thakre	Member		37	Dr. A. P. Kedar	Member	
15	Dr. S. R. Jachak	Member		38	Dr. S. V. Prayagi	Member	
16	Prof. M. S. Tufail	Member		39	Prof. N. R. Sunehria	Member	
17	Dr. S. P. Ambade	Member		40	Prof. P. V. Lande	Member	
18	Prof. P. N. Shende	Member		41	Prof. S. S. Nagpure	Member	
19	Prof. A. B. Amale	Member		42	Prof. N. P. Mungle	Member	
20	Prof. G. H. Waghmare	Member					
21	Prof. R. G. Bodkhe	Member					
22	Prof. D. Y. Shahare	Member					
23	Dr. S. S. Khedkar	Member					

Minutes of 30th BoS Meeting dated on Wednesday 15th Feb 2023

30th Meeting of BoS of Mechanical Engineering was held on **Wednesday 15th Feb 2023**.

It was chaired by Dr. J.P.Giri, Chairman. The following members were present.

S.N.	Name	S.N.	Name
1	Dr. J. P. Giri	23	Dr. P. D. Kamble
2	Dr. Y. M. Puri	24	Prof. R. V. Adakane
3	Dr. A. S. Dhobale	25	Prof. D. N. Kashyap
4	Prof. V. M. Korde	26	Prof. A. R. Narkhede
5	Prof. A. P. Edlabadkar	27	Prof. S. P. Kamble
6	Dr. R. B. Chadge	29	Prof. Y. Y. Nandurkar
7	Prof. D. I. Sangotra	29	Prof. M. M. Dakhore
8	Prof. N. J. Giradkar	30	Prof. P. S. Barve
9	Prof. A. S. Bonde	31	Prof. N. D. Gedam
10	Dr. S. T. Bagde	32	Prof. C. A. Mahatme
11	Dr. S. S. Chaudhari	33	Prof. G. M. Dhote
12	Prof. V. G. Thakre	34	Dr. V. R. Khawale
13	Dr. S. R. Jachak	35	Prof. P. A. Hatwalne
14	Prof. M. S. Tufail	36	Dr. A. P. Kedar
15	Dr. S. P. Ambade	37	Dr. S. V. Prayagi
16	Prof. P. N. Shende	38	Prof. N. R. Sunehria
17	Prof. A. B. Amale	39	Prof. P. V. Lande
18	Prof. G. H. Waghmare	40	Prof. S. S. Nagpure
19	Prof. R. G. Bodkhe	41	Prof. N. P. Mungle
20	Prof. R. G. Bodkhe		
21	Prof. D. Y. Shahare		
22	Dr. S. S. Khedkar		

Following members has been permitted leave of absence

1.Mr. Shree Jamdar

2. Mr. Irfan Makki

Minutes of Meetings 30th BoS Meeting



Agenda No. 30.01

Welcome of new members

Dr J.P.Giri welcomed all BoS experts viz., Dr. Y.M.Puri Associate Professor, Department of Mechanical Engineering, VNIT, Nagpur, Dr. A.S. Dhoble, Associate Professor, Department of Mechanical ; Engineering, VNIT, Nagpur Departmental BoS members has also been welcomed by the Chairman.

Agenda No. 30.02

Installation of Member Secretary

No Change.

Agenda No. 30.03

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

The minutes of previous meeting no. 29 held on Saturday 18th August 2022 were already circulated to all members. The ATR of the previous meeting has been discussed with BoS members. (Annexure 1). After confirmation, Chairman asked to accept the minutes of the meeting Dr. S.S. Chaudhari accepted the minutes. Prof. A.S. Bonde seconded it. The minutes were then accepted.

Agenda No. 30.04

To discuss and suggest the action taken on

- **Co/Po attainment of subjects taught in previous semester.** (Annexure 2)
The complete process of CO/PO attainment is in process
- **Result analysis of subjects taught in the previous semester.** (Annexure 3)
The overall and subject-wise result analysis of ODD Term 2022-23 has been shown to the BoS Experts. Experts appreciated the efforts taken by the faculty for such good results.

S.N.	Semester	Pass %
1	V	71.00
2	VII	84.00

As the results of all the semesters are above 80%, no action is required to be taken.

- **Stakeholders' feedback on the review and design of the curriculum**

S.N.	Stakeholder	Feedback	Action Taken
1.	Parent	Subject related to new techniques in construction should be added	In new SoE 21-22, courses such as Surface Engineering, Machine learning in Manufacturing Techniques etc.has been added as core and professional electives.
2	Alumni	1. More Site/ industrial visit should be arranged. 2. Industry based courses should be run.	1.All semester students will be benefitted with site visits. 2.Offered from new session
3	Student	1.Courses including current practices and innovative application should be started.	1.Coursera course "Aerial Robotics and mobility" is started in 7th Semester with 3 credits for theory from AY 2022-23.
4	Faculty	Changes required in existing syllabus were suggested.	Will be incorporated in the said syllabus.

- **In Sem, End Sem and Exit feedback on Teaching Lear & curriculum.**
All feedback has been discussed with BoS Experts.

Sem	No. of faculty with feedback more than 90%		No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%		No. of faculty with feedback less than 60%	
	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem
V	13/15	13/15	02/15	02/15	-	-	-	-
VII	22/26	22/26	04/26	04/26	-	-	-	-

As feedback on teaching learning is above 60%, BoS experts appreciated and asked to maintain the same.

Agenda No. 30.05

1.To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2020) 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 for SoE Autonomous 2018 of the Undergraduate and of Post graduate programs.

2.To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year .

10th Curriculum Development workshop was conducted on Tuesday 19th July 2022 for validation of SoE 22 and all syllabi of B.Tech and M.Tech I & II year . Validation of the syllabus was carried out as per thrust area of curriculum by experts of various domain. The SoE and syllabi of all courses has been approved and validated after thorough discussions.

Agenda No. 30.06

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech.2020 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 2018 Schemes of Undergraduate and Post graduate programs.

Agenda No. 30.07

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 corrections and amendments were proposed by any members in the laboratory courses of Under-Graduate and Post Graduate programs

Agenda No. 30.08

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 corrections and amendments were proposed by any member

Agenda No. 30.09

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

No corrections and amendments were proposed by any member

Agenda No. 30.10

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

No corrections and amendments were proposed by any member

Agenda No. 30.11

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/Even Term 2022-23

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/Even Term 2022-23 will be decided after the notification received from CoE.

Agenda No. 30.12

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/Even Term 2022-23.

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/Even Term 2022-23 will be decided after the notification received from CoE.

Agenda No. 30.13

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 2022-23.

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 2022-23 will be decided after the notification received from CoE.

Agenda No. 30.14

Preparation of Electronic question Bank UG courses according to SoE 2018.

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

Following is the account of EQB with solution available and will distributed to students very shortly.

Agenda No. 30.15

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

No suggestions were proposed by any members.

Agenda No. 30.16

To discuss and propose a scheme for the Minor and Honor course and its syllabus.

No suggestions were proposed by any members.

Agenda No. 30.17

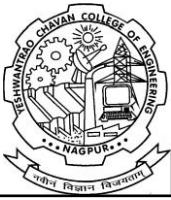
Any other matter with the permission of the Chair.

1. As per the suggestions given by the external expert Attainment should be carried out on the basis of CGPA, which results in less achievement and helps to show more improvement in the view of the NBA.
2. Question banks should not be circulated among the students with the solution. Ask the students to find out the solutions of the given questions.
3. Question banks should be prepared considering campus interviews.
4. Machining processes of First sem should be replace by Material Science and Metallurgy.

Dr. J.P.Giri
Chairman
BoS in Mechanical Engineering

Prof. A.P. Edlabadkar
Member Secretary
BoS in Mechanical Engineering

Electrical Engineering



Nagar Yuwak Shikshan Sanstha's

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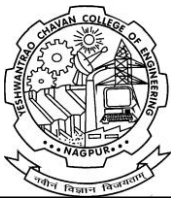
Date: 4/08/2022

Meeting of the Board of Studies was held on **Thursday** 4th August 2022 at **12 noon** in the **Department of Electrical Engineering, YCCE, Nagpur**. The meeting was attended by the following staff members.

S. N.	Name	S. N.	Name
1.	Dr.S.S.Ambekar(VN Nominee)	17	Dr.Sarika Patil
2.	Dr.V.S.Kale(Academic expert)	18	Dr.A.P.Munshi
3.	Dr.Ritesh Keshri(Academic expert)	19	Ms.S.L.Tiwari
4.	Mr.Pravin Palkar(Industry expert)	20	Ms.N.P.Wasnik
5.	Dr.S.G.Kadwane	21	Mrs.Xma R.Pote
6.	Dr.R.M.Moharil	22	Mr. P. S. Shete
7.	Dr.P.M.Meshram	23	Mrs.Swati Mohod
8.	Mr.R.N.Nagpure	24	Mr.S.R.Gaigawal
9.	Dr.S.S.Gokhale	25	Mr.B.S.Sudame
10.	Dr.Mrs.S.P.Adhau	26	Mrs.Ujwalla Waghmare
11.	Mr.P.S.Patil	27	Ms.S.S.Ghadyalji
12.	Ms.S.B.Rewatkar	28	Mr.R.S.Khonde
13.	Dr.S.P.Gawande	29	Mr.V.R.Doifode
14.	Ms.N.T.Sahu		
15.	Mr.A.S.Lilhare		
16.	Mr.P.B.Joshi		

Leave of absence was granted to -

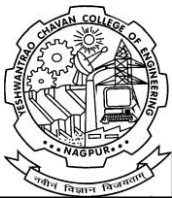
S. N.	Name
1	Mr.Rahul Nagpure(Alumni Member)
2	Ms.J.M.Kumbhare
3	Mr.Rahul Argelwar
4	Ms Surabhi Kachhwa



Department of Electrical Engineering

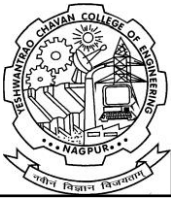
Agenda for Board of Studies (BoS) Meeting No. 30

30.01	Welcome of new members <ul style="list-style-type: none">No new members have joined the department in ODD Semester 22-23
30.02	Installation of member Secretary <ul style="list-style-type: none">Mrs.Xma R.Pote is continued as Member Secretary.
30.03	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 29th BoS Meeting were confirmed.
30.04	<ul style="list-style-type: none">To discuss and suggest the action taken on<ol style="list-style-type: none">CO/PO attainment of subjects taught in previous semester were presented.Result analysis of subjects taught in previous semester were presented.Stake holders feedback on review and design of curriculum were presented.In Sem, End Sem and Exit feedback formats on Teaching Learning & Curriculum were presented.
30.05	To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2020) of the Undergraduate and Post graduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year <ul style="list-style-type: none">SoE 2022 was presented and confirmed by Expert Members.
30.06	To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech 2020 Schemes of Undergraduate and Post graduate programs conducted under the Board. <ul style="list-style-type: none">Minor change in the subject EL3920 Restructuring of Power System (Post graduate Program) was presented and confirmed by expert members.
30.07	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 from the faculty members.
30.08	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 from the faculty members.



Department of Electrical Engineering

30.09	<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 from the faculty members.
30.10	<p>To discuss and propose the new courses/MOOC received from the faculty for inclusion in the curriculum</p> <p>EL2431 PE: Advanced Electrical Drives (7th Semester) to be proposed as MOOC Course.</p>
30.11	<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/Even Term 2022-23</p> <ul style="list-style-type: none">Panel of Paper setters, moderators and valuers for the various theory courses at Undergraduate programs will be included in the list of YA 11 for End Semester Examination of Odd Term 2022-23
30.12	<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/Even Term 2022-23</p> <ul style="list-style-type: none">Panel of Paper setters, moderators and valuers for all the Postgraduate courses under the board will be included in the list of YA 11 for End Semester Examination of Even Term 2021-23
30.13	<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/Even Term 2022-23.</p> <ul style="list-style-type: none">Panel of internal and external examiners for the various laboratory and other non-theory courses at UG and PG levels will be included in the list of YA 12 for End Semester Examination of Even Term 2022-23
30.14	<p>Preparation of Electronic question Bank UG courses according to SoE 2018 To review solutions to all questions of Electronic Question Banks for all courses</p> <ul style="list-style-type: none">Electronic question Bank UG courses according to SoE 2018 is ready.Solutions to all questions of Electronic Question Banks for all courses is in updation process.
30.15	<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">No suggestions from the faculty members.



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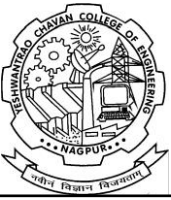
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30.16	<p>To discuss and propose scheme for Minor an Honor course and its syllabus. To discuss and propose Certificate courses and Value Added Courses in 2022-23.</p> <ul style="list-style-type: none">• SoE and syllabus of Minor and Honor Courses were presented.• It was suggested by the experts to have uniform distribution of theory and lab courses in SoE B.E Honors Renewable Energy System.• Minor correction in the subject of 'Solar Energy Technology '(Honors: Renewable Energy System,5th Semester) were presented and approved by the experts.• Certificate courses and value added courses to be implemented in 2022-23 were presented in the meeting.
30.17	<p>Any other matter with the permission of the Chair</p> <ul style="list-style-type: none">• COURSERA Subject titled 'Power Electronics Specialization' to be offered to students of 7th Semester was presented to the expert members and confirmed.

Dr.S.G.Kadwane

HoD



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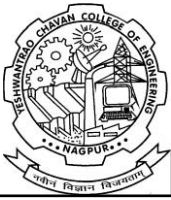
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Date: 10/02/23

Minutes of 31st BoS Meeting dated on Saturday 28th January 2023

31st Meeting of BoS of Electrical Engineering was held on Saturday 28th January 2023.

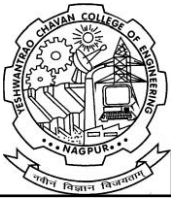
It was chaired by Dr.S.G.Kadwane, Chairman BoS. Following members were present.

S.N.	Name	S.N.	Name
1	Dr.S.G.Kadwane	20	Dr.S.R.Gaigowal
2	Dr.R.M.Moharil	21	B.S.Sudame
3	Dr.P.M.Meshram	22	S.L.Tiwari(Tripathi)
4	Dr.S.P.Adhau	23	P.B.Joshi
5	R.N.Nagpure	24	U.V.Waghmare
6	Dr.S.S.Gokhale	25	R.S.Khonde
7	Dr.B.Y.Bagde	26	S.K.Mohod(Bhojar)
8	Dr.A.P.Munshi	27	Dr.Sarika.D.Patil
9	P.S.Patil	29	Akshay.D.Kadu
10	Dr.S.P.Gawande	29	Nivedita S.Padole
11	S.B.Rewatkar(Kewte)	31	Surabhi L.Kachhawa
12	T.D.Tembhekar(Sakhare)	31	Shweta S.Ghadyalji
13	N.T.Sahu(Shrirao)	32	Anuradha A. Munshi
14	Xma R.Pote	33	Priya Gaikwad
15	A.S.Lilhare	34	Abhishek Joshi
16	V.R .Doifode	35	Priya Jagdale
17	J.M.Kumbhare(Dhakate)		
18	G.C.Gondhalekar		
19	P.S.Shete		

Name	Name
Dr.S.S.Ambekar	Er.Rahul Nagpure
Dr.V.S.Kale	Er.Pravin Palkar
Dr.Ritesh Kesri	

Following members has been permitted leave of absence

1. Dr.V.S.Kale
2. Er.Rahul Nagpure
3. Er.Pravin Palkar



Department of Electrical Engineering

Minutes of 31st BoS Meeting

Agenda No. 31.01

Welcome of new members

Dr S.G.Kadwane welcomed all BoS experts viz., Dr. S.S.Ambekar Professor, Department of Electrical Engineering, KDKCOE, Nagpur, Dr. Ritesh Keshri, Associate Professor, Department of Electrical Engineering, VNIT, Nagpur. Departmental BoS members have also been welcomed by the Chairman.

Agenda No. 31.02

Installation of member Secretary

It has been decided to retain Mrs. Xma R.Pote as Member Secretary BoS for the session 2022-23.

Agenda No. 31.03

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

The minutes of previous meeting no. 30 held on Saturday 4th August 2022 were already circulated to all members. The ATR of previous meeting have been discussed with BoS members. (Annexure 31.03). After confirmation, Chairman asked to accept the minutes of meeting. Dr. S. P Adhau accepted the minutes. Ms. S. L. Tiwari seconded it. The minutes were then accepted.

Agenda No. 31.04

To discuss and suggest the action taken on

- **Co/Po attainment of subjects taught in previous semester.** (Annexure 31.04)

The complete process of CO/PO attainment has been discussed with the BoS Experts. The experts appreciated and approved the process of attainment. Based on direct and indirect assessment, it is observed that all PO's and PSO's almost meet the attainment expectations. However, efforts will be taken to maintain this attainment in future.

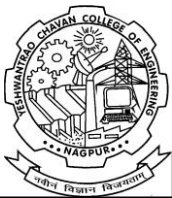
The sample table format is as follows:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Target attainment %	2.64	2.34	2.27	1.49	2.03	1.51	2.02	1.73	2.08	2.02	2.18	2.17	2.18	2.09
Attainment % (Achieved)	2.18	1.88	1.85	1.15	1.77	1.16	1.73	1.55	1.78	1.81	1.87	1.88	1.80	1.68
%	82.69	80.3	81.3	76.8	87.3	76.8	85.4	89.7	85.2	89.26	85.77	86.63	82.54	80.34

- **Result analysis of subjects taught in previous semester.**

The overall and subject wise result analysis of Odd Term 2022-23 has been shown to the BoS Experts. Experts appreciated the efforts taken by the faculty for such good results.

S.N.	Semester	Pass %
1	V	66.03
2	VII	76.22



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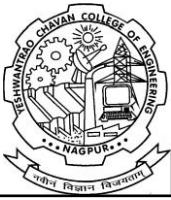
- Stake holders' feedback on review and design of curriculum**

S.N.	Stakeholder	Feedback	Action Taken
1.	Parent	1. Some basic programming language to be taught at Second year level 2. Extra initiatives regarding bright students	1. The subjects will be included in Scheme 2022 for 3 rd and 4 th Semester students 2. COURSERA has been started from Session Even 21-22.
2	Alumni	1. Course related to recent technology or innovations to be included.	1. The subject of Introduction to Smart Cities will be included for students
		2. Courses which will help the students to work in industry to be offered.	2. The subject Project planning and Industrial safety will be added in Odd Semester Session 23-24
3	Student	Topics related to applications of theory being studied to be covered.	Value added courses are conducted and will be conducted in next semester also.
4	Faculty	New subjects to be added as professional electives	The subjects including contents based on Microgrid and Grid integration will be included

- In Sem, End Sem and Exit feedback on Teaching Lear & curriculum.**

All feedback has been discussed with BoS Experts.

Semester	Number of faculty with feedback more than 90%	No. of faculty with feedback more than 80%	No. of faculty with feedback less than 80% and greater than 60%	No. of faculty with feedback less than 60%
	End Sem	End Sem	End Sem	End Sem
V	04/11	07/11	NIL	NIL
VII	11/13	04/13	NIL	NIL



Department of Electrical Engineering

Agenda No. 31.05

- 1. To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2020 & B.Tech 2022) 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.

- Professional electives to be added in SoE 2020.(Annexure 31.05)
- SoE B.Tech 2022 was presented in the previous meeting and confirmed.

- 2. To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year .**

Curriculum Development workshop was conducted on Wednesday 20th July 2022 for validation of SoE 22 and all syllabi of both B.Tech and M.Tech, I & II year . Validation of the syllabus was carried out as per thrust area of curriculum by experts of various domain. The SoE and syllabi of all courses has been approved and validated after thorough discussions.

Agenda No. 31.06

To discuss and suggest the minor changes in the syllabi of various courses in B.Tech 2020 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 B.Tech 2020 Scheme of Undergraduate and Post graduate programs. The following proposal has been forwarded:

- 1. New Professional Elective:** It has been decided to offer following professional electives

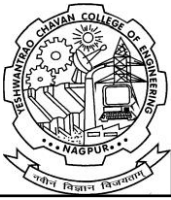
SN	Semester	Name of Subject
1	6	PEI: Grid Integration of Renewable Energy
2	6	PEI: Switched Mode Power Supply
3	7	PEII: Micro Grid
4	7	PEIII: Converters and Configurations of Renewable Energy Systems
5	7	PEIII: Distributed Generation in power System
6	7	PEIV: Industrial Safety
7	7	PEIV: Project Planning

The BoS experts approved to run the said elective courses from coming odd session 22-23 and asked to incorporate the modification in the syllabus. (Annexure 31.06)

Agenda No. 31.07

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 corrections and amendments were proposed by any members in the books/Reference Books/Literature Sources published in the syllabi of courses in various Schemes of Under-Graduate and Post Graduate programs



Department of Electrical Engineering

Agenda No. 31.08

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 Autonomous 2018 Schemes of Undergraduate and Post graduate programs of Undergraduate and Post graduate programs.

No corrections and amendments were proposed by any members in the laboratory courses of Under-Graduate and Post Graduate programs

Agenda No. 31.09

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.

No suggestions were proposed by any members.

Finally, it was unanimously resolved that the existing Academic Regulations governing the Undergraduate and Post graduate programs be continued without any corrections.

Agenda No. 31.10

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

Professional Elective I: Programming in C for beginners (6th Semester) to be added was suggested by Mr. B. S. Sudame. It was presented and accepted by BoS members.

(Annexure 31.10)

Agenda No. 31.11

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 2022-23

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 2022-23 will be decided after the notification received from CoE.

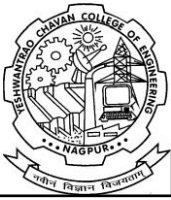
Agenda No. 31.12

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 2022-23.

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 2022-23 will be decided after the notification received from CoE.

Agenda No. 31.13

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 2022-23.

**Department of Electrical Engineering**

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 2022-23 will be decided after the notification received from CoE.

Agenda No. 31.14

Preparation of Electronic question Bank UG courses according to SoE 2018.

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

Following is the account of EQB with solution available

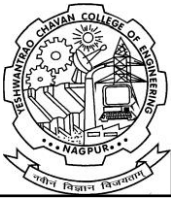
Status of EQB and Solution

Total Core Courses of Department : 14

Total Professional Elective courses: 04 (PE I -IV)

Sr.No	Semester	Course Code	Title of the course	Type of course PC/PE	Remarks (Ready/Partially complete)	
					EQB	Solution
1	3	EL2201	Analog Electronics	PC	Ready	Ready
2	3	EL2203	Electrical Machines	PC	Ready	Ready
3	3	EL2205	Network Analysis	PC	Ready	Partially complete
4	3	EL2207	Electrical Measurement & Instrumentation	PC	Ready	Ready

Sr.No	Semester	Course Code	Title of the course	Type of course PC/PE	Remarks	
					EQB	Solution
1	4	EL2251	Electrical Machines in Power System	PC	Ready	Ready
2	4	EL2253	Electrical Energy Generation System	PC	Ready	Partially complete
3	4	EL2255	Electric & Magnetic Fields	PC	Ready	Ready
4	4	EL2257	Microprocessor	PC	Ready	Ready
5	5	EL2301	Power Electronics	PC	Ready	Ready
6	5	EL2303	Fundamentals of Power System	PC	Ready	Ready
7	5	EL2304	Electrical Drives	PC	Ready	Ready



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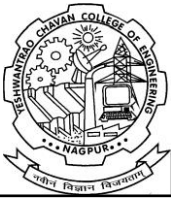
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Department of Electrical Engineering

S.N	Semester	Course Code	Title of the course	Type of course PC/PE	Remarks	
					EQB	Solution
1	6	EL2351	Control System	PC	Ready	Ready
2	6	EL2353	Power System Analysis	PC	Ready	Partially complete
3	6	EL2361	PEI:Advanced Power Electronics	PE	Ready	Partially complete
4	6	EL2362	PEI:Electrical Distribution in Power System	PE	Ready	Ready
5	6	EL2363	PEI: Illumination Engineering (MOOC)	PE	Ready	Partially complete
6	6	EL2364	PEI:Electric Vehicles	PE	Ready	Ready
7	6	EL2365	PEI:Electric Power Utilization	PE	Ready	Partially complete

S.N	Semester	Course Code	Title of the course	Type of course PC/PE	Remarks	
					EQB	Solution
1	7	EL2401	Switchgear & Protection	PC	Ready	Ready
2	7	EL2403	High Voltage Engineering	PC	Ready	Ready
3	7	EL2411	PEII: Fundamentals of Power Quality	PE	Ready	Ready
4	7	EL2412	PEII:Electrical Installation Design	PE	Ready	Partially complete
5	7	EL2413	PEII:Electrical Machine Design	PE	Ready	Ready
6	7	EL2421	PEII: Power System Operation and Control	PE	Ready	Ready
7	7	EL2426	PEII: Sensors and Actuators	PE	Ready	Ready
8	7	EL2422	PEIII:FACTS Devices	PE	Ready	Ready
9	7	EL2423	PEIII: Electrical Energy Management and Audit	PE	Ready	Partially complete
10	7	EL2424	PEIII:Advanced Control System	PE	Ready	Ready
11	7	EL2425	PEIII:Artificial Intelligence Based System	PE	Ready	Ready
12	7	EL2431	PEIV:Advanced Electrical Drives	PE	Ready	Partially complete

**Department of Electrical Engineering**

13	7	EL2432	PEIV:Fundamentals of Smart Grid	PE	Ready	Partially complete
14	7	EL2433	PEIV:Computer Methods in Power System	PE	Ready	Ready
15	7	EL2434	PEIV:EHVAC-HVDC Transmission	PE	Ready	Ready

Agenda No. 31.15

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

No suggestions were proposed by any members.

Finally, it was unanimously resolved that the existing Evaluation Process for theory and other courses be continued without any corrections.

Agenda No. 31.16

To discuss and propose scheme for Minor and Honor course and its syllabus.

To Discuss and propose Certificate courses and value-added courses in 2022-23.

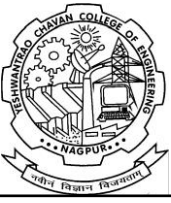
- Minor changes in syllabus of Honor course of Microgrid Technologies are suggested
- Minor changes in syllabus of Minor course of Electric Vehicles are suggested

STATUS OF CERTIFICATE & VALUE-ADDED COURSES conducted BY DEPARTMENTS in ODD AY 22-23

SN	Dept.	TITLE OF COURSE	Sem	COURSE HOURS	MODE OF TRAINING	DATES OF CONDUCTION & TOTAL HOURS IN COURSE	Number of Students attended the CERT / VAC	Remarks
1	EL	Electrical and Electronic measuring devices	3	35	Offline	4 January -4 February 2023	55	
2	EL	Industrial safety and protective devices	3	35	Offline	2 January -2 February 2023	62	

PLANNING OF CERTIFICATE & VALUE ADDED COURSES Planned BY DEPARTMENTS IN EVEN AY 22-23

SN	Deptt.	TITLE OF COURSE	Sem	COURSE HOURS	MODE OF TRAINING	Proposed DATES OF CONDUCTION & TOTAL HOURS IN COURSE	No of Students Expected to attend CERT / VAC	Remarks
1	EL	Substation design and planning	6	35	Offline	February to March 2023	40	
2	EL	Diesel Generator and Protection	4	35	Offline	May to June 2023	35	
3	EL	Testing and Maintenance of Electrical equipments	4	35	Offline	May to June 2023	35	



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Department of Electrical Engineering

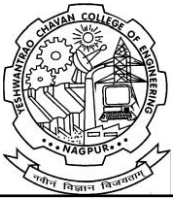
Agenda No. 31.17

Any other matter with the permission of the Chair.

All suggestions have been welcomed and forwarded for further submission to Academic Council. The meeting ended with thanks to Chair.

Mrs. Xma R.Pote
BoS Member Secretary
Dept. of Electrical Engineering

Dr.S.G.Kadwane
Head and Chairman
Dept. of Electrical Engineering



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Department of Electrical Engineering



 **GPS Map Camera**



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3XWH+33J, Wanadongri ct, Wanadongri,

Maharashtra 441110, India

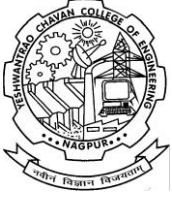
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Electronics Engineering



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Department of Electronics Engineering

Boards of Studies in Electronics Engineering

Minutes of the Meeting No. 32

Meeting No. 32,

Date: 28th January 2022

Meeting no. 32 of the Board of Studies in Electronics Engineering was held on 25th January 2023 at 11.00 A.M. in Electronics Engineering department library.

The meeting was attended by the following members of BoS.

- | | | |
|------------------------------|-----------------------------|------------------------|
| 1. Dr.N.K.Chaudhary | 12. Dr.Mrs. P. P. Palsodkar | 23. Ms.P.R.Chaudhari |
| 2. Mr.Amarendran Akre | 13. Dr.Mrs.R. S. Balpande | 24. Dr. Mrs.T.G.Panse |
| 3. Dr.P.R.Deshmukh | 14. Dr.Mrs. M.N. Kalbande | 25. Dr.P.A.Maturkar |
| 4. Dr. R. D. Thakare | 15. Dr.Mr.P.M. Palsodkar | 26. P.D.Gawande |
| 5. Dr.Pradnya P. Zode | 16. Dr.Ms.A.D.Tijare | 27. Prof.M.S.Pawar |
| 6. Dr.P.T.Karule | 17. Ms. P.A. Jadhav | 28. Dr.Y.A.Suryawanshi |
| 7. Dr. P. P. Zode | 18. Mr. K.G.Pande | |
| 8. Dr.A.S.Khobragade | 19. Mr.A.B.Thatere | |
| 9. Dr.S.V.Rathkantiwar | 20. Mr.V.D. Alagdeve | |
| 10. Mr. A. V. Gokhale | 21. Mr. A.A.Peshettiwar | |
| 11. Dr.U.S.Ghodeswar | 22. Dr.Mrs.Y.A.Gaidhani | |

Leave of absence was granted to

1. **Dr.S.B.Badjate**
2. **Mr.R.A.Deshmukh**
3. **Mrs.S.A.Dhondse**

The following agenda points were deliberated in the meeting

31.01	<p>Welcome of members</p> <ul style="list-style-type: none"> • Dr. R.D. Thakare welcomed all the BoS members in the department. 																											
31.02	<p>Installation of member Secretary</p> <ul style="list-style-type: none"> • No Change 																											
31.03	<p>To confirm the minutes of 31st Meeting of BoS.</p> <ul style="list-style-type: none"> • The minutes of the 31st Meeting of BoS in Electronics Engineering held on 30 July 2022 were placed on the table and confirmed unanimously. 																											
31.04	<p>To discuss and suggest the action taken on</p> <p>i) CO/PO attainment of subjects taught in 5th and 7th semester is as follows The attainment is in process.</p> <p>ii) Result analysis of subjects taught in previous semester</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sr.No</th> <th>Semester</th> <th>% Result</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5</td> <td>78.10</td> </tr> <tr> <td>2</td> <td>7</td> <td>68.49</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • For 5th semester result of all courses is above 75% so no need of any action. • For 7th semester result of all courses except courses <ul style="list-style-type: none"> • EE2414 PE III: VLSI Signal Processing (Result-48.39%), • EE2423 PE IV: RF and Microwave (Result-56.67%) and • EE2425: PE IV: Analog VLSI Design (Result-50%) is above 80% so no need of any action. • For courses EE2414 PE III: VLSI Signal Processing and EE2423 PE IV: RF and Microwave, more number of practice problems on different topics will be taken in class and more assignments will be given. • For course EE2425: PE IV: Analog VLSI Design, subject expert was appointed, classes were planned and conducted.(Total 18 classes) All 6 units were taught and ESE question paper were solved by the students. <p>iii) Stake holders feedback on review and design of curriculum</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Sr. No.</th> <th>Stack Holders</th> <th>Feedback</th> <th>Action taken</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Employers</td> <td>Practical knowledge should be high as per industry requirements. Students should have knowledge about work culture in Industry.</td> <td>• Guest lecture was organized for students by industry person.</td> </tr> <tr> <td>2</td> <td>Alumni</td> <td>The Text Book knowledge that was provided through the curriculum and the technologies we work in our companies are totally different.</td> <td>• VAC/CC on recent technologies and Hand on sessions in different areas were conducted. • VLSI Design, Bluetooth controlled bot, Python programming, its applications and data science, Graphics programming etc.</td> </tr> <tr> <td rowspan="2">3</td> <td rowspan="2">Parent</td> <td>More awareness should be created about how to apply for internships.</td> <td>Dr. S.V. Rathkanthiwar. Dean IRO explained the process and assured to create more awareness among students</td> </tr> <tr> <td>More efforts should be taken for placements</td> <td>The parents were informed about the eligibility criteria of students. Guest lecture on aptitude development was conducted for students</td> </tr> </tbody> </table>	Sr.No	Semester	% Result	1	5	78.10	2	7	68.49	Sr. No.	Stack Holders	Feedback	Action taken	1	Employers	Practical knowledge should be high as per industry requirements. Students should have knowledge about work culture in Industry.	• Guest lecture was organized for students by industry person.	2	Alumni	The Text Book knowledge that was provided through the curriculum and the technologies we work in our companies are totally different.	• VAC/CC on recent technologies and Hand on sessions in different areas were conducted. • VLSI Design, Bluetooth controlled bot, Python programming, its applications and data science, Graphics programming etc.	3	Parent	More awareness should be created about how to apply for internships.	Dr. S.V. Rathkanthiwar. Dean IRO explained the process and assured to create more awareness among students	More efforts should be taken for placements	The parents were informed about the eligibility criteria of students. Guest lecture on aptitude development was conducted for students
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		More efforts should be taken for placements	The parents were informed about the eligibility criteria of students. Guest lecture on aptitude development was conducted for students																									

		Industrial visit to more reputed companies should be conducted	The industrial visit in charge was informed about the same and accordingly more visits will be planned ahead.				
4	Students	More number of Industrial Visit should be planed	4 Industrial visits were organized till date.				
iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum							
	Semester	No. of faculty with feedback more than 90%		No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%	
		IN SEM	END SEM	IN SEM	END SEM	IN SEM	END SEM
	V	2/14	10/14	11/14	4/14	1/14	Nil
		14.28%	71.42%	78.57%	28.57%	7.15%	Nil
	VII	16/17	7/9	1/17	2/9	Nil	Nil
		94.11%	77.77%	5.88%	22.22%	Nil	Nil
31.05	To discuss and suggest the changes in the Scheme of Examination (known as Autonomous B.Tech 2020 & SoE 2022) of the Undergraduate under the Board. To approve and ratify SoE22 and all syllabi of B.Tech I & II year <ul style="list-style-type: none"> • SoE22 for Electronics Engineering and CSE (IoT) was presented and approved. As per the suggestions by the experts in the SoE of CSE(IoT) involvement of courses from electrical and mechanical department in professional elective should be less. 						
31.06	To discuss and suggest the minor changes in the syllabi of various courses in B.Tech 2020 Schemes of Undergraduate and Post graduate programs conducted under the Board. <ul style="list-style-type: none"> • No Change 						
31.07	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 change 						
31.08	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"> • One new experiment is added in the course EE2402 Digital system design lab. 						
31.09	To discuss and suggest the changes in the Academic Regulations governing the Undergraduate and Post graduate programs conducted under the Board. <ul style="list-style-type: none"> • No change 						
31.10	To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum. <ul style="list-style-type: none"> • No change 						
31.11	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 2022-23. <ul style="list-style-type: none"> • The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs for End Semester Examination of EVEN Term 2022-23 was constituted. 						
31.12	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 2022-23. <ul style="list-style-type: none"> • There are no Postgraduate courses under the Board. 						
31.13	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 2022-23. <ul style="list-style-type: none"> • The panel of internal and external examiners for the various laboratory courses 						

	at UG levels for End Semester Examination of EVEN Term 2022-23 was constituted.
31.14	Preparation of Electronic question Bank UG courses according to SoE 2020 & 2022. To review solutions to all questions of Electronic Question Banks for all courses <ul style="list-style-type: none"> • Electronic Question Banks for all courses are ready.
31.15	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 change.
31.16	To discuss and propose scheme for Minor an Honor course and its syllabus. To Discuss and propose Certificate courses and value-added courses in 2022-23. <ul style="list-style-type: none"> • NPTEL based Honor courses for CRYPTOGRAPHY are 5 Semester: <ol style="list-style-type: none"> 1. Discrete Mathematics 2. Introduction to Machine Learning 6 Semester: <ol style="list-style-type: none"> 1. Computer Networks and Internet Protocol 2. Data Analytics with Python Certificate courses and value-added courses to be conducted in even 2022-23. <ul style="list-style-type: none"> • Professional PCB design • Course on IoT
31.17	Any other matter with the permission of the Chair.

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

Dr.R.D.Thakare
Chairman
BoS in Electronics Engineering
Date: 28 January 2023

Dr.Pradnya Zode
Member Secretary
BoS in Electronics Engineering

Composition of Board of Studies in Electronics Engineering

Sr. No.	Provision	Name of Member	Membership
1	Head of the department	Dr. R. D. Thakare	Chairman
2	Faculty Member	Dr. Pradnya Zode	Member Secretary
3	Faculty Member	Dr. P. T. Karule	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
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11	Faculty Member	Dr. P. P. Zode	Member
12	Faculty Member	Dr. P. P. Palsodkar	Member

13	Faculty Member	Dr. Ms. T. G. Panse	Member
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17	Faculty Member	Dr. Mr.P. M. Palsodkar	Member
18	Faculty Member	Dr. Y.A.Suryavanshi	Member
19	Faculty Member	Ms. A. D. Tijare	Member
20	Faculty Member	Mr. V. D. Alagdeve	Member
21	Faculty Member	Ms. P.A.Jadhav	Member
22	Faculty Member	Ms. S. A. Dhondse	Member
23	Faculty Member	Mr. A. A. Peshattiwar	Member
24	Faculty Member	Mr. Kuldeep Pande	Member
25	Faculty Member	P.R.Choudhary	Member
26	Faculty Member	Dr.P.A.Maturkar	Member
27	Faculty Member	P.D.Gawande	Member
28	Subject expert from outside the college to be nominated by the Academic Council.	Dr.S.B.Badjate	Member
29	Subject expert from outside the college to be nominated by the Academic Council.	Dr.N.K.Chaudhary	Member
30	Expert nominated by the vice-chancellor	Dr.P.R.Deshmukh	Member
31	Representative from industry/corporate sector/allied area relating to placement.	Mr. Amarendra G. Akre	Member
32	Postgraduate meritorious alumnus nominated by the Principal	Mr.R.A.Deshmukh	Member

Electronics Telecommunication Engineering



Department of Electronics & Telecommunication Engineering
YCCE/ET/FORMAT/BOS/MOM/26

Minutes of the 26th BOS Meeting

Date: 3rd August 2022

The 26th meeting of the Board of Studies in Electronics & Telecommunication Engineering was held on Wednesday, 3rd August 2022 at 10:00 am in the departmental Library ET, YCCE, Nagpur

The meeting was attended by the following members of Board of Studies.

Sr. No.	Name	Signature
01	Dr.A.G.Keskar, Expert, VNIT, Nagpur	
02	Dr. R. B. Deshmukh, Expert, VNIT, Nagpur	
03	Dr.S.L.Badjate ,VC Nominee, Principal S. B .Jain, Nagpur	
04	Mr. Ranjit Singh, Industry person, M.D. & CEO, Syslogix systems Pvt. Ltd, Nagpur	
05	Mr. Sagar Ghormade, PG Alumni	Absent

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



Nagar YuwakShikshan Sanstha's

Yeshwantrao Chavan College of Engineering

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(Accredited 'A' Grade by NAAC with a score of 3.25)

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E-mail : principal@ycce.edu, info@ycce.edu

Department of Electronics & Telecommunication Engineering

YCCE/ET/FORMAT/BOS/MOM/26

Minutes of the 26th BOS Meeting

Date: 3rd August 2022

The 26th meeting of the Board of Studies in Electronics & Telecommunication Engineering was held on Wednesday, 3rd August 2022 at 10:00 am in the departmental Library ET, YCCE, Nagpur

The meeting was attended by the following members of Board of Studies.

Sr. No.	Name	Signature
01	Dr.A.G.Keskar, Expert,VNIT, Nagpur	Present
02	Dr. R. B. Deshmukh, Expert,VNIT, Nagpur	Present
03	Dr.S.L.Badjate ,VC Nominee, Principal S. B .Jain, Nagpur	Present
04	Mr. Ranjit Singh, Industry person, M.D. & CEO, Syslogix systems Pvt. Ltd, Nagpur	Present
05	Mr. Sagar Ghormade, PG Alumni	Absent

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



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Leave of absence was granted to –

Sr. No.	Name
1	Mr. Sagar Ghormade, PG Alumni

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

26.01 Welcome of new members.

BoS members have been welcomed by the Chairman.

26.02 Installation of member Secretary.

No changes

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

The minutes of the 25th BOS meeting held on, **10th January 2022** in Electronics and Telecommunication Engineering Department were placed on the table and were confirmed unanimously.

26.04 To discuss and suggest the action taken on

- i) Co/Po attainment of subjects taught in previous semester
- ii) Result analysis of subjects taught in previous semester
- iii) Stake holders feedback on review and design of curriculum
- iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum

i) Co/Po attainment of subjects taught in previous semester

- The complete process of CO/PO attainment has been discussed with the BoS Experts. The experts appreciated and approved the process of attainment. The overall attainment of all POs for the program has been carried and all PO's are achieved except PO2 and PO3.
- PO2 and PO3 are marginally achieved due to courses in odd semester (Wireless Sensor Network, Multimedia Communication, Embedded System and Network Analysis) and in even semester, extra-curricular activities.
- The more emphasis would be given on problem analysis through practice assignments on courses like WSN, NA, Embedded System, and Multimedia Communication.
- It is planned that awareness on participation in technical event and publications amongst students would be carried.



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PO	Target Level	PO Benchmark in %	PO Benchmark inlevel	Attainment Level	Observations
PO1	2.99	75	2.24	2.25	Attained
PO2	2.89	75	2.17	2.15	Marginally Attained
PO3	2.64	75	1.98	1.96	Marginally Attained
PO4	2.09	70	1.46	1.58	Attained
PO5	2.75	75	2.06	2.10	Attained
PO6	2.37	70	1.66	1.78	Attained
PO7	2.49	70	1.74	2.11	Attained
PO8	2.93	70	2.05	2.36	Attained
PO9	2.51	75	1.88	1.97	Attained
PO10	2.58	70	1.81	2.00	Attained
PO11	2.23	70	1.56	1.69	Attained
PO12	2.60	70	1.82	2.03	Attained
PSO1	2.62	75	1.97	2.01	Attained
PSO2	2.74	75	2.06	2.10	Attained

Program level Course-PO matrix of all courses including first year courses

Semester	Course Code/Name	% AVG (A+B+C)	attainment														
			PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	
III	ET2201 - Electronic Devices and Circuits/ ET2202 - Lab: Electronic Devices and Circuits	82.76	2.48	2.31	2.45		2.48					2.48	2.48	1.66	2.48	2.48	2.48
III	ET2203 - Digital Circuits and Fundamentals of Microprocessor / ET2204 - Lab: Digital Circuits and Fundamentals of Microprocessor	83.62	2.34	2.14	2.62		2.50					2.17	2.17	1.67	2.50	2.50	2.50
III	ET2205 - Electronic Measurement & Instrumentation / ET2206 - Lab: Electronic Measurement & Instrumentation	85.56	2.14	2.14			2.53					2.12	2.36		1.73	1.28	
III	ET2207 - Network Analysis	52.23	1.57	1.57			1.04					1.04	1.04		1.04	1.57	1.04
IV	ET2251 - Electromagnetic Fields	64.53	1.94	1.94								1.29	1.29		1.29	1.29	
IV	ET2252 - Microcontroller and Interfacing / ET2253 - Lab: Microcontroller and Interfacing	69.84	2.10	2.07	1.61	0.69	2.07	1.38				1.92	1.92	1.38	2.10	2.10	2.07
IV	ET2254 - Analog Communication / ET2255 - Lab: Analog Communication	69.72	2.09	1.97		0.66	1.33	1.32				1.99	1.39	1.32	1.39	2.09	1.33
IV	ET2256 - Control Systems / ET2257 - Lab: Control	71.18	2.14	2.14			2.14					2.14	2.14		1.42	1.42	2.14



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	Systems													
V	ET 2301 - ANALOG INTEGRATED CIRCUITS / ET 2302 - LAB: ANALOG INTEGRATED CIRCUITS	90.37	2.71	2.48	2.29	2.71				2.71	2.71	1.81	2.71	2.71
V	ET 2303 - FIELDS & RADIATING SYSTEMS	76.02	2.28	2.28	1.54	1.38				0.76	1.52		1.52	1.38
V	ET 2304 - SIGNALS & SYSTEMS / ET 2305 - LAB: SIGNALS & SYSTEMS	86.39	2.59	2.59	0.88	1.75	2.59			2.59	2.59		2.59	2.59
V	ET 2306 - LAB: ELECTRONICS WORKSHOP	88.10	2.64	2.64	2.56	2.05	1.76			2.64	2.64	1.76	2.64	2.05
VI	ET2351 - Digital Signal Processing / ET2352 - Lab: Digital Signal Processing	64.37	1.93	1.93	1.62	1.80				1.93	1.93	1.29	1.93	1.80
VI	ET2361 - PE I : Object Oriented Programming / ET2362 - Lab.: PE I: Object Oriented Programming	70.39	2.11	2.11	1.81	1.97				2.11	2.11	1.41	2.11	1.97
VI	ET2363 - PE I : Discrete Structures / ET2364 - Lab. : PE I : Discrete Structures	71.90	2.16	2.16	1.48	2.16				2.16	2.16	1.44	2.16	2.16
VI	ET2365 - PE I : Microprocessors and Peripherals / ET2366 - PE I : Lab. Microprocessors and Peripherals	60.58	1.82	1.87	1.92	1.59				1.59	1.59	1.21	1.82	1.87
VI	ET2367 - PE I : Electronic Instrumentation / ET2368 - PE I : Lab Electronic Instrumentation	68.88	2.07	1.88	1.41	1.41				1.75	1.91		2.07	1.41
VI	ET2371 - PE I : Fundamentals of Computing / ET2372 - Lab: PE I - Fundamentals of Computing	84.08	2.52	2.51	1.65	2.52				2.52	2.52	1.68	2.52	2.52
VI	ET2377 - PE II : Antenna Theory & Design / ET2378 - PE II : Lab. Antenna Theory & Design	66.37	1.99	1.99	1.97	2.01				1.83	1.83	1.33	1.99	1.98
VI	ET2379 - PE II : Digital System Design / ET2380- PE II : Lab. Digital system Design	66.26	1.99	1.99	2.11	2.11				1.85	1.85	1.25	1.99	2.11
VI	ET2381- PE II : Internet of Things (IoT) / ET2382- PE II : Lab. Internet of Things (IoT)	75.38	2.26	2.26	2.30	2.23				2.07	2.07	1.49	2.26	2.23
VI	ET2383- PE II : Optical Communication / ET2384- PE II : Lab. Optical	78.08	2.34	2.12		2.34				2.34	2.34		2.34	2.34



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	Communication															
VI	ET2385- PE II: Principles of image processing / ET2386- PE II: Lab. Principles of image processing	70.19	2.11	2.11		2.11				2.11	2.11	1.40	2.11	2.11	2.11	
VII	ET 2401–RF & Microwave / ET 2402 – Lab: RF & Microwave	84.14	2.52	2.55		2.36				2.52	2.52		2.52	2.52		
VII	ET2403 – Digital Communication / ET2404 – Lab: Digital Communication	82.77	2.48	2.26		2.52				2.52	2.33	1.68	2.52	2.48	2.52	
VII	ET 2411 – PEIII:Power Electronics	83.22	2.50	2.50	2.48					1.66	1.66		2.50	1.66		
VII	ET2412 – PE III: Data compression and encryption	67.84	2.04	1.33		1.36				0.68	1.36		1.36	0.68	1.36	
VII	ET 2413 –PE III :Analog VLSI Design	83.76	2.51	2.51	2.57					0.84	1.68		1.68	1.68		
VII	ET 2414 – PE III: Error Correcting Code	80.46	2.41	2.38						1.61	1.61		2.41	2.41		
VII	ET2415– PE III: Wireless Mobile Communication Systems	73.23	2.20	1.67						0.73	1.46		1.46	2.20		
VII	ET2421 – PE IV: Satellite Communication & Radar Engineering	89.07	2.67	2.26						1.78	1.78		1.78	2.67		
VII	ET2422- PE IV: Embedded System	54.92	1.65	1.28	1.36	0.90				1.10	1.10		1.10	1.65	0.90	
VII	ET 2423 – PE IV: Switching Theory	66.87	2.01	2.01	1.95					1.34	1.34		1.34	1.34		
VII	ET 2424 – PE IV: Topics in Machine Learning	80.16	2.40	2.40		2.40				2.40	2.40	1.60	2.40	0.80	2.40	
VII	ET 2425 – PE IV:Multimedia Communications	64.84	1.95	1.49	0.73	1.30				1.30	1.30		1.30	1.95	1.30	
VII	ET2431-PE V: Display Technology	86.65	2.60	2.37	1.55						1.73		1.73	1.73		
VII	ET2432-PE V:Biomedical Instrumentation	86.68	2.60							1.73	1.73		1.73	1.73		
VII	ET 2433 – PE V: Fuzzy Logic & Neural Network	75.00	2.25	2.25	1.61	1.50				1.50	1.50		1.50	0.75	1.50	
VII	ET 2434 -PE V: Wireless Sensor Networks	76.45	2.29	1.35	1.10					1.53	1.53		1.50	1.53		
VII	ET2435 – PE V : RF Circuit Design	86.58	2.60	2.32	2.77					1.73	1.73		1.73	1.73		
VII	ET2441-PE VI : CMOS VLSI Design	76.31	2.29	2.08	2.07	1.53				1.53	1.53		1.53	2.29	1.53	
VII	ET2442– PE VI: Digital Image Analysis for Remote Sensing	68.99	2.07	1.93		1.38				1.38	1.38		1.38		1.38	
VII	ET 2443- PE VI : Microwave Integrated circuits	85.14	2.55	2.52	2.52	1.68				0.85	1.70		1.70	1.70	1.68	
VII	ET2444 – PE VI: Communication Networks	70.88	2.13	2.13	1.77					1.42	1.42		1.42	2.13		
VII	ET2446 – PE VI:PLCs& SCADA	90.37	2.71	2.79	1.86					1.81	1.81		1.81	1.81		
VII	ET2409: Mini Project	75.82	2.27	2.27	1.52	1.52	2.27	1.89	1.89	2.27	2.27	2.27	1.52	2.27	2.27	2.27



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VII	ET2410: Campus Recruitment Training (CRT)	91.41	2.74	2.74				2.74		1.83	2.74	2.74	2.74		2.74	2.74	2.74
VIII	ET2452: Extra curricular Activity Evaluation / Internship	67.10	2.01	2.01	1.58	1.58	2.01	1.05	1.05	1.05	1.05	2.01	2.01	1.34	2.01	2.01	2.01
VII	ET2451 : Major Project	84.29	2.53	2.48	2.33	2.33	2.53	2.15	2.29	2.29	2.53	2.53	2.36	2.53	2.53	2.53	2.53

Evaluation of each PO & PSO

Weightage	PO 1		PO 2		PO 3		PO 4		PO 5		PO6		PO7		PO8		PO9		PO10		PO11		PO12		PSO1		PS O2		
	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	
80%	2	2	2	2	2	1	1	1	2	1	2	1	2	2	2	2	1	2	1	2	1	2	1	2	1	2	1	2	1
	9	2	8	1	5	8	8	3	6	9	2	6	36	0	92	3	39	8	47	8	04	4	49	1	9	52	8	67	9
	74.03%		74.13%		73.23%		73.23%		74.06%		72.71%		85.88%		80.57%		76.67%		76.09%		73.06%		76.56%		74.53%		74.17%		
20%	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3	2	
	0	4	0	2	0	3	0	4	0	5	0	4	00	4	00	3	00	5	00	4	00	4	00	4	00	5	00	5	00
	80.28%		75.41%		76.73%		81.46%		84.22%		82.30%		81.81%		79.67%		84.59%		82.47%		83.07%		83.02%		83.85%		85.55%		
Total	2	2	2	2	2	1	1	1	2	2	2	1	2	2	2	2	1	2	1	2	1	2	1	2	1	2	1	2	1
	9	2	8	1	6	9	0	5	7	1	3	7	49	1	93	3	51	9	58	0	23	6	60	0	62	0	74	1	0
	75.28%		74.40%		74.02%		75.60%		76.28%		75.14%		84.90%		80.39%		78.56%		77.57%		75.75%		78.05%		76.66%		76.66%		

ii) Result analysis of subjects taught in previous semester

The overall and subject wise result analysis of Even Term 2021-22 has been shown to the BoS Experts.

S.N.	Semester	Pass %
1	IV	86.534
2	VI	90.526
3	VIII	100.00

As the results of all the semesters are above 80%, no action is requiring to be taken.

iii) Stake holders feedback on review and design of curriculum



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S.N.	Stakeholder	Feedback	Action Taken
1.	Parents	1. Update curriculum to cater to the needs of the future of the industry. Faculty must be empathetic towards students and provide an education instead of reading from PPT.	1. For catering future needs of industries specialized courses are included in the new SoE 22. Also judicious combination of PPT and Chalk and Duster is suggested to the faculty as per the requirement of the subject.
		2. Exam pattern should be changed, options in question papers required.	2. Sentiments of parents and students regarding options in question paper is communicated to DAM office.
		3. Improve library facility.	3. Information of online library and facilities available in the library are communicated to students. Reference material for GATE is purchased and made available in Departmental library
2	Alumni	1. Industry institution interaction should be strengthened	1. For strengthening ,Industry institution interaction , MoU are signed with 20 + Industries , industrial visits are organized, more than 25 technical activities including guest lectures, workshops, seminars, etc. are taken. In addition industry expert is member of BoS and industry; research centre electives are included in the SoE
		2. Compulsory seminar should be taken for developing self confidence	2. For overall personality, soft skills & self-confidence development of students YCAP Audit course is specially started from III semester itself.
		3. Core Companies should be visited to college for placements	3. Core companies like Cerium Systems, L&T Technologies Services and Blue berry semiconductor visited last year for campus placement. Efforts are also being taken by T & P office for campus placement of few more core companies
		4. Courses on currents trends in technical employability must be increased	4. The courses like Machine learning, IoT, PLCs and SCADA etc are introduced to improve technical employability of students.
3	Employers	1. Some Skill based content in curriculum to solve local and global problems must be added	1. To develop analytical and practical skills and solve local and global problems, activities like Mini Projects in all hardware labs, Industry based major projects and project based learning are added.



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		2. Current syllabus must be updated with current trends in industry	2. For updating syllabus as per industry requirement, SoE is modified after every 04 years in consultation with Experts from Industries as well as inputs received from Employers, Alumni etc.
4	Faculty (points discussed in 25 BoS meeting)	<p>ET2385- PE II: Principles of image processing: Following topics need to add in syllabus Unit 3: Filtering in spatial and frequency domain, Unit 5: Clustering Unit 6: Feature Extraction</p> <p>ET2444 – PE VI: Communication Networks: Following topics need to add in syllabus Unit 3: Congestion and Congestion Control Mechanism, Unit 4: Introduction, virtual circuit and datagram networks, internet protocol, routing algorithm, routing in the internet, broadcast and multicast routing</p> <p>ET 2434 -PE V: Wireless Sensor Networks: Unitization of syllabus is needed to revise.</p> <p>ET2446 PE VI: PLCs and SCADA : Unitization of syllabus is needed to revise.</p>	Incorporated in the said syllabus.

iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum

All feedback has been discussed with BoS Experts.

Semester	No. of faculty with feedback more than 90%		No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%	
	In-sem	End-sem	In-sem	End-sem	In-sem	End-sem
IV	06/15	13/15	07/15	02/15	02/15	-
	40%	86.66%	46.66%	13.33%	13.33%	-
VI	07/13	03/09	06/13	06/09	-	-
	53.46%	33.33%	46.15%	66.66%	-	-

Since the feedback is more than 60% for all faculty members, no action is required to be taken.



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26.05 To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2020) of the Undergraduate and Post graduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year

- No Changes have been proposed in the Scheme of Examination 2018 of Undergraduate and Post graduate programs.
- The course Fundamentals of Internet of Things to be included as Open Elective I and Open Elective II in V semester and VI semester respectively of B.Tech 2020 has been proposed and approved by experts.
- The Experts approved and confirmed SoE 22 and II, III, IV semester syllabi of B.Tech and M.Tech I & II year.
- The Expert suggested following minor changes in syllabi of SoE22 B.Tech
In the course Digital Logic Design Remove the topic Excess 3 code; modify the syllabus as per the Switching & Finite Automata Theory by Zvi Kohavi, Niraj K. Jha book.
- In the course Passive RF Circuit (M.Tech I sem course) experts suggested to swap unit 5 with Unit 6.

26.06 To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech 2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

No Changes have been proposed

26.07 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

Experts suggested changes in the books for the following courses

ET2201 Electronics devices and circuits :

The reference book Electronic Devices and Theory, Boylestad, Nashelsky, 9th. Edition May 2010, PHI shifts to text book.

ET2252 Microcontroller & Interfacing:

To add The book Fundamentals of microcontrollers & applications in Embedded systems by Ramesh Gaonkar in the syllabus

Postgraduate Programs.

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

Experts suggested modifying the experiment list for all lab courses of Under-Graduate and Post Graduate programs



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

No changes have been suggested

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

26.11 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 2022-23

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 2022-23 have been prepared and proposed.

26.12 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 2022-23

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 2022-23 have been prepared and proposed.

26.13 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 2022-23

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 2022-23 have been prepared and proposed.

26.14 Preparation of Electronic question Bank UG courses according to SoE 2018. To review solutions to all questions of Electronic Question Banks for all courses.

Electronic question bank UG courses according to SoE 2018 are prepared/ updated. Solutions to all questions of Electronic Question Banks for all courses are reviewed.

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

No changes have been suggested



Department of Electronics & Telecommunication Engineering

26.16 To discuss and propose scheme for Minor an Honor course and its syllabus. Discussed and proposed Certificate courses and value added courses in 2022-23.

Scheme for Honor course and its syllabus is proposed and discussed; minor Changes have been suggested by experts and were incorporated in Honors in Computer Vision & Automation.

In the course ETH 132 Industrial Automation and Robotics

- Changes in syllabus is below 20%
- Unitization of syllabus is revised

Following Certification courses and Value added courses were proposed and approved by experts.

- Image processing and Computer Vision Applications of duration 30 Hrs
- Advances in Embedded system and IoT of duration 30 Hrs
- Advanced CMOS VLSI Design of duration 30 Hrs

26.17 Any other matter with the permission of the Chair.

- It is suggested by the experts that every undergraduate course unit will not reflect Contemporary issues, hence it should be remove from each unit and “recent trend /topic related to course” should be added at the end of sixth unit.
- Through the observations on post graduate curriculum design, experts have recommended reconciled course curriculum as paragraph instead of unitized one.

Chairman was authorized to finalize the SOE.

The meeting concluded with thanks to the Experts.

Dr. M.S. Dorle
Member Secretary
BoS, ET

Dr. M.S. Narlawar
Chairman & HoD, ET



Nagar YuwakShikshan Sanstha's

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YCCE/ET/FORMAT/BOS/MOM/28

Minutes of the 28th BOS Meeting

Date: 22nd July 2023

The 28th meeting of the Board of Studies in Electronics & Telecommunication Engineering was held on Saturday, 22nd July 2023 at 10:00 am in the departmental Library ET, YCCE, Nagpur.

The meeting was attended by the following members of Board of Studies.

Sr. No.	Name	Signature
01	Dr.A.G.Keskar, Expert,VNIT, Nagpur	Absent
02	Dr. R. B. Deshmukh, Expert,VNIT, Nagpur	Present
03	Dr.S.L.Badjate ,VC Nominee, Principal S. B .Jain college of Engineering, Nagpur	Present
04	Mr. Ranjit Singh, Industry person, M.D. & CEO, Syslogix systems Pvt. Ltd, Nagpur	Present
05	Mr. Aniruddha Kalbande, Alumni	Present

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

Approved By: BoS Electronics & Telecommunication Engg.



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Leave of absence was granted to –

Sr. No.	Name
1	Dr.A.G.Keskar, Expert,VNIT, Nagpur
2	Dr.M.D. Chawhan ET,YCCE
3	M.S.Ghute ,ET,YCCE
4	Y. S. Kale ,ET,YCCE
5	A.A.Madankar, ET,YCCE

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

28.01 Welcome of new members.

BoS Chairman Dr. M. S. Narlawar welcomed all BoS members. The chairman also welcomed new members Dr. P.L. Zade and Mr. Anirudhha Kalbande Alumnus.

28.02 Installation of member Secretary.

No changes

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

The minutes of the 27th BOS meeting held on, 23rd January 2023 in Electronics and Telecommunication Engineering Department were placed on the table and were confirmed unanimously.

28.04 To discuss and finalize the Scheme of Examination SoE 2023 of Electronics & Telecommunication Engineering Undergraduate programmes, framed as per NEP 20 Guidelines, issued by Government of Maharashtra through GR No: NEP-2022/(67/23) / DTE-2 dated 04.07.2023. To approve SoE23 and all syllabi of B.Tech I Year.

The Scheme of Examination SoE 2023 of Electronics & Telecommunication Engineering Undergraduate programme, framed as per NEP 20 Guidelines, issued by Government of Maharashtra through GR No: NEP-2022/(67/23) / DTE-2 dated 04.07.2023, has been discussed with BoS experts.

The guidelines created by the Dean (Academic Matters) in accordance with the GR and the key elements of the GR have been thoroughly examined. 176 credits in total have been allocated among the different course categories.

BoS experts appreciated the efforts taken by the department to formulate the SoE as per the NEP 2020 guidelines defined by GoM.

As per the suggestions of BoS experts, complete VIII semester must be provided with Internship as the students are busy as intern in the respective assigned firm and practically, it's become difficult for them to cope with both college and industry timings.

The suggestions of BoS experts have been forwarded to Dean Academic Matters for further approval.

Approved By: BoS Electronics & Telecommunication Engg.



Department of Electronics & Telecommunication Engineering

28.05 To discuss and suggest the action taken on

- i) Co/Po attainment of subjects taught in previous semester**
- ii) Result analysis of subjects taught in previous semester**
- iii) Stake holders feedback on review and design of curriculum**
- iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum**

i) Co/Po attainment of subjects taught in previous semester

Co/Po attainment of subjects taught in previous semester is in Progress.

ii) Result analysis of subjects taught in previous semester

The overall and subject wise result analysis of EVEN Term 2022-23 has been shown to the BoS Experts.

S.N.	Semester	Pass %
1	IV	69.72
2	VI	79.07
3	VIII	100

Course result with less than 75%

SN	SEM	Courses Name	Results (%)
1.	VI	ET 2363 PE I : Discrete Structure	70.27%

Action Taken:

1. Revision classes before MSEs will be taken for all the students.
2. Solving old MSE & ESE Question papers from students.

IV sem Result		
Range	Name of Subject	Result
Result between 75 to 80%	Microcontroller and Interfacing	79.05%
Result between 80 to 90 %	1.Advance Mathematical Technique	88.73%
	2. Electromagnetic Fields	87.56%
	3.Control system	88.52%
	4.Analog Communication	84.13%



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VI sem Result		
Range	Name of Subject	Result
Result between 80 to 90 %	Digital Signal Processing	84.31%
	PE II : Antenna Theory & Design	80.95%
Result above 90%	1.Fundamental of management	94.88%
	2. PE I : Microprocessor and Peripherals	92.50%
	3. PE I : Electronic Instrumentation	95.35%
	4. PE I : Object oriented programming	100%
	5. PE I : Fundamentals of Computing	100%
	6. PE II : Digital system Design	100%
	7. PE II : Internet of Things (IoT)	100%
	8. PE II : Optical Communication	100%
	9. PE II :Principles of image processing	95.35%

iii) Stake holders feedback on review and design of curriculum

S.N.	Stakeholder	Feedback	Action Taken
1	Parents	Provide internship to all students even if placed or not placed	Internship for non-placed students through MoUs signed industries, Internshala and AICTE internship portal is a done.
		College should conduct additional software courses required in industry	<ul style="list-style-type: none"> • Many value added courses are conducted in different departments which students can attend. • Many software courses such as OOPS, Machine learning, Fundamentals of computing are in the SoE.
2	Alumni	Focus on practical implementation to develop students skills	<ul style="list-style-type: none"> • Project Based Learning activity already taken for one course each in 4th and 6th semester • Mini projects are taken in hardware related laboratory
		Focus on programming languages & Include industry level topics on syllabus	<ul style="list-style-type: none"> • More professional elective courses aligned with industry are added in SoE through which industry based and programming skills will be enhanced. • In addition through Value Added Courses engaged by industry persons the students are made industry ready

Approved By: BoS Electronics & Telecommunication Engg.



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		Must include proper training in MATLAB & Simulink	Through Value added and Certification course initiated for the students from 3 rd sem itself they get appropriate training on MATLAB & Simulink
		Provide the software classes	YCAP is initiated from 3 rd sem to groom software competencies of student
		Updation in certain course syllabi required	Not only every year syllabus is revised but also new courses are introduced to suit the current trends of industry
3	Employers	Current syllabus must be updated with current trends in industry	For updating syllabus as per industry requirement, SoE is modified after every 04 years in consultation with Experts from Industries as well as inputs received from Employers, Alumni etc.
4	Faculty	1) ET2254-Analog Communication The topic TV Fundamentals and digital satellite television needs to remove from syllabus. 2) ET 2443- PE VI: Microwave Integrated circuits Unit 2 need to split in two units and merge unit 5 and unit 6 to make one unit.	Incorporated in the said syllabus.
5	Students	Programing languages, Entrepreneurship related subjects should be added. Lab classes should be given more importance so that we learn practical knowledge and projects development.	<ul style="list-style-type: none"> • Subject like Object Oriented Programming ,Algorithm and data structure, Python etc. were included in curriculum • Already department conducted many workshops through entrepreneurship cell for students. Also we have facility of Entrepreneurship cell for students including management subjects. • In every lab course we have mini project and most of the Major Projects are Industry aligned to improve practical knowledge of the students

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iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum

All feedbacks have been discussed with BoS Experts.

Semester	No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%		No. of faculty with feedback less than 60%	
	In-sem	End-sem	In-sem	End-sem	In-sem	End-sem
IV	13/13	13/13	NIL	NIL	NIL	NIL
	100%	100%	-	-	-	-
VI	14/14	14/14	NIL	NIL	NIL	NIL
	100%	100%	-	-	-	-

28.06 To discuss and suggest the minor changes in the syllabi of various courses in B.Tech 2020 & B.Tech 2022 Schemes of Undergraduate and Post graduate programs conducted under the Board.

No changes were proposed by any members in syllabi of various courses in B.Tech 2020 & B.Tech 2022 Schemes of the Undergraduate and Post graduate programs conducted under the Board.

28.07 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 were proposed by any members in the books/ Reference Books/ Literature Sources Published in the syllabi of courses in various Schemes of Undergraduate and Postgraduate Programs.

28.08 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 were proposed by any members in the laboratory courses of Under-Graduate and Post Graduate programs.

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

No suggestions were proposed by any members. Finally, it was unanimously resolved that the existing Academic Regulations governing the Undergraduate and Post graduate programs be continued without any corrections.

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

28.11 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 2022-23

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 2023-24 will be decided after the notification received from CoE.

28.12 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 2022-23

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 2023-24 will be decided after the notification received from CoE.

28.13 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 2022-23

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 2023-24 will be decided after the notification received from CoE.

28.14 Preparation of Electronic question Bank UG courses according to B.Tech SoE 2020 & 2022 To review solutions to all questions of Electronic Question Banks for all courses

Electronic question bank UG courses according to B.Tech SoE 2020 are prepared/ updated. Solutions to all questions of Electronic Question Banks for all courses are reviewed. Preparation of Electronic question Bank UG courses according to B.Tech. SoE 2022 is in process.

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

No changes have been suggested.

28.16 To discuss and propose scheme for Minor and Honor course and its syllabus. To Discuss and propose Certificate courses and value-added courses in odd term 2023-24.

The Department Honor program titled **Computer Vision and Automation** is renamed as **Computational Intelligence for Automation** from the session 2023-24

The course has been in collaboration with Fireblaze Technologies Private Ltd. Nagpur

No changes were proposed for Honor course syllabi.

Approved By: BoS Electronics & Telecommunication Engg.



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Following Certification courses and Value added courses were proposed and approved by experts.

SN	Title of Course	Sem	Course Hours	Mode Of Training	Proposed Dates of Conduction & Total Hours In Course	No Of Students Expected To Attend Cert / Vac
1	Hands on training on tools used for mixed signal design and it's application	V & VII	30 Hrs	Offline	24-28 July 2023	40
2	Machine Learning with practical application using Python	V & VII	30 Hrs	Offline	14-19 July 2023	50
3	Wireless Mobile Communication & Cyber Security	V & VII	30 Hrs	Offline	2-6 August 2023	30

28.17 Any other matter with the permission of the Chair.

All suggestions have been accepted and are being forwarded to the Academic Council for consideration.

The meeting concluded with thanks to the Experts.

Dr. M.S. Dorle
Member Secretary
BoS, ET

Dr. M.S. Narlawar
Chairman & HoD, ET

Approved By: BoS Electronics & Telecommunication Engg.



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YCCE/ET/FORMAT/BOS/MOM/27

Minutes of the 27th BOS Meeting

Date: 23rd January 2023

The 27th meeting of the Board of Studies in Electronics & Telecommunication Engineering was held on Monday, 23rd January 2023 at 3:00 pm in the departmental Library ET, YCCE, Nagpur.

The meeting was attended by the following members of Board of Studies.

Sr. No.	Name	Signature
01	Dr.A.G.Keskar, Expert,VNIT, Nagpur	Present
02	Dr. R. B. Deshmukh, Expert,VNIT, Nagpur	Present
03	Dr.S.L.Badjate ,VC Nominee, Principal S. B .Jain, Nagpur	Absent
04	Mr. Ranjit Singh, Industry person, M.D. & CEO, Syslogix systems Pvt. Ltd, Nagpur	Absent
05	Mr. Sagar Ghormade, PG Alumni	Absent

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

Approved By: BoS Electronics & Telecommunication Engg.



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Leave of absence was granted to –

Sr. No.	Name
1	Dr.S.L.Badjate ,VC Nominee, Principal S. B .Jain, Nagpur
2	Mr. Ranjit Singh, Industry person, M.D. & CEO, Syslogix systems Pvt. Ltd, Nagpur
3	Mr. Sagar Ghormade, PG Alumni
4	Dr. Y.U.Chitriv, ET, YCCE

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

27.01 Welcome of new members.

BoS members have been welcomed by the Chairman.

27.02 Installation of member Secretary.

No changes

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

The minutes of the 26th BOS meeting held on, 3rd August 2022 in Electronics and Telecommunication Engineering Department were placed on the table and were confirmed unanimously.

27.04 To discuss and suggest the action taken on

- Co/Po attainment of subjects taught in previous semester
- Result analysis of subjects taught in previous semester
- Stake holders feedback on review and design of curriculum
- In Sem, End Sem and Exit feedback on Teaching Learning & curriculum

i) Co/Po attainment of subjects taught in previous semester

Co/Po attainment of subjects taught in previous semester is in Progress.

ii) Result analysis of subjects taught in previous semester

The overall and subject wise result analysis of ODD Term 2022-23 has been shown to the BoS Experts.

S.N.	Semester	Pass %
1	VII	70.20
2	V	54.79

Approved By: BoS Electronics & Telecommunication Engg.



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Courses results with less than 75%

SN	SEM	Courses Name	Results (%)
1.	V	ET 2301 AIC	70.18
2.		ET 2304 S&S	60.27
3.	VII	ET2434 WSN	57.45
4.		ET 2441 CMOS VLSI DESIGN	68
5.		WT 2442 DIARS	60

Action Taken:

1. Remedial classes were taken in all the courses for students with less than 40% marks.
2. Revision classes before MSEs will be taken for all the students from EVEN 2022-23.
3. Solving old MSE & ESE Question papers from students

iii) Stake holders feedback on review and design of curriculum

S.N.	Stakeholder	Feedback	Action Taken
1.	Parents	Provide internship to all students even if placed or not placed	Internship for non-placed students through MoUs signed industries, Internshala and AICTE internship portal.
		College should conduct additional software courses required in industry	<ul style="list-style-type: none">• Many value added courses are conducted in different departments which students can attend.• Many software courses such as OOPS, Machine learning, Fundamentals of computing are in the SoE.
		Students should be encouraged for languages like C++, Java, Python and how to work in IT companies	Courses based on C++ and Python included in SoE
2	Alumni	Focus on practical implementation to develop students skills	<ul style="list-style-type: none">• Project Based Learning activity already taken for one course each in 4th and 6th semester• Mini projects are taken in hardware related laboratory
		Focus on programming languages & Include industry level topics on syllabus	<ul style="list-style-type: none">• More professional elective courses aligned with industry are added in SoE through which industry based and programming skills will be enhanced.

Approved By: BoS Electronics & Telecommunication Engg.



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			<ul style="list-style-type: none"> In addition through Value Added Courses engaged by industry persons the students are made industry ready
		Must include proper training in MATLAB & Simulink	Through Value added and Certification course initiated for the students from 3 rd sem itself they get appropriate training on MATLAB & Simulink
		Provide the software classes	YCAP is initiated from 3 rd sem to groom software competencies of student
		Updation in certain course syllabi required	Not only every year syllabus is revised but also new courses are introduced to suit the current trends of industry
3	Employers	Current syllabus must be updated with current trends in industry	For updating syllabus as per industry requirement, SoE is modified after every 04 years in consultation with Experts from Industries as well as inputs received from Employers, Alumni etc.
4	Faculty	The course Fundamentals of Internet of Things to be included as Open Elective I and Open Elective II in V semester and VI semester respectively of B.Tech 2020 has been proposed and approved by experts.	Incorporated in the said B.Tech SoE 2020.
5	Students	<ul style="list-style-type: none"> Programming languages, Entrepreneurship related subjects should be added. Lab classes should be given more importance so that we learn practical knowledge and projects development. 	<ul style="list-style-type: none"> Subject like Object Oriented Programming ,Algorithm and data structure, Python etc. were included in curriculum Already department conducted many workshops through entrepreneurship cell for students. Also we have facility of Enterprenurship cell for students including management subjects. In every lab course we have mini project and most of the Major Projects are Industry aligned to improve practical knowledge of the students



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Department of Electronics & Telecommunication Engineering

- iv) **In Sem, End Sem and Exit feedback on Teaching Learning & curriculum**
All feedbacks have been discussed with BoS Experts.

Semester	No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%		No. of faculty with feedback less than 60%	
	In-sem	End-sem	In-sem	End-sem	In-sem	End-sem
V	11/12	11/12	1/12	1/12	NIL	NIL
	91.66%	91.66%	8%	8%	-	-
VII	28/31	26/31	3/31	5/31	NIL	NIL
	90.32%	83.87%	9%	16.2%	-	-

No Faculty was having feedback less than 60%.

27.05 To discuss and suggest the changes in the Scheme of Examination (known as Autonomous B.Tech 2020 & SoE 2022) of the Undergraduate and Post graduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year

- No Changes have been suggested in the Scheme of Examination (known as Autonomous B.Tech 2020 & SoE 2022) of the Undergraduate and Post graduate programs.
- The Experts approved and confirmed SoE 22 and II, III, IV semester syllabi of B.Tech and M.Tech I & II year.

27.06 To discuss and suggest the minor changes in the syllabi of various courses in B.Tech 2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

The Expert suggested and approved following minor changes in syllabi of B.Tech 2020

- 1) In the course ET2254 - Analog Communication
Remove the topics TV Fundamentals and digital satellite television.
- 2) In the course ET 2443- PE VI: Microwave Integrated circuits
Split unit 2 in two units and merge unit 5 and unit 6 to make one unit.

27.07 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 suggested

27.08 To discuss and approve the list of experiments, wherever there is a change, in the

Approved By: BoS Electronics & Telecommunication Engg.



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Department of Electronics & Telecommunication Engineering

laboratory courses of Under-Graduate and Post Graduate programs.

Experts suggested modifying the experiment list for ET 2255- lab Analog Communication

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

No changes have been suggested

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

27.11 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 2022-23

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 2022-23 have been prepared and proposed.

27.12 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 2022-23

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 2022-23 have been prepared and proposed.

27.13 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 2022-23

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 2022-23 have been prepared and proposed.

27.14 Preparation of Electronic question Bank UG courses according to B.Tech SoE 2020 & 2022. To review solutions to all questions of Electronic Question Banks for all courses.

Electronic question bank UG courses according to B.Tech SoE 2020 are prepared/ updated. Solutions to all questions of Electronic Question Banks for all courses are reviewed.

27.15 To discuss and suggest the changes/additions/deletions/alterations in the existing

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Evaluation Process for theory and other courses.

No changes have been suggested.

27.16 To discuss and propose scheme for Minor and Honor course and its syllabus. Discussed and proposed Certificate courses and value added courses in 2022-23.

No changes have been proposed for Honor course and its syllabi.

Following Certification courses and Value added courses were proposed and approved by experts.

- VLSI front end and back end design for Industry of duration 30 Hrs
- Machine Learning with practical application using Python of duration 30 Hrs
- Advanced CMOS VLSI Design of duration 30 Hrs

27.17 Any other matter with the permission of the Chair.

Chairman was authorized to finalize the SOE.

The meeting concluded with thanks to the Experts.

Dr. M.S. Dorle
Member Secretary
BoS, ET

Dr. M.S. Narlawar
Chairman & HoD, ET

Approved By: BoS Electronics & Telecommunication Engg.

Computer Technology



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Department of Computer Technology

Boards of Studies in Computer Technology

Minutes of the Meeting No. 29

Date: 17th Aug 2022

Meeting no. 29 of the Board of Studies was held on 17th Aug. 2022 at 10.30 A.M. in the Department Library of Computer Technology Department.

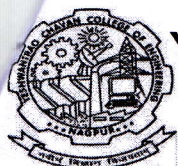
The meeting was attended by the following expert members of BoS.

External Members:

S. N.	Name of Honorable External Member	Expert From	Signature
1.	Prof. (Dr.) U. A. Deshpande, Professor, CSE, VNIT, Nagpur	Academia	
2.	Mr. Ajit Dharmik, Director, 6 Simplex Software Solutions Pvt. Ltd., Nagpur	Industry	
3.	Mr. Vaibhav Deshpande, Assistant Professor, CE Dept. SVP CET, Nagpur	PG Alumni	Leave of absence granted

BoS Members:

Sr. No.	Name of Member	Sr. No.	Name of Member
1.	Dr. R. D. Wajgi	2.	Prof. (Dr.) Manali Kshirsagar *
3.	Dr. N. V. Thakur	4.	Dr. Arvind Bhagat Patil *
5.	Dr. Kavita Singh *	6.	Dr.S.J.Karale
7.	Dr.Gauri Dhopavakar	8.	Dr. P. Deshkar
9.	Gauri Chaudhary *	10.	Mrs. Smita R.Kapse
11.	Ms.R.S.Khedgaonkar	12.	Mr. P.V. Barekar
13.	Mr. Ganesh Yenurkar	14.	Mr.Nilesh Sambhe
15.	Mrs. S. S. Thombre	16.	Mr. N.S. Mangrulkar
17.	Mr. R. S. Bhanuse	18.	Mr. G. Vaidya
19.	Mrs. Neha Kadu	20.	Mr.Sanjay Pande
21.	Mrs.P.Moon	22.	Ms. Charvi Suri
23.	Mrs.S.Gabhane	24.	Ms.A.Pimpalkar
25.	Mrs.S.Jain	26.	Mrs.A. Shahakar
27.	Ms.Oshin Shende	28.	Mrs.L.R.Tembhare
29.	Mrs.S.Kawale	30.	Ms.S.Sarwate
31.	Ms.S.Roakde		*Leave of absence granted



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The following agenda points were deliberated in the meeting

29.01	Welcome of new members Dr. R. D. Wajgi welcome all New Members							
29.02	Installation of member Secretary Dr. R. D. Wajgi welcome new member secretary Prof. (Dr.) N. V. Thakur							
29.03	To confirm the minutes of 28 th Meeting of BoS. The minutes of the 28th Meeting of BoS in Computer Technology were placed on the table by Chairman Dr. R. D. Wajgi were confirmed unanimously.							
29.04	To discuss and suggest the action taken on i) Co/Po attainment of subjects taught in previous semester							
	Type		Direct		Indirect		Total	
	Weightage		80%		20%			
	Attainment Parameters		TH+PR		Survey			
	PO1	T	2.64	90.25%	3.00	100.00%	2.82	88.76 %
		A	2.38		3.00		2.51	
	PO2	T	2.54	87.60%	3.00	80.00%	2.77	81.55 %
		A	2.22		2.40		2.26	
	PO3	T	2.54	84.57%	3.00	83.33%	2.77	80.06 %
		A	2.15		2.50		2.22	
	PO4	T	2.38	84.16%	3.00	86.67%	2.69	78.85 %
		A	2.00		2.60		2.12	
	PO5	T	2.71	84.64%	3.00	83.33%	2.86	81.81 %
		A	2.30		2.50		2.34	
	PO6	T	1.97	79.67%	3.00	86.67%	2.48	71.41 %
		A	1.57		2.60		1.77	
	PO7	T	1.88	115.73%	3.00	91.67%	2.44	93.78 %
		A	2.17		2.75		2.29	
	PO8	T	1.92	92.89%	3.00	91.67%	2.46	80.31 %
		A	1.78		2.75		1.97	
	PO9	T	2.31	94.95%	3.00	93.33%	2.66	87.21 %
		A	2.20		2.80		2.32	



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PO10	T	1.72	93.84%	3.00	91.67%	2.36	78.05%
	A	1.62		2.75		1.84	
PO11	T	2.39	105.31%	3.00	93.33%	2.69	95.48%
	A	2.52		2.80		2.57	
PO12	T	2.46	90.88%	3.00	91.67%	2.73	85.65%
	A	2.23		2.75		2.34	
PSO1	T	2.64	87.69%	3.00	93.33%	2.82	85.49%
	A	2.31		2.80		2.41	
PSO2	T	2.37	86.08%	3.00	91.11%	2.69	81.18%
	A	2.04		2.73		2.18	

Improvement needed for PO6, PO9, PO10

ii) Result analysis of subjects taught in previous semester

Sr. No.	Semester	Total Appeared	Total Passed	Pass %
1.	IV	151	122	80.75
2.	VI	158	141	89.24
3.	VII	154	154	100

iii) Stake holder's feedback on review and design of curriculum

Stakeholder	Suggestions given	Action taken
Alumni Feedback	Courses can be added : <ul style="list-style-type: none"> • Big Data • Java • Cloud Computing • AIML • Sales force • Crypto chain/Blok chain • New Technologies (SAP) • Data Science More focus Practical	<ul style="list-style-type: none"> • Cloud Computing is already included in SoE 2018 • Salesforce is already included in SoE 2018 • Student Development Program on Blockchain technology is conducted • Value Added Course is planned for 2022-23 session on SAP (Systems Applications and Products in data processing) • Data Science related courses like MFDA, BI, ML, Elements of AIML etc. are included in SoE22 •
Employer Feedback	Courses can be added: <ul style="list-style-type: none"> • Cyber Security specialization course 	<ul style="list-style-type: none"> • Communication related to syllabus of Cyber Security aligned with industry is ongoing • Cyber Physical Systems course is included in SoE22 as PE



Department of Computer Technology

	Faculty Feedback	Courses Need Modification <ul style="list-style-type: none">• Python Programming Lab : need more hours• Essentials of IT• Data Mining• Computer Architecture And Organization• Introduction to Salesforce• Design Patterns	<ul style="list-style-type: none">• Incorporated in SoE22• Modifications/revisions are done in association with concerned course teachers									
<p>iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum</p> <table border="1" data-bbox="334 824 1313 954"><thead><tr><th>Sr. No.</th><th>In Sem (No. of Faculty)</th><th>End Sem (No. of Faculty)</th></tr></thead><tbody><tr><td>>=80 %</td><td>21</td><td>22</td></tr><tr><td><=60%</td><td>01</td><td>NIL</td></tr></tbody></table>				Sr. No.	In Sem (No. of Faculty)	End Sem (No. of Faculty)	>=80 %	21	22	<=60%	01	NIL
Sr. No.	In Sem (No. of Faculty)	End Sem (No. of Faculty)										
>=80 %	21	22										
<=60%	01	NIL										
29.05	<p>To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 and Autonomous 2020 of the Undergraduate and Post graduate programs conducted under the Board . To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech.</p> <p>Suggestions for SoE Autonomous 2018 UG :</p> <ul style="list-style-type: none">• Syllabus of Web Technology, DBMS, Cloud Computing should be revised• UI/UX design to be introduced as PE <p>Suggestions for SoE 2022 UG :</p> <ul style="list-style-type: none">• Tutorial to be added• Syllabus of Elements of AIML, Web Technology Lab, DMPT, MFDA, DBMS, Cloud Computing , AWT Lab should be revised• Distributed System content should be added in Cloud Computing Course• Software Testing Course should be added in SoE 2022• Remove Linear Programming and Operation Research Courses and make it as the part of Optimization and rename the Course as Operations Research and Optimization• Balancing and distribution of credits should be done properly <p>No Change in SoE of PG</p>											
29.06	<p>To discuss and suggest the minor changes in the syllabi of various courses in Autonomous Autonomous 2018 Schemes of undergraduate and post graduate programs conducted under the Board.</p>											



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	<ul style="list-style-type: none">• Update the syllabus content of DBMS with advanced SQL with cloud instances, Postgresql to be included in DBMS Lab• Add distributed system concepts in Cloud Computing Course, and Jio cloud, Open stack to be explored in lab• Update the content of Web Technology Lab: Remove asp.net and add javascript, typescript along with existing HTML and CSS in Web Technology Lab• Nodejs to be introduced in AWT course
29.07	<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>Following Books should be added as the Text and Reference Books for the concerned Courses:</p> <ul style="list-style-type: none">• Mathematics for Computer Science by Albert Mayer• Introduction to Linear Algebra by Gilbert Strang• Deep Learning using Python by François Chollet• Symbolic Logic and Mechanical Theorem Proving by Chin-Liang Chang, Richard Lee
29.08	<p>To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under and Post Graduate programs.</p> <ul style="list-style-type: none">• Lab designing in collaboration with industry experts• Application-based practical list to be prepared for all courses
29.09	<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">• 50:50 for Theory evaluation and 60:40 for Lab evaluation• Industry experts can be invited for External evaluation during ESE practical examination• Per course one external paper setter is required
29.10	<p>To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum.</p> <p>Suggested new courses are:</p> <ul style="list-style-type: none">• Technical Writing• Ethics in Engineering Practice /Professional Ethics
29.11	<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</p>



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	<p>Examination of Odd Term 2022-23.</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 2022-23 was constituted.</p>
29.12	<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 2022-23.</p> <p>The panel of paper setters, Moderators and Valuers for the various theory courses at Postgraduate programs for End Semester Examination of Odd Term 2022-23 was constituted.</p>
29.13	<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 2022-23.</p> <p>The panel of internal and external examiners for the various laboratory courses at UG and PG levels for End Semester Examination of Odd Term 2022-23 is ongoing.</p>
29.14	<p>Preparation of Electronic question Bank UG courses according to SoE 2018 To review solutions to all questions of Electronic Question Banks for all courses</p> <p>Preparation of Electronic question Bank for all semesters is ready Solutions of few courses is ready and few courses partially ready</p>
29.15	<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">• 50:50 for Theory evaluation and 60:40 for Lab evaluation• For lab it can be 80: 20 or 100 marks based on continuous assessment• External evaluation of lab can be done by industry experts• Lab designing can be done in collaboration with industry experts
29.16	<p>To discuss and propose scheme for Minor an Honor course and its syllabus. Discussed and proposed Certificate courses and value added courses in 2022-23.</p> <p>Suggestions for Minor in CSE</p> <ul style="list-style-type: none">• In place of Operating System, Object Oriented Programming is added in the Minor scheme for 5th semester. <p>Names of the Honor Programs are changed, and its syllabus is modified accordingly. New proposed names of the Honor Program are</p> <ul style="list-style-type: none">• Honors in Machine Learning Specialization



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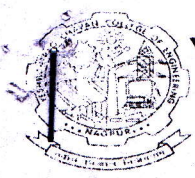
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	<ul style="list-style-type: none">• Honors in Data Science• Honors in AI (NPTEL) <p>Proposed list of Value-added courses:</p> <ul style="list-style-type: none">• Advancement in Image and Video Processing• Advancement in AI technologies• SAP (Systems Applications and Products in data processing)• Data Analytics and Visualization
29.17	<p>Any other matter with the permission of the Chair</p> <p>Formal Thanks to External Experts on behalf of the BoS Chairman, BoS Members, and member secretary.</p>

The meeting concluded by vote of thanks by chairperson, BoS of Computer Technology

Prof. N.V. Thakur
Member Secretary
BoS Computer Technology

Dr. R. D. Wajgi
Chairperson
BoS Computer Technology



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Department of Computer Technology

Boards of Studies in Computer Technology

Minutes of the Meeting No. 30

Date: 4th Feb 2023

Meeting no. 30 of the Board of Studies was held on 4th Feb 2023 at 10.00 A.M. in the Department Library of Computer Technology Department.

The meeting was attended by the following expert members of BoS.

External Members:

S. N.	Name of Honorable External Member	Expert From	Signature
1.	Prof. Dr. U. A. Deshpande, Professor, CSE, VNIT, Nagpur	Academia	Leave of absence granted
2.	Prof. Dr. D. S. Adane, Professor, RKNECE, Nagpur	VC Nominee	
2.	Mr. Ajit Dharmik, Director, 6 Simplex Software Solutions Pvt. Ltd., Nagpur	Industry	
3.	Mr. Vaibhav Deshpande, Assistant Professor, CE Dept. SVP CET, Nagpur	PG Alumni	

BoS Members:

Sr. No.	Name of Member	Sr. No.	Name of Member
1.	Dr. R. D. Wajgi	2.	Prof. (Dr.) Manali Kshirsagar *
3.	Dr. N. V. Thakur	4.	Dr. Arvind Bhagat Patil
5.	Dr. Kavita Singh	6.	Dr. S. J. Karale*
7.	Dr. Gauri Dhopavakar	8.	Dr. P. Deshkar
9.	Gauri Chaudhary *	10.	Mrs. Smita R. Kapse
11.	Ms. R. S. Khedgaonkar	12.	Mr. P. V. Barekar*
13.	Mr. Ganesh Yenurkar*	14.	Mr. Nilesh Sambhe*
15.	Mrs. S. S. Thombre	16.	Mr. N. S. Mangrulkar
17.	Mr. R. S. Bhanuse	18.	Mr. G. Vaidya
19.	Mrs. Neha Kadu	20.	Mr. Sanjay Pande
21.	Mrs. P. Moon	22.	Ms. Charvi Suri
23.	Mrs. S. Gabhane	24.	Ms. A. Pimpalkar
25.	Mrs. S. Jain	26.	Mr. A. Arjunker
27.	Mrs. S. Kawale	28.	Mrs. L. R. Tembhare
29.	Mrs. S. Sahare	30.	Ms. S. Sarwate
31.	Mrs. P. Binalwar	32.	Ms. S. Borkar
			*Leave of absence granted



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Department of Computer Technology

The following agenda points were deliberated in the meeting

30.01	Welcome of new members Dr. R. D. Wajgi welcome all New Members
30.02	Installation of member Secretary
30.03	To confirm the minutes of 29 th Meeting of BoS. The minutes of the 29th Meeting of BoS in Computer Technology were placed on the table by Chairman Dr. R. D. Wajgi were confirmed unanimously.

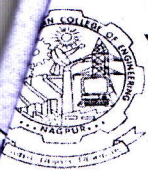
- 30.04 To discuss and suggest the action taken on
- To discuss and suggest the action taken on PO-CO Analysis and attainment**

Ongoing
 - Stake holder's feedback on review and design of curriculum**

Stakeholder	Suggestions given	Action taken
Alumni Feedback	Contents can be added : <ul style="list-style-type: none">React JS, Node JSData SecurityAngular JSJavaMongoDB	<ul style="list-style-type: none">VAC conducted on Angular 122 Days SDP on Java conductedCase study on no SQL database added in DBMS
Faculty Feedback	Courses Need Modification <ul style="list-style-type: none">Web TechnologyDBMSCAOCN	<ul style="list-style-type: none">Incorporated in SoE22Modifications/revisions are done in association with concerned course teachers

iii. **In Sem, End Sem and Exit feedback on Teaching Learning & curriculum**

Sr. No.	In Sem (No. of Faculty)	End Sem (No. of Faculty)
>=80 %	29	30
<=60%	01	NIL



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iv. Result analysis of subjects taught in previous semester.

Sr. No.	Semester	Total Appeared	Total Passed	Pass %
1.	V	148	121	81.76
2.	VII	156	144	92.31

30.05 To discuss and suggest the changes in the Scheme of Examination (known as Autonomous B.Tech 2020 & SoE 2022) of the Undergraduate and Post graduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B.Tech / M.Tech I & II year

Suggestions for SoE Autonomous 2020 UG :

- Syllabus of Advanced Data Structures, DBMS, Web Technology, Computer Architecture and Organization, Computer Network should be revised.

Suggestions for SoE 2022 UG : Final Audit course for SoE 2022

III rd Sem Audit course on Document Presentation and Computation.

IV th Sem Audit Course on Data Visualization

No Change in SoE of PG

30.06 To discuss and suggest the minor changes in the syllabi of various courses in BTech SoE 2020 Schemes of undergraduate and post graduate programs conducted under the Board.

- Syllabus of Advanced Data Structures, DBMS, Web Technology, Computer Architecture and Organization, Computer Network should be revised.

30.07 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

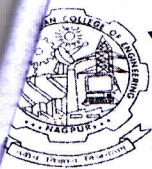
30.08 To discuss and approve the list of experiments, wherever there is a change, in the laboratory courses of Under and Post Graduate programs.

- Add one Practical on Protocol Design (SNMP) in Computer Network

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

No Change

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



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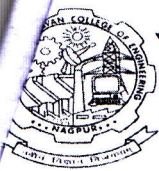
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Department of Computer Technology

No Change																																																				
30.11	<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/Even Term 2022-23.</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 First Year and III Sem 2022-23 was constituted and Even Term 2022-23 is ongoing.</p>																																																			
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30.13	<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/Even Term 2022-23.</p> <p>The panel of internal and external examiners for the various laboratory courses at UG and PG levels for End Semester Examination of Odd Term First Year 2022-23 is ongoing.</p>																																																			
30.14	<p>Preparation of Electronic question Bank UG courses according to SoE 2020 and SoE2022 To review solutions to all questions of Electronic Question Banks for all courses</p> <p>Preparation of Electronic question Bank for all semesters is ready Solutions of few courses is ready and few courses partially ready EQB with Solution of newly introduced courses and PE is ongoing Total Core Courses of Department : 17 Total Professional Elective courses : 09</p> <table border="1"> <thead> <tr> <th rowspan="2">Sr.No</th> <th rowspan="2">Semester</th> <th rowspan="2">Course Code</th> <th rowspan="2">Title of the course</th> <th rowspan="2">Type of course PC/PE</th> <th colspan="2">Remarks</th> </tr> <tr> <th>EQB</th> <th>Solution</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>3rd Sem</td> <td>CT2201</td> <td>CAO</td> <td>PC</td> <td>Available</td> <td>Available</td> </tr> <tr> <td>2.</td> <td>3rd Sem</td> <td>CT2202</td> <td>DS</td> <td>PC</td> <td>Available</td> <td>Available</td> </tr> <tr> <td>3.</td> <td>3rd Sem</td> <td>CT2204</td> <td>OOP</td> <td>PC</td> <td>-</td> <td>Available</td> </tr> <tr> <td>4.</td> <td>4th Sem</td> <td>CT2251</td> <td>OS</td> <td>PC</td> <td>Available</td> <td>Available</td> </tr> <tr> <td>5.</td> <td>4th Sem</td> <td>CT2253</td> <td>ADS</td> <td>PC</td> <td>Available</td> <td>Available</td> </tr> <tr> <td>6.</td> <td>4th Sem</td> <td>CT2255</td> <td>MFDA</td> <td>PC</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Sr.No	Semester	Course Code	Title of the course	Type of course PC/PE	Remarks		EQB	Solution	1.	3 rd Sem	CT2201	CAO	PC	Available	Available	2.	3 rd Sem	CT2202	DS	PC	Available	Available	3.	3 rd Sem	CT2204	OOP	PC	-	Available	4.	4 th Sem	CT2251	OS	PC	Available	Available	5.	4 th Sem	CT2253	ADS	PC	Available	Available	6.	4 th Sem	CT2255	MFDA	PC	-	-
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7.	4 th Sem	CT2257	DBMS	PC	Available	Available
8.	5 th Sem	CT2301	CN	PC	Available	Available
9.	5 th Sem	CT2303	TFCS	PC	Available	Available
10.	6 th Sem	CT2351	DAA	PC	Available	Available
11.	6 th Sem	CT2353	LP	PC	Available	Available
12.	6 th Sem	CT2355	SE	PC	Available	Available
13.	7 th Sem	CT2401	AI	PC	Available	Available
14.	7 th Sem	CT2403	NS	PC	Available	Available

Sr.No	Semester	Course Code	Title of the course	Type of course PC/PE	Remarks	
					EQB	Solution
1.	5 th Sem	CT2313	MOS	PE	Available	-
2.	6 th Sem	CT2361	DIP	PE	Available	Available
3.	6 th Sem	CT2365	BI	PE	Available	-
4.	6 th Sem	CT2364	IoT	PE	Available	Available
5.	7 th Sem	CT2411	NNFL	PE	Available	Available
6.	7 th Sem	CT2415	BI	PE	Available	-
7.	7 th Sem	CT2425	ML	PE	Available	Available
8.	7 th Sem	CT2435	CC	PE	Available	Available
9.	7 th Sem	CT2412	AWN	PE	Available	Available

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

- **No Change**

30.16 To discuss and propose scheme for Minor an Honor course and its syllabus. Discussed and proposed Certificate courses and value added courses in Even Term 2022-23.

Change the Name of Course Database modeling as Data Modeling

NPTEL course can be added for Honors Program

Seminar-Workshop-Training programming conducted from July 2022 to January 2023

SN	Title	Type	Date	Beneficiary
1.	Guest Lecture on Engineering Mathematics	Guest Lecture (GATE)	31/01/2022	32
2.	Coding Olympiad	Coding Contest	24/01/2023	277
3.	Guest Lecture on Algorithms	Guest Lecture (GATE)	20/01/2022	32
4.	Guest Lecture on Programming and Data Structure	Guest Lecture (GATE)	20/01/2022	32
5.	Guest Lecture on Computer Networks	Guest Lecture (GATE)	19/01/2022	32



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6.	Guest Lecture on Operating System	Guest Lecture (GATE)	18/01/2022	32
7.	Guest Lecture on Databases	Guest Lecture (GATE)	17/01/2022	32
8.	Python for Data Science	SDP	21/1/2023 to 22/1/2023	81
9.	SDP on Salesforce Technology	SDP	24/12/2022	50
10.	Seminar on Cloud Technology and Information Security and its Future Opportunities	Seminar	23/11/2022	34
11.	Workshop on Computer programming and IoT for Sai Ashram Students	Workshop	31/10/2022	18
12.	Guest Lecture on GIS	Guest Lecture	10/12/2022	39
13.	Seminar on Higher Studies	Seminar	12/10/2022	76
14.	Certification Program on Advancement in Techniques used for Data Science.	30Hrs Certification Course	10/9/2022 to 12/11/2022	156
15.	Intellectual Property Rights in Digital Words	Seminar	22/8/2022	60
16.	Carrier Guidance Seminar	Seminar	22/8/2022	58
30.17	Any other matter with the permission of the Chair			
Formal Thanks to External Experts on behalf of the BoS Chairman, BoS Members, and member secretary.				

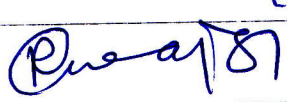

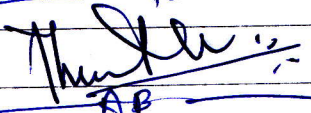
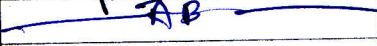


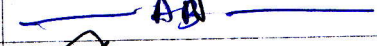


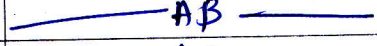





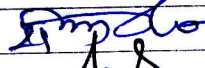




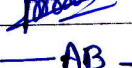
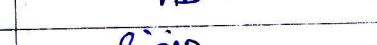
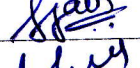


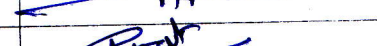
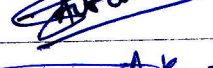

The meeting concluded by vote of thanks by chairperson, BoS of Computer Technology

Prof. N.V. Thakur
Member Secretary
BoS Computer Technology

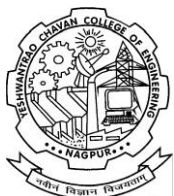
Dr. R. D. Wajgi
Chairperson
BoS Computer Technology

Department of Computer Technology

List of Faculty

Sr. No.	Name	Signature
1.	Dr. Rakhi D. Wajgi	
2.	Dr. Manali M. Kshirsagar	
3.	Dr. Nilesh Singh V. Thakur	
4.	Dr. Arvind R. Bhagat Patil	
5.	Dr. Kavita R Singh	
6.	Dr. Shivkumar J. Karale	
7.	Dr. Gauri M. Dhopavkar	
8.	Smita R. Kapse	
9.	Roshni S. Khedgaonkar	
10.	Gauri A. Chaudhary	
11.	Nilesh U. Sambhe	
12.	Dr. Prarthana A. Deshkar	
13.	Supriya Thombre	
14.	Praful V. Barekar	
15.	Nikhil Mangrulkar	
16.	Roshan S. Bhanuse	
17.	Ganesh K. Yenukar	
18.	Sanjay P. Pande	
19.	Gendlal M. Vaidya	
20.	Charvi S. Suri	
21.	Pradnya S. Moon	
22.	Archana S. Pimpalkar	
23.	Shweta N. Jain	
24.	Lata R. Tembhare	
25.	Shubhangi Shambharkar	
26.	Shruti G. Sarwate	
27.	Sharayu R. Kawale	
28.	Shubhangi M. Borkar	

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YCCE/IT/FORMAT/BOS/MOM/30

04/02/2023

Minutes of BOS Meeting

The **thirtieth meeting** of the Board of Studies in **Information Technology** was held on Saturday, **04th Feb 2023 in online mode** on Google Meet Platform (**link:**) at 11.00 a.m. onwards

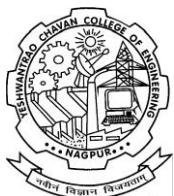
The meeting was attended by the following members of BoS.

External Members

Sr. No.	Name of Honorable External Member	Position held in BoS
1	Dr. U. A. Deshpande Prof. CSE VNIT, Nagpur	External Expert
2	Mr. Abhishek Nachankar, Member PG Alumni	External Expert

BoS Members

Sr. No.	Name
1.	Dr. R. C. Dharmik, Chairman
2.	Dr. U. H. Gawande
3.	Dr. N. R. Wankhade , Member Secretary
4.	Dr. Swati G. Kale
5.	Mr. M. K. Hadap
6.	Mr. B. U. Bawankar
7.	Mr. A. D. Gaikwad
8.	Ms. P. G. Jaiswal
9.	Mrs. S. S. Gugulothu
10.	Mr. S. S. Chavhan
11.	Dr. Bhushan M. Manjre
12.	Ms. Kavita H. Gudadhe
13.	Ms. Warsha P. Sirskar
14.	Ms. Swapna M. Kamble
15.	Ms. ApurvaA. Bodkhe
16.	Ms. Rutuja B. Chirwatkar
17.	Ms. DivyaM. Kantode
18.	Ms. Vishakha D. Akhare
19.	Ms. Prerna C. Jawdand



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20.	Ms. Chandrayani N. Rokde
21.	Ms. Shweta M. Bokade
22.	Mr. Piyush G. Dhule
23.	Ms. Swapna D. Lokhande
24.	Ms. Pooja G. Dhawane
25.	Ms. Priti V. Matre
26.	Ms. Rita R. Bhawalkar
27.	Mr. Jagdish Yadav
28.	Ms. Payal D. Thakare
29.	Ms. Rakhi G. Doijad
30.	Ms. Kiran Gavhale

Leave of Absence is granted to the following Members:

1	Dr. P. S. Deshpande, Professor & Head, Deptt. of CSE, VNIT Nagpur
2	Mr. Sandesh Supekar, Manager, TCS Pune
3	Dr. Latesh Malik, Prof. CSE GCOE, Nagpur
4	Ms. Diksha D. Gabhane

Following are the minutes of the meeting:

Item No. 30.01

Welcome of new members

BoS Chairman Welcome the following external and internal members:

Mr. Jagdish Yadav

Item No. 30.02

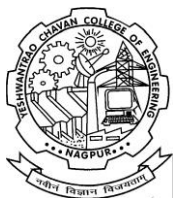
Installation of member Secretary

NIL

Item No. 30.03

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

Minutes of 29th BoS meeting were read by Member secretary and approved by the BoS unanimously.

**Department of Information Technology****Item No. 30.04**

To discuss and suggest the action taken on

i. Co/Po attainment of subjects taught in previous semester

The complete process of CO/PO attainment has been discussed with the BoS Experts. The experts appreciated and approved the process of attainment. On the basis of direct and indirect assessment, it is observed that all PO's and PSO's meet the attainment expectations. Therefore, no action is requiring to be taken. However, efforts will be taken to maintain this attainment in future.

POs, PSOs Attainment for Session 2022-2023(ODD) is in process

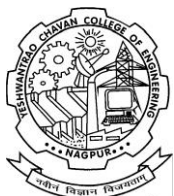
ii. Result analysis of subjects taught in previous semester – Exam is going on**iii. Stakeholders feedback on review and design of curriculum**

S.N.	Stakeholder	Feedback	Action Taken
1.	Parent	Give pointers to students to extent their course knowledge	Student development programs are scheduled on Virtualization on cloud computing, Reinforcement learning, Introduction to NLTK, Vedic maths.
2	Industry	Include research-oriented case study	Implement through case studies in the course like Machine Learning, IOT.
3	Alumni	add the courses in view of current demand of industry	Planned VAC on Self-Service BI
		Students must have awareness about ethical hacking	Planned VAC on Ethical Hacking
4	Faculty	Improve analytical and practical skill	Added project-based learning in OOP, IOT, DBMS, BI, HCI and ML.

iv. In-Sem, End-Sem and Exit feedback on Teaching Learning & Curriculum

All feedback has been discussed with BoS Experts.

Semester	No. of faculty with feedback more than 90%		No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%		No. of faculty with feedback less than 60%	
	In-sem	End-sem	In-sem	End-sem	In-sem	End-sem	In-sem	End-sem
III	02/10	-	05/10	-	03/10	-	-	-



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V	02/08	03/08	06/08	05/08	-	-	-	-
VII	09/11	07/11	02/11	03/11	-	01/11	-	-

As feedback on teaching learning is above 60%, BoS experts appreciated and asked to maintain the same.

Item No. 30.05

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous - B.Tech. 2020 & SoE 2022) of the Undergraduate program conducted under the Board and to approve and ratify SoE22 and all syllabi of B.Tech / M.Tech I & II year

Scheme of Examination (known as Autonomous -2018 & B.Tech. 202021) of the Undergraduate program discussed and approved.

Following changes was suggested in the scheme of 2022

- Machine Learning course shift to 6th semester as core course
- Principles of Artificial Intelligence course shift to 7th semester.

Item No. 30.06

To discuss and suggest the minor changes in the syllabi of various courses in B.Tech 2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Minor changes in the syllabus of following courses are accepted by the expert members:

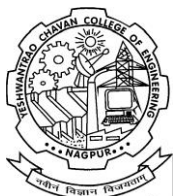
SEM	Course	Suggestions
3	Introduction to Data Science	Add topics on Analysis of Variance (ANOVA) Explanation, Formula, and Application. Case Study based on Exploratory Data Analytics

Item No. 30.07

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.

Books/ Reference Books/ Literature Sources published in the syllabi of courses is reviewed and approved.

Item No.30.08



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

Item No. 30.09

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

Item No. 30.10

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

Item No. 30.11

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 2022-23.

The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs for End Semester Examination of EVEN Term 2022-23 was constituted.

Item No. 30.12

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 2022-23 - NA

Item No. 30.13

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 2022-23.

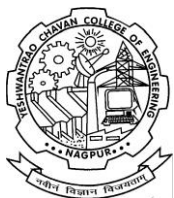
The panel of internal and external examiners for the various laboratory courses at UG level for End Semester Examination of EVEN Term 2022-23 was constituted.

Item No. 30.14

Preparation of Electronic question Bank for core UG courses.

STATUS OF QUESTION BANKS WITH SOLUTION SET AVAILABLE FOR SESSION 2022-23 ARE AS UNDER:

SR. NO.	Semester	Sub_code	Subject name	Name of Faculty	E-Question Bank status [completed/not completed]	Solution set status
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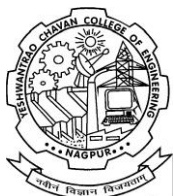
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1	1 st/2nd	IT2101	Introduction to Computer Programming	Prof.B.U.Bawankar	Completed	In-process
2	3rd	IT2201	Digital Circuits & Microprocessors	Prof. S.S.Goguluthu/ Kavita Gudadhe	In-process	-
3		IT2203	Object Oriented Programming	Prof. N.R.Wankhade	Completed	In-process
3		IT2205	Data Structures and Program Design-I	Prof.B.U.Bawankar/ Prof.S.S.Chavhan	Completed	In-process
4		IT2207	Computer Architecture & Organization (Self -Learning-Online)	Prof. S.G.Kale/ K.R. Gavhale	Completed	In-process
5	4th	IT2251	Data Structures and Program Design-II	Prof.S.W.Shende/Prof.S.S.C havhan	Completed	In-process
6		IT2253	Computer Networks	PROF.A.D. GAIKWAD	Completed	In-process
7		IT2255	Operating Systems	K.R. Gavhale, Rutuja Chirwatkar	Completed	In-process
8		IT2257	Theory of Computation	Prof. B.U.Bawankar	Completed	In-process
9	5th	IT2301	Data Base Management Systems	Prof. P. G. Jaiswal	Completed	In-process
10		IT2303	Software Engineering (Self - LearningOnline)	PROF.A.D.GAIKWAD	Incomplete	-
11		IT2311	PE I: Web Programming	Prof. S.G.Kale	Completed	-
12		IT2313	PE I: Data Analysis and Statistics	-	-	-
13		IT2315	PE I: Customer Relationship Management	PROF.A.D.GAIKWAD	Incomplete	-
14		IT2321	OE I: Industry 4.0	Prof. S.S.Goguluthu	-	-
15		IT2322	OE I: Core JAVA	Prof. N.R.Wankhade	Completed	In-process
16		IT2331	OE II: Introduction to Machine Learning	Prof.S.S.Chavhan/Dr.U.H.Ga wande	Completed	Completed
17		IT2332	OE II: Information Security	Prof. S.G.Kale/Prof. P. G. Jaiswal	-	-
18	6th	IT2351	Design & Analysis of Algorithms	Prof. N.R.Wankhade	Completed	In-process
19		IT2353	Principles of Compiler Design	Dr. R. C. Dharmik	Completed	Completed
20		IT2361	PE II::Machine Learning	Dr.U.H.Gawande	Completed	Completed
21		IT2363	PE II: Business Intelligence	Prof. P. G. Jaiswal	-	-
22		IT2365	PE II: Internet of Things	Prof. S.S.Goguluthu/ Divya Kantode	-	-
23		IT2371	OE-III: Industry 4.0	Prof. S.S.Goguluthu	-	-
24		IT2372	OE-III : Core JAVA	Prof. N.R.Wankhade	Completed	In-process
25		IT2381	OE-IV : Introduction to Machine Learning	Prof.S.S.Chavhan/Dr.U.H.Ga wande	Completed	Completed
26		IT2382	OE-IV : Information Security	Prof. S.G.Kale	-	-
27		7th	IT2401	Data Mining	Prof. P. G. Jaiswal	Completed
28	IT2403		Principles of Artificial Intelligence	Prof. S.G.Kale	In-process	-
29	IT2411		PE III: Cloud Computing	Dr. R. C. Dharmik	Completed	In-process
30	IT2412		PE III:Real Time Systems	Prof.S.W.Shende	Completed	In-process
31	IT2413		PE III: Network Security	Prof. S.G.Kale	Completed	-
32	IT2414		PE III: Information Retrieval	-		
33	IT2421		PE IV: Neural Network and Fuzzy Logic	Dr.U.H.Gawande	Completed	In-process



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Department of Information Technology

34	IT2423	PE IV: Ethical Hacking and Cyber Forensics	-	-	-
35	IT2425	PE IV: Human Computer Interaction	-	-	-
36	IT2427	PE IV: Parallel Computing	Prof.S.W.Shende	In-process (First Time Offered)	In-process
37	IT2431	PE V: Digital Image Processing	Dr.U.H.Gawande	Completed	In-process
38	IT2432	PE V: Distributed Systems	ADG/SSC/PGJ	-	-
39	IT2433	PE V: Coding Standard and Technical Documentation	Not Offered	-	-
40	IT2441	PE VI: Advanced Computer Architecture	Not Offered	-	-
41	IT2442	PE VI: Mobile Communication	Prof. Hadap sir	Completed	Completed
42	IT2443	PE VI: E-commerce	Not Offered-	-	-
43	IT2444	PE VI: Natural Language Processing	Prof. S.G.Kale	Completed	-

Item No. 30.15

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

Item No. 30.16

To discuss and propose scheme for Minor an Honor course and its syllabus. Discussed and proposed Certificate courses and value added courses in 2022-23. - Two VAC courses proposed 1. Self-service BI and Ethical Hacking

Item No. 30.17

Any other matter with the permission of the Chair- NIL

The meeting concluded by vote of thanks by chairperson, BoS of Information Technology.

Prof. Nisha R. Wankhade
Member Secretary,
Bos in Information Technology

DR. R. C. Dharmik
Chairman,
BoS in Information Technology

Computer Science & Engineering



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YCCE/CSE/FORMAT/BOS/MOM/4

30/01/2023

Minutes of BOS Meeting

Fourth Meeting of the Board of Studies in Computer Science & Engineering was held on Monday, 30/01/2023 at 10.30 am. in offline mode at Board room Information Technology department.

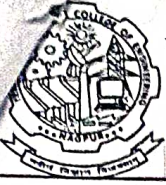
The meeting was attended by the following members of BoS.

External Members

Sr. No.	Name of Honorable External Member	Position held in BoS	Sign
1.	Dr. P.S.Deshpande	External Expert	

BoS Members

Sr. No.	Name of Member	Sign
1	Dr. Lalit Damahe	
2	Dr. K.K.Bhoyar	
3	Mrs. R.A.Fadnavis	
4	Mr. Fazil Sheikh	
5	Mrs. P.P. Wagale	
6	Mr. Jivan N. Dehankar	
7	Mrs. Punam S. Mahakalkar	
8	Mr. Rushikesh M. Shete	
9	Mrs Bharati Karare	
10	Mrs. V.N. Bagade	
11	Mrs. C.A.Tripathi	
12	Mrs. A.T. Paul	
13	Ms. R.P. Suryavanshi	
14	Mrs. Kavita A. Kathane	
15	Ms. Renuka Kadu	
16	Mrs. S. B. Meshram	
17	Mrs. N.P. Giradkar	
18	Ms. Roshni Bhave	
19	Mrs. Shraddha G.Vaidya	
20	Mr. Sachin Janbandhu	
21	Ms. Kalyani Karule	
22	Ms. Ashwini Nagpure	
23	Ms. Sharayu Sangekar	
24	Ms. Gayatri Bhoyar	



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Leave of Absence was granted to following members:

Sr. No.	Name of Member
1.	Dr. U. A. Dcshpande, External Expert
2.	Dr. D.A Adane,RTMNU nominee
3.	Mr.Swapnil Dcshmukh, External Expert

Following are the minutes of the meeting:

Item No. 4.01

Welcome of new members

BoS Chairman Dr. Lalit Damahe welcome all the external and internal members.

Item No. 4.02

Installation of member Secretary

- no change

Item No. 4.03

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

ATR available in Annexure -I

Item No. 4.04

To discuss and suggest the action taken on

i.Co/Po attainment of subjects taught in previous semester

ii.Result analysis of subjects taught in previous semester

iii.Stakeholders feedback on review and design of curriculum

iv.In Sem,EndSem and Exitfeedback on Teaching Learning & curriculum

i) **CO/PO attainment** for odd semester 2022-23- V semester CSE semester was shown to BOS expert members . CO/PO attainment of III semester CSE and CSE- AIML is in progress since ESE is to be over .

ii) **Result analysis of subjects taught in previous semester.**

The overall and subject wise result analysis of ODD Term 2022-23 has been shown to the BoS Experts. Experts appreciated the efforts taken by the faculty for good results.

S.N	Semester	Pass %
1	IV	89.54
2	V	96.26

As the results of Vsemester are above 80%, No action required to be taken



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iii) Stake holders feedback on review and design of curriculum -

S.N.	Stakeholder	Feedback	Action Taken
1.	Parent	Require Common Room for girls	Discussed with higher Authority
		Conduct Sports Activities	Annual calender of RTMNU sports is circulated to students
		Overall Curriculum is appreciated by parents	-
2	Faculty	Database Management System- Indexing and Hashing should include in Syllabus	Proposed in BoS meeting and Approved

iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum.

All feedback of ODD semester- 2022-23- V semester CSE and III semester CSE and CSE-AIML has been discussed with BoS Experts.

Sem	No. of faculty with feedback more than 90%		No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%		No. of faculty with feedback less than 60%	
	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem
IV	6/7	7/7	01/7	-	-	-	-	-
V	7/7	5/7	-	2/7	-	-	-	-
III	1/6	-	5/6	-	-	-	-	-
III (AIML)	1/3	-	1/3	-	1/3	-	-	-

As feedback on teaching learning is above 60%, BoS experts appreciated and asked to maintain the same.

Item No. 4.05

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 202021) of the Undergraduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B. Tech.



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SoE B.Tech 2020 :

IV	AIML2256- Design Analysis and Algorithms	4 Credits can be given
semester	Course	Suggestions
VI	CSE2553: Compiler	4 credits can be given

SoE22 :

NEP CSE(AIML)SoE22-23 was verified by experts . Following suggestions were given :

1. Audit course -Add Courses as Yoga, meditation in SoE- CSE and CSE-AIML

Item No. 4.06

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech 2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Minor changes in the syllabus of following B.Tech SoE2020 -VI Semester subject are suggested by the expert members:

1. Make Internet of things and Web Technology Courses to be Industry Aligned.
2. Take Offline Classes/ labs for Industry aligned course -Mobile Operating system

No changes suggested in the syllabus of IV Semester CSE (AIML)SOE2021- by the expert members

Item No. 4.07

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.

Minor changes in the books of following subject are suggested by the expert members:

semester	Course
V CSE & IV CSE(AIML)	CSE2302/AIML2259- Lab: Database Management System ("SQL & PL / SQL for Oracle 11g Black Book" as a Reference book)
VI	CSE2365-Lab:Neural Network and Application -Add Reference book for Practical- "Deep learning with python" by Francois Chollet



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Item No. 4.08

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

SoE B.Tech- 2020-21 scheme:

Semester	Course	Suggestions
V	CSE2302- Lab: Database Management Systems	<ul style="list-style-type: none">• Add Practicals based on Multiple Queries
IV	AIML2259- Database Management System	
VI	CSE2551:Computer Network	<ul style="list-style-type: none">• Minor Changes in Practical List
VI	CSE2361-Lab: PE-II Digital Image Processing	<ul style="list-style-type: none">• Implement 1-2 Practicals in Python• Add practicals based on applications on CCTV data
VI	CSE2363-Lab: Internet Of Things	<ul style="list-style-type: none">• Add practicals on creating Sensors based applications like gas sensors, ph sensors, etc.

Item No. 4.09

To discuss and suggest the changes in the Academic Regulations governing the Undergraduate programs conducted under the Board.- No suggestions

Item No. 4.10

To discuss and propose the new courses/MOOCs received from the faculty for inclusion in the curriculum. - As per Expert Suggestions no Requirement of MOOCs

Item No. 4.11

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 2022-23.

The panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs for End Semester Examination (Y11) of Even Term 2022-23 was constituted.

Item No. 4.12

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 2022-23 - NA



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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 2022-23 - NA

Item No. 4.13

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 2022-23.

The panel of internal and external examiners for the various laboratory courses at UG level for End Semester Examination (Y12) of Even Term 2022-23 was constituted.

Item No. 4.14

Preparation of Electronic question Bank for core UG courses.

List of Courses for which EQB is prepared :

SN	Semester	Course Name
1.	III	CSE2201: Computer Architecture and Organization
2.		CSE2202: Object Oriented Programming
3.		CSE2204: Data structure -I
4.	IV	CSE2255: Introduction to Data Analysis
5.		CSE2251: Operating System
6.		CSE2257: Theory Of Computation
7.	V	CSE2301: Database Management Systems
8.		CSE2303: Design & Analysis of Algorithms
9.		CSE2311: Business Intelligence
10.		CSE2313: Web Technologies
11.		CSE2317: Mobile operating System
12.	III (CSE AIML)	AIML2202: Formal Language & Automata Theory
13.		AIML2204: Data Structures
14.		AIML2206: Computer Architecture & Organisation

List of Courses for which EQB is to be prepared-

SN	Semester	Course Name
1.	CSE- IV	CSE2253: DataStructure 2
2.	CSE-VI	CSE2351: Computer Networks
3.		CSE2353: Compilers
4.		CSE2355: Software Engineering

**Department of Computer Science & Engineering**

		CSE2361:Digital Image Processing
6.		CSE2363:Internet of Things
7.		CSE2365:Neural Network and applications
8.	CSE-AIML-4	AIML2202: Formal Language & Automata Theory
9.		AIML2204: Data Structures
10.		AIML2206:Computer Architecture & Organisation

Item No. 4.15

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses- No suggestions

Item No. 4.16

To discuss and propose scheme for Minor and Honor course and its syllabus. To Discuss and propose Certificate courses and value added courses in 2022-23.

- Discussed about value added courses in 2022-23. No suggestions from expert.
- Expertise can be developed initially in department by collaborating with industry for Full stack developer and then can propose certificate course on it.

List of Value Added Courses

Sr. No.	Name of the VAC	Date	Duration of course	Number of students enrolled	Resource Person
1.	VAC on Python Programming for Data Science and ML	4 th Dec.- 19 th Dec., 2021	30 hours	275	Mr. Parag Dhawan, Mr. Rohit Joshi Mastersoft ERP Solution Pvt. Ltd.
2.	VAC on Data Analytics using Excel	16 th April – 1 st May 2022	30 hours	72	Mr. Sathyanarayana, Quality Theorem, Bangalore
3	VAC on Salesforce Administration	1 st Oct.- 5 th Nov. 2022	30 hours	93	Prof. J.N. Dehankar, YCCE, Nagpur
4	VAC on Data Analytics using Microsoft Excel	(24 th Dec 2022 to 22 nd Jan 2023-every weekend 6hours/day) 24/12,25/12,31/12,	30 hours	138	Mr. Sathyanarayana, Quality Theorem, Bangalore



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VAC Planned

Sr. No.	Name of the VAC	Date	Duration of course	Number of students enrolled	Resource Person
1.	VAC on Salesforce Development	Even Sem 2023	30 hours	-	Prof. J.N. Dehankar, YCCE, Nagpur
2.	VAC on Hands-on Animation using Adobe Flash	Odd Sem 2023	30 hours	-	Discussion is going on with Industry

Item No. 4.17

Any other matter with the permission of the Chair- Nil

Formal Thanks were given to External Experts on behalf of the BoS Chairman, BoS members and Member Secretary. The meeting concluded by vote of thanks by chairperson, BoS of Computer Science and Engineering

Prof. Rupa Fadnavis

Member Secretary

BoS in CSE

Dr. L.B. Damahe

Chairman

BoS in CSE



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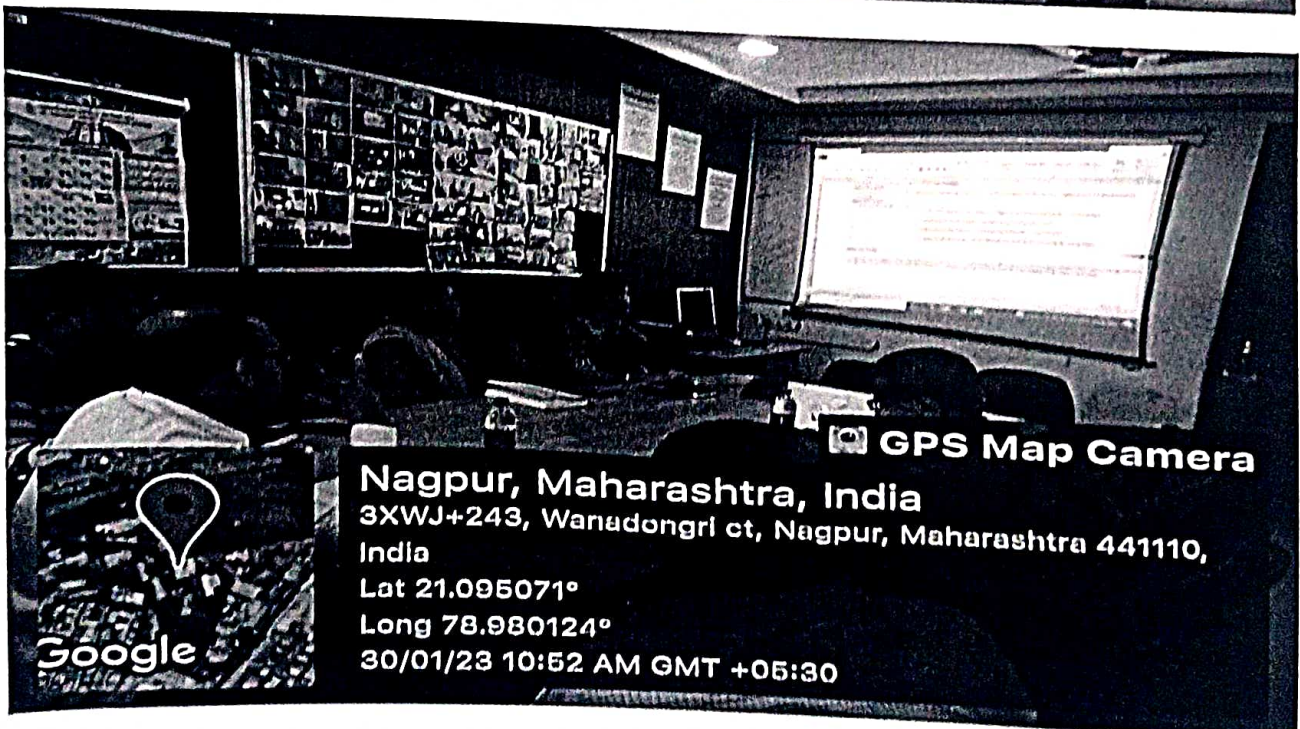
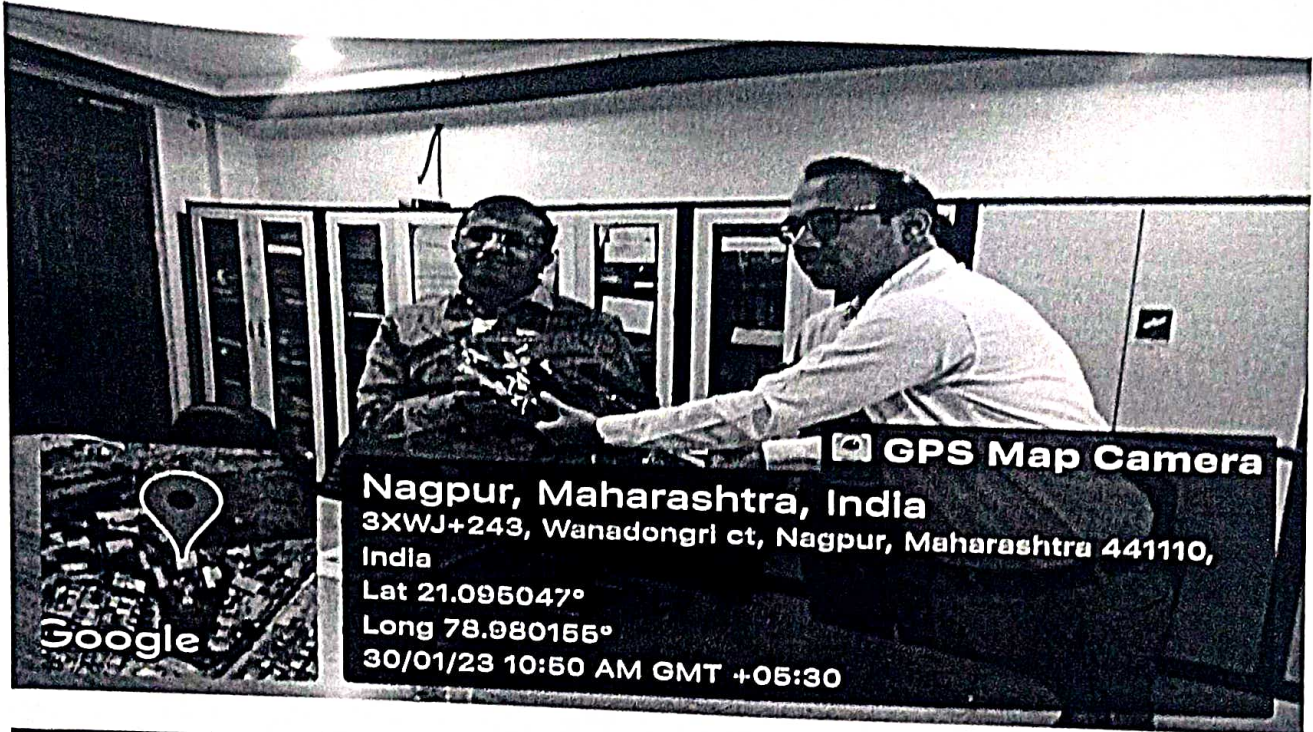
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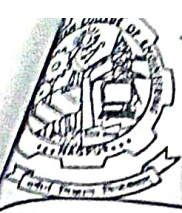
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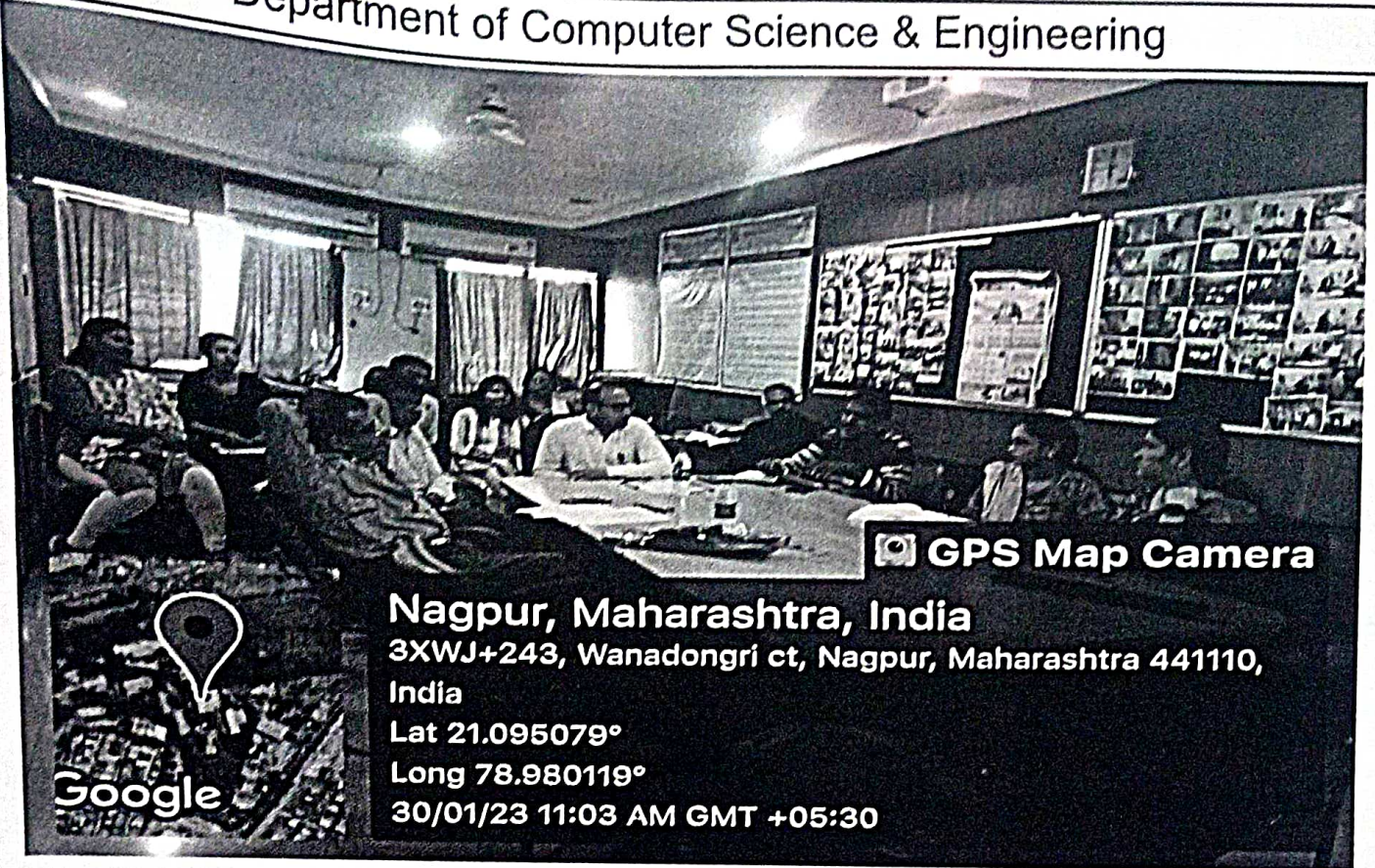
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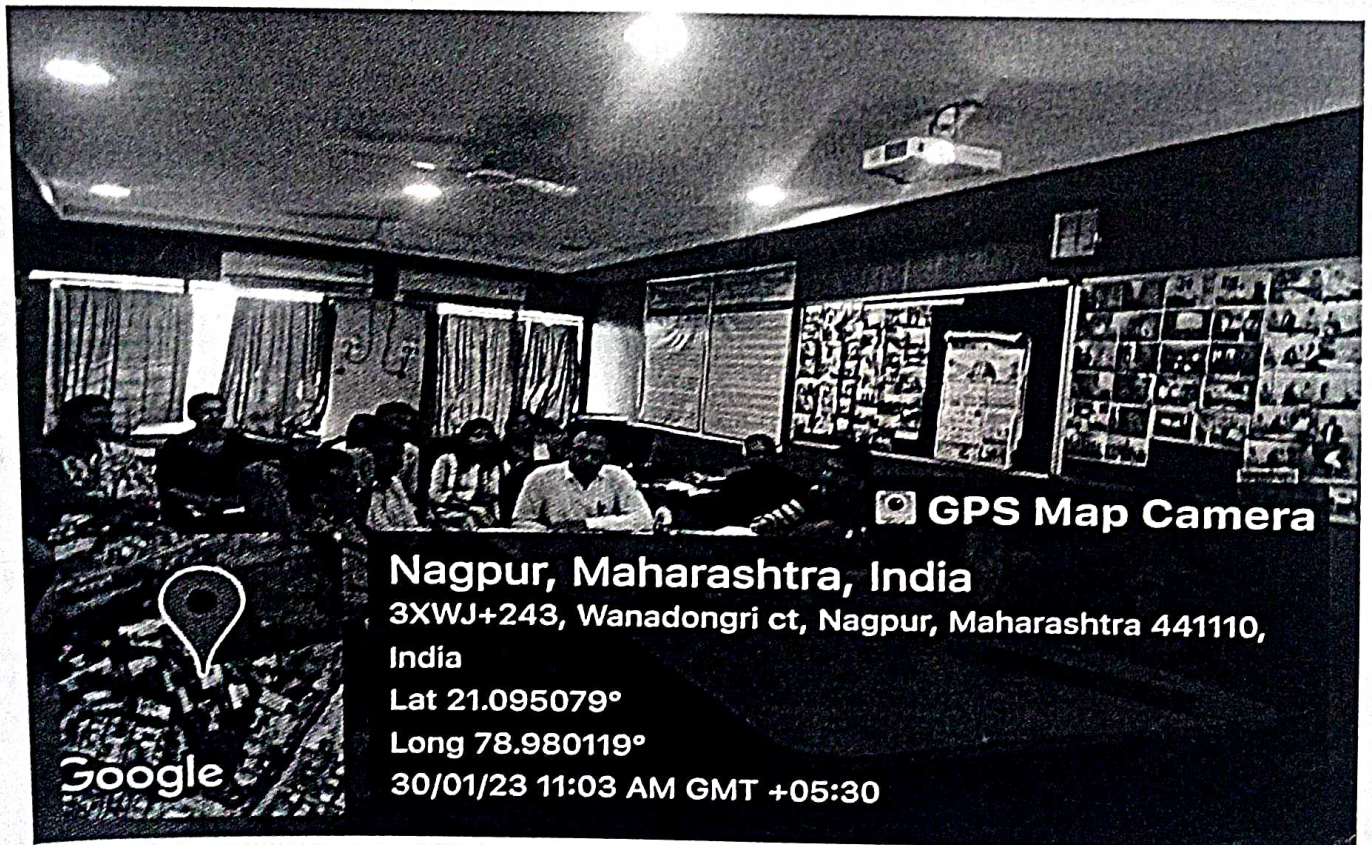
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Annexure -I

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

Sr. No	COURSECODE/ COURSE	SE M	Suggestions	Action Taken
1	Computer Network	VI	Text book should be Computer Networking- A Top down Approach" by Keith W. Ross and Kurose	Added the book
2	Compilers	VI	Revise Practical list	Practical List updated
3	Design & Analysis of Algorithms	V	Text book should be Algorithm Design by Tardos and Kleinberg	Added the book
4	CSE2301- Database Management Systems	V	Add topic JDBC connectivity	Added the topic
5	CSE2331 - OE I: Database System Essentials	V	Add topic in unit6- PL/SQL, NO-SQL concepts	Added the topics
6	CSE2302- Lab: Database Management Systems	V	Revise practical list	Practical List updated as per suggestions
7	CSE2304- Lab: Design & Analysis of Algorithms	V	Revise practical list	Practical List updated as per suggestions
8	CSE2314 - PE I: Lab: Web Technologies	V	Add case study based practical	Added
9	CSE2354 - Lab: Compilers	VI	Revise practical list	Practical List updated
10	CSE2256- Lab: Introduction to data Analysis	IV	Include case studies Take some practical on integrating R code in Java (input output in java ,processing to be done in R)	Added
11	CSE2206- Lab: Software laboratory	IV	Includes practical based on Importing Packages	Added



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Department of Computer Science and Engineering

YCCE/CSE/NOTICE/BOS/3

27/7/2022

BOS MEETING-3 AGENDA
JULY 2022

To,

Member of Board of Studies in Computer
Science and Engineering Dear Sir/ Madam,

The **Third meeting** of the Board of Studies in **Computer Science and Engineering** is scheduled on **Saturday 30th July' 2022 at 11AM.**

The agenda for the meeting is as follows:

Item No. 3.01

Welcome of new members

Item No. 3.02

Installation of member Secretary – no change

Item No. 3.03

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

Item No. 3.04

To discuss and suggest the action taken on

- i) Co/Po attainment of subjects taught in previous semester
- ii) Result analysis of subjects taught in previous semester
- iii) Stakeholders feedback on review and design of curriculum
- iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum

Item No. 3.05

To discuss and suggest the changes in the Scheme of Examination known as Autonomous 2020-21 of the Undergraduate program conducted under the Board .and to approve and ratify SoE22 and all syllabi of B.Tech I & II year

Item No. 3.06

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2020-21 Schemes of Undergraduate program conducted under the Board. (based on the remarks given by the faculty in course completion reports of previous terms, remarks given by students, teachers, employers, alumni mentioned in their feedback if any under the head of design and review of curriculum)



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E-mail : principal@ycce.edu, info@ycce.edu

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Item No. 3.07

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

Item No. 3.08

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

Item No. 3.09

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

Item No. 3.10

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

Item No. 3.11

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/Even Term 2022-23

Item No. 3.12

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/Even Term 2022-23

Item No. 3.13

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/Even Term 2022-23.

Item No. 3.14

Preparation of Electronic question Bank UG courses according to SoE 2020-21
To review solutions to all questions of Electronic Question banks for all courses

Item No. 3.15

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

Item No. 3.16

To discuss and propose scheme for Minor or Honor course and its syllabus. To Discuss and propose Certificate courses and value-added courses in 2022-23.

Item No. 3.17

Any other matter with the permission of the Chair.

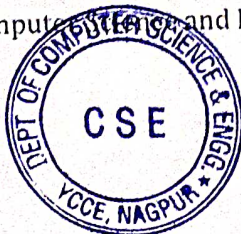
Dr. L.B. Damahe
Chairman

Prof. Rupa A. Fadnavis
Member Secretary

BoS in Computer Science and Engineering

BoS in Computer Science and Engineering

Version-1



Approved by:- BoS Chairman

2021-22



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30/07/2022

Minutes of BOS Meeting

Third Meeting of the Board of Studies in Computer Science & Engineering was held on Saturday, 30/07/2022 at 11 am. in offline mode at Board room Information Technology department.

The meeting was attended by the following members of BoS.

External Members

Sr. No.	Name of Honorable External Member	Position held in BoS	Sign
1	Dr. U. A. Deshpande	External Expert	
2	Dr. P.S.Deshpande	External Expert	

BoS Members

Sr. No.	Name of Member	Sign
1	Dr. Lalit Damahe	
2	Mrs. R.A.Fadnavis	
3	Dr. K.K.Bhoyar	
4	Mrs Bharati Karare	
5	Mr. Fazil Sheikh	
6	Ms. Renuka Kadu	
7	Ms.Ashwini Nagpure	
8	Ms. Kalyani Karule	
9	Mrs. V.N. Bagade	
10	Mrs. P.P. Wagale	
11	Mrs. C.A.Tripathi	
12	Mrs. A.T. Paul	
13	Mrs. S. B. Meshram	
14	Ms. R.P. Suryavanshi	
15	Mrs. K.R. Kolarkar	
16	Mrs. N.P. Giradkar	

Leave of Absence was granted to following members:

Sr. No.	Name of Member
1.	Dr. D.A Adane, RTMNU nominee
2.	Mr.Swapnil Deshmukh, External Expert



Department of Computer Science & Engineering

Following are the minutes of the meeting:

Item No. 3.01

Welcome of new members

BoS Chairman Dr. Lalit Damahe welcome all the external and internal members.

Item No. 3.02

Installation of member Secretary

- no change

Item No. 3.03

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

Minutes of second BoS meeting were read by Member secretary and approved by the BoS unanimously.

Item No. 3.04

To discuss and suggest the action taken on

- i. Co/PO attainment of subjects taught in previous semester
 - ii. Result analysis of subjects taught in previous semester
 - iii. Stakeholders feedback on review and design of curriculum
 - iv. In Sem, End Sem and Exit feedback on Teaching Learning & curriculum
- i) **CO/PO attainment of subjects taught in previous semester**

The complete process of CO/PO attainment has been discussed with the BoS Experts. The experts appreciated and approved the process of attainment. On the basis of direct and indirect assessment, CO/PO attainment of odd semester courses in 2021-22 was shown to BOS expert members and was approved. It is observed that all PO6, PO7, PO8 and PO11, PSO1 and PSO2 are yet not mapped through subjects upto 4th semester. These POs will be mapped through next semester's courses. Attainment of PO12 is not up to the mark. So efforts will be taken to improve this attainment in future.



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Department of Computer Science & Engineering

Program level Course-PO matrix of all courses including first year courses Program
Articulation Matrix: All courses including first year courses. (Semester 1 to Semester 8)

Name of Program: Department of Computer Science and Engineering

	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
SEMES TER-1	GE-2101 Engineering Mathematics-I	2	2												
	GE-2105 Engineering Physics GE-2106 Engineering Physics Lab.	2.6	2.8												
	GE-2107 Communication Skills									2	2				
	CV-2101 Engineering Mechanics CV-2102 Engineering Mechanics (Lab)	3	2.8							2	2	2	2		
	EE-2101 Basic Electronics	2	2	1											
	IT-2101 Introduction to Computer Programme IT-2102 Introduction to Computer Programme (Lab)	2.5	1.7	2											
SEMES TER-2	GE-2102 Engineering Mathematics-II	2	2	2											
	GE-2103 Engineering Chemistry GE-2104 Engineering Chemistry(Lab)	3	2.3					2.25				3	3		
	GE-2108 Social Science						3								
	EL-2101 Electrical Engineering EL-2102 Electrical Engineering (Lab)	3	1	1	1	1				1	1	1	1	1	
	ME2101 Engineering Graphics Engineering Graphics LAB ME2102	3	2			3					2	3		3	
	ME-2103 Workshop Practice														
SEMES TER-3	GE2201 Engineering Mathematics III CSE2201 Computer Architecture and Organisation	3	3	3										1	
	CSE2202/CSE2203 Object Oriented Programming	3	2.5	3	3	1				2	1				
	CSE2204/CSE2205 Data Structures I	3	2			2									
	CSE2206 Software Lab-I	3	1	1						2					
	CSE2207 Discrete Mathematics & Graph Theory	2	2												
	CSE2251/CSE2252 Operating Systems CSE2253/CSE2254 Data Structures II	2.25	2.5		2										
SEMES TER-4	CSE2255/CSE2256 Introduction to Data Analysis CSE2257 Theory of Computation	3	3		3	3									
		1.25	2	2.75	2.5										
	Average	2.6	2.2	2.1	2.3	2.0	3.0	2.3	1.5	1.8	1.8	2.0	2.0		

Evaluation of each PO & PSO

Attainment Parameters ASU	PO1		PO2		PO3		PO4		PO5		PO6		PO7		PO8		PO9		PO10		PO11		PO12		PSO1		PSO2			
	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A	T	A		
Direct	3.00	2.99	2.50	2.28	2.50	2.18	3.00	2.78	1.33	0.93								2.00	1.73	1.00	0.91			1.00	0.45	2.50	2.05	2.00	1.81	
Indirect	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99	3.00	2.99
Total	3.00	2.97	2.60	2.43	2.60	2.34	3.00	2.82	1.67	1.26	3.00	2.99	3.00	2.99	3.00	2.99	2.20	1.98	1.40	1.33	3.00	2.99	1.40	0.96	1.67	1.42	1.80	1.68		
	89.02%	93.29%	90.12%	93.93%	75.45%	99.67%	99.67%	99.67%	99.67%	99.67%	99.67%	99.67%	99.67%	99.67%	99.67%	99.67%	99.67%	89.91%	94.86%	99.67%	68.43%	86.00%	93.33%							



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Department of Computer Science & Engineering

1. Result analysis of subjects taught in previous semester.

The overall and subject wise result analysis of Even Term 2021-22 has been shown to the BoS Experts. Experts appreciated the efforts taken by the faculty for good results.

S.N	Semester	Pass %
1	IV	89.54

As the results of all the semesters are above 80%, No action required to be taken

2. Stake holders feedback on review and design of curriculum -

S.N.	Stakeholder	Feedback	Action Taken
1.	Parent	Industry oriented subject should be there	Mobile programming made to be Industry aligned elective in 5 th semester
2	Faculty	Reunification of unit I and II to be done in Introduction to data analysis course	Updations incorporated in the said course syllabus.

3. In Sem, End Sem and Exit feedback on Teaching Learning & curriculum.

All feedback has been discussed with BoS Experts.

Sem	No. of faculty with feedback more than 90%		No. of faculty with feedback more than 80%		No. of faculty with feedback less than 80% and greater than 60%		No. of faculty with feedback less than 60%	
	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem
IV	6/7	7/7	01/7	-	-	-	-	-

As feedback on teaching learning is above 60%, BoS experts appreciated and asked to maintain the same.

Item No. 3.05

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2020) of the Undergraduate and Post graduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B.Tech and M.Tech I & II year

SoE B.Tech 2020 :

To rename PE-1 Course - advanced web technologies to web technology

SoE22 was verified by experts. Following suggestions were given :

1. Remove Transforms and Partial Differential Equations instead add Linear algebra or Numerical methods
2. Audit course - Green computing syllabus need modifications or other course that can be added as Open elective are Latex, Yoga or Physical Education.

Version-1

Approved By: BoS CSE

2022-23



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Department of Computer Science & Engineering

3. Database system- I and II syllabus need to be revised design DBMS-I syllabus up to normalization and add topics – query processing, concurrency control, transaction management in DBMS-II Or keep DBMS only as a single subject including all above topics .
4. Move introduction to Data analysis course in 3rd or 4th semester.

Item No. 3.06

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech 2020 Schemes of Undergraduate and Post graduate programs conducted under the Board.

Minor changes in the syllabus of following B.Tech SoE2020 -IV Semester subject are suggested by the expert members:

semester	Course	Suggestions
IV	CSE2255- Introduction to data Analysis	<ul style="list-style-type: none">• Unit 4 should include non parametric methods for hypothesis testing• Add multivariate regression in last unit

Minor changes in the syllabus of following V Semester subject are suggested by the expert members:

semester	Course	Suggestions
V	CSE2301- Database Management Systems	<ul style="list-style-type: none">• Add topic JDBC connectivity
V	CSE2313 – PE I: Web Technologies	<ul style="list-style-type: none">• Add web service implementation topic
V	CSE2331 – OE I: Database System Essentials	<ul style="list-style-type: none">• Includes PL/SQL, NO-SQL concepts
V	CSE2333 – OE I: Programming with Python	<ul style="list-style-type: none">• Add topic “ data visualization”

Item No. 3.07

Version-1

Approved By: BoS CSE

2022-23

**Department of Computer Science & Engineering**

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.

Minor changes in the books of following subject are suggested by the expert members:

semester	Course
V & VI	CSE2303- Design & Analysis of Algorithms (Algorithm Design by Tardos and Kleinberg) CSE2351- Computer Networks("Computer Networking- A Top down Approach" by Keith W. Ross and Kurose)

Item No.3.08

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

SoE B.Tech- 2020 scheme:

semester	Course	Suggestions
V	CSE2302- Lab: Database Management Systems	<ul style="list-style-type: none">Revise practical list
V	CSE2304- Lab: Design & Analysis of Algorithms	<ul style="list-style-type: none">Revise practical list
V	CSE2318 PE I-Lab: Mobile Programming	<ul style="list-style-type: none">Use swift tool for iphone as well as android.Practicals to be based on different (at least 4) design pattern category(like survey form, single form, multiform, sensor based, location based, departmental application)
V	CSE2314 - PE I: Lab: Web Technologies	<ul style="list-style-type: none">Add case study based practicals
VI	CSE2354 - Lab: Compilers	<ul style="list-style-type: none">Revise practical list completely
VI	CSE2362 - PE II: Lab: Image Processing	<ul style="list-style-type: none">Use Raspberry Pi or Arduino (in python)
IV	CSE2256- Lab:	<ul style="list-style-type: none">Include case studies



Department of Computer Science & Engineering

Item No. 3.14

Preparation of Electronic question Bank for core UG courses.

List of Courses for which EQB is prepared :

SN	Semester	Course Name
1.	III	CSE2201: Computer Architecture and Organization
2.		CSE2202: Object Oriented Programming
3.		CSE2204: Data structure -I
4.	IV	CSE2255: Introduction to Data Analysis
5.		CSE2251: Operating System
6.		CSE2257: Theory Of Computation

List of Courses for which EQB is to be prepared-

SN	Semester	Course Name
1.	IV	CSE2253: DataStructure 2

Item No. 3.15

To discuss and suggest the changes/additions/deletions/alterations in the existing Evaluation Process for theory and other courses- Number of Quizzes to be reduced.

Item No. 3.16

To discuss and propose scheme for Minor an Honor course and its syllabus. Discussed and proposed Certificate courses and value added courses in 2022-23.

Proposed Certificate courses and value added courses in 2022-23

Sr. No.	Sem	Name of Course	Proposed Date
1	Odd	Salesforce Admin	01/10/2022
2		Data Analysis Using Microsoft Excel	05/11/2022
3	Even	Salesforce Development / Certification Course on Amazon Web Services	11/02/2023
4		Introduction to Ethical Hacking / Hands on Animation using Adobe Flash	18/03/2023



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Department of Computer Science & Engineering

Item No. 3.17

Any other matter with the permission of the Chair-

Formal Thanks were given to External Experts on behalf of the BoS Chairman, BoS Members and Member Secretary.

The meeting concluded by vote of thanks by chairperson, BoS of Computer Science and Engineering


Prof. Rupa Fadnavis

Member Secretary

BoS in CSE


Dr. L.B. Damahe

Chairman

BoS in CSE





Nagar Yuwak Shikshan Sanstha's

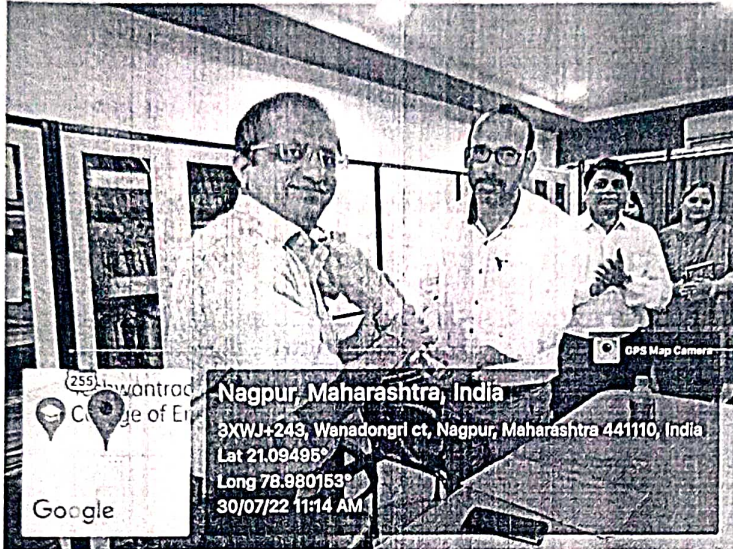
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Department of Computer Science & Engineering



First Year



Nagar Yuwak Shikshan Sanstha's
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Hingna Road, Wanadongri, Nagpur-441 110
NAAC Accredited with 'A++' Grade

OFFICE OF FIRST YEAR COORDINATOR

Date: 9.02.2023

NOTICE

A meeting of Board of Studies (General Engineering) is scheduled on 4th February 2023 at 11.00 am. All Experts and faculty members are requested to attend this meeting. The agenda of meeting is mentioned as below.

Agenda Points are

Agenda No. 26.01

Welcome of new members

Agenda No. 26.02

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

Agenda No. 26.03

To discuss and suggest the action taken on

- i) CO/PO attainment of subjects taught in previous semester.
- ii) Result analysis of subjects taught in previous semester.
- iii) Stake holder's feedback on review and design of curriculum.
- iv) In Sem, End Sem and Exit feedback on Teaching Learning & curriculum.

Agenda No. 26.04

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2022) of the Undergraduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B.Tech I & II year.

Agenda No. 26.05

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech 2022 Schemes of Undergraduate conducted under the Board.

Agenda No. 26.06

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

Agenda No. 26.07

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

Agenda No. 26.08

To discuss and suggest the changes in the Academic Regulations governing the undergraduate programs conducted under the Board.

Agenda No. 26.09

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

Agenda No.26.10

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will examine in End Semester Examination of Odd Term/Even Term 2022-23.

Agenda No. 26.11

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG levels that will examine in End Semester Examination Odd/Even Term 2022-23.

Agenda No. 26.12

Preparation of Electronic question Bank UG courses according to B.Tech SoE 2020 & 2022
To review solutions to all questions of Electronic Question Banks for all courses

Agenda No. 26.13

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

Agenda No. 26.14

To discuss and propose scheme for Minor an Honor course and its syllabus. To Discuss and propose Certificate courses and value-added courses in Even Term 2022-23.

Agenda No. 26.15

Any other matter with the permission of the Chair.

Dr. Anushree Aserkar
Member Secretary- Bard of Studies
(General Engineering)
Department of Applied Mathematics and Humanities

Dr. Manjusha P. Gandhi
Chairman-Bard of Studies
(General Engineering), First Year Coordinator
Department of Applied Mathematics and Humanities

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44	Prof. Pournima Pande	9422440249	pournimapande@yahoo.co.in
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46	\Prof. Pragati Asawale	9975469876	Pragatee.aditya@gmail.com

Board of Studies: General Engineering

Minutes of 26th Board of Studies Meeting in General Engineering: 4th February 2023

The 26th BoS meeting of General Engineering Board was held on 4th February 2023, Saturday at 11.00 a.m. The meeting was organized offline. Total 42 members were present for the meeting. All the external experts: Dr. G.P. Singh-Head, Department of Mathematics, VNIT, Nagpur, Dr. Anupama Kumar--Head, Department of, Chemistry, VNIT, Nagpur, University nominee-Dr. Vijay Tangde, Dept of Chemistry, RTM Nagpur University, Nagpur, Industry expert-Dr. S.S. Bagchi, Dy. General Manager, Reliance Power, Butibori, Nagpur, were attended the meeting.

The following members were present during the meeting:

1	Dr.Manjusha P.Gandhi	20	Dr. Anushree Aserkar
2	Prof.(Mrs.) M.S.Dani	21	Prof. Rahul Tiwari
3	Dr. Arti Ghogre	22	Dr.Mrs.H.V. Ganvir
4	Dr.Malabika Adak	23	Dr. Vikrant Ganvir
5	Dr.A.J.Meshram	24	Dr.Arsala Khan
6	Prof.Asfar Siddiqui	25	Dr. Swati A. Fartode
7	Prof. Monali G.Dhote	26	Dr. Bharati Patil
8	Dr.Nitin Wange	27	Dr. Manisha Upasani
9	Prof.D.P.Bawane	28	Tejaswini M. Jaulkar
10	Prof.M.N.Dandale	29	Dr. P. U. Waghe
11	Prof.N.A.Bhosale	30	Prof. Shruti Gomkale
12	Prof. Purva Khot	31	Prof.S.S.Panditkar
13	Prof.Arvinde Kour Mehta	32	Dr.Ramesh Surose
14	Dr.A.D.Gedam	33	Ms.Megha Mediretta
15	Prof. Nanada Thakre	34	Prof. Y A. Pourkar

16	Prof. P.Dhenge	35	Dr. M. S. Sawangikar
17	Prof. Madhumita Dhote	36	Prof. Pournima Pande
18	Prof.Swati Ingole	37	Dr. G.S. Deshmukh
19	Prof. Monali Dubey	38	Prof. Pragati Asawale

Following members are permitted for leave of absence

- 1) Dr.Meenal Kale
- 2) Prof. Vishakha Bhandarkar.
- 3) Dr.Deepti Jamkar
- 4) Prof.Sheela Bhivgade

Agenda No. 26.01

Welcome of new members

The meeting began with the welcome of new members Prof. Madhumita Dhote(Humanities), Prof.Swati Ingole(Humanities), Prof.Sheela Bhivgade(Humanities), Prof. Monali Dubey(Humanities), Prof. Rahul Tiwari(humanities), Prof. Pragati Asawale(Chemistry).

Agenda No. 26.02

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

The minutes of previous meeting no. 25th held on Saturday 30th July 2022 were already circulated to all members. The ATR of previous meeting have been discussed with BoS members. Minutes of previous meeting were confirmed.

Agenda No. 26.03

To discuss and suggest the action taken on

- i) **CO/PO attainment of subjects taught in previous semester is in progress.**
- ii) **Result analysis of subjects taught in previous semester.**

Result Analysis of Semester II: GE(Group-A)

Pass Students	78.63%
Passed with SGPA<6.75	15.29%
Passed with SGPA>=6.75 and <8.25	51.94%
Passed with SGPA>=8.25	32.77%

Result Analysis of Semester II: GE(Group-B)

Pass Students	74.16%
Passed with SGPA<6.75	18.05%
Passed with SGPA>=6.75 and <8.25	51.63%
Passed with SGPA>=8.25	30.33%

Result Analysis of Semester II: AIDS(Dept. of CT)

Pass Students	89.39%
Passed with SGPA<6.75	13.56%
Passed with SGPA>=6.75 and <8.25	61.02%
Passed with SGPA>=8.25	25.42%

Result Analysis of Semester II: AIML(Dept. of CSE)

Pass Students	95.45%
Passed with SGPA<6.75	15.87%
Passed with SGPA>=6.75 and <8.25	55.56%
Passed with SGPA>=8.25	28.57%

Result Analysis of Semester II: IIoT

Pass Students	90.32%
Passed with SGPA<6.75	17.86%
Passed with SGPA>=6.75 and <8.25	58.93%
Passed with SGPA>=8.25	23.21%

Result Analysis of Semester II: CSD

Pass Students	91.18%
Passed with SGPA<6.75	13.56%
Passed with SGPA>=6.75 and <8.25	62.90%
Passed with SGPA>=8.25	24.19%

iii) Stake holder's feedback on review and design of curriculum.

S.N.	Stakeholder	Feedback	Action Taken
1.	Parent	The number of teaching hours are engaged appropriately but students do not get sufficient time for learning	Informed to Dean academic matters
2	Faculty	Shuffling of units is required in the course Differential Equation and Complex Analysis	Will be incorporated in the said syllabus.

iv) **In Sem, End Sem and Exit feedback on Teaching Learning & curriculum.**

Sem	Faculty with more feedback than 90%		Faculty with 80-90% feedback		Faculty with feedback less than 80% and greater than 60%		Faculty with feedback less than 60%	
	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem	In Sem	End Sem
I	51.57%	65.59%	46.31%	34.40%	2.1%	--	-	-

Agenda No. 26.04

To discuss and suggest the changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2022) of the Undergraduate programs conducted under the Board. To approve and ratify SoE22 and all syllabi of B.Tech I & II year.

The discussion was held on changes in the Scheme of Examination (known as Autonomous 2018 & B.Tech 2022) of the Undergraduate programs. The SoE and syllabi are approved by all members.

Agenda No. 26.05

To discuss and suggest the minor changes in the syllabi of various courses in Autonomous 2018 & B.Tech 2022 Schemes of Undergraduate conducted under the Board.

Reshuffling of units is required in course “Differential Equation and Complex Analysis” in SoE 2022..

Agenda No. 26.06

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

The discussion was held on changes in the books/ Reference Books/ Literature Sources published in the syllabi of courses in various Schemes of Undergraduate Programs .The changes in books are not required in currently implemented courses

Agenda No. 26.07

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

The list of experiments as per new syllabi, was approved by members in 25th BoS meeting.

Agenda No. 26.08

To discuss and suggest the changes in the Academic Regulations governing the undergraduate programs conducted under the Board.

The Academic Regulations were accepted by the members with no suggestions.

Agenda No. 26.09

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

MOOCs courses were not proposed in meeting.

Agenda No.26.10

To prepare and propose the panel of paper setters, Moderators and Valuers for the various theory courses at Undergraduate programs that will examine in End Semester Examination of Odd Term/Even Term 2022-23.

HoD's have submitted the names of the faculty for question paper setting, moderation and evaluation, for odd and even semester examination 2022-23 to the chairman General Engineering.

Agenda No. 26.11

To prepare and propose the panel of internal and external examiners for the various laboratory and other non-theory courses at UG levels that will examine in End Semester Examination Odd/Even Term 2022-23.

HoD's shall submit the panel of internal and external examiners for the various laboratory and other non-theory courses at UG levels that will be examined in End Semester Examination Odd/Even Term 2022-23 to the chairman General Engineering

Agenda No. 26.12

**Preparation of Electronic question Bank UG courses according to B.Tech SoE 2022
To review solutions to all questions of Electronic Question Banks for all courses**

E-question answer bank of all Courses up to first semester are updated according to SoE 2022. Experts have suggested to frame more real life and application based problems.

Agenda No. 26.13

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

The BoS members have suggested to continue with the existing evaluation process for theory and other courses but the level of questions must be set as per level of the students. 10% marks must be allotted for very difficult level questions.

Agenda No. 26.14

To discuss and propose scheme for Minor an Honor course and its syllabus. To Discuss and propose Certificate courses and value-added courses in Even Term 2022-23.

Minor Programmes- No new Minor program was proposed in meeting.

Agenda No. 26.15

Any other matter with the permission of the Chair

The meeting ended with the vote of thanks.

Dr. Anushree Aserkar
Member Secretary- Bard of Studies
(General Engineering)
Department of Applied Mathematics and Humanities

Dr. Manjusha P. Gandhi
Chairman-Bard of Studies
(General Engineering), First Year Coordinator
Department of Applied Mathematics and Humanities



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Declaration by the Head of the Institution

I hereby declare that the data, information and support documents attached herewith are genuine and correct to my knowledge.

Dr. U.P. Waghe

Principal

Principal

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