

The minutes of the 29th meeting of the Academic Council of the Institute which was held on 14/09/2023 in the Conference Room of the Institute at 11.30 a.m.

Following members were present :-

1.	Prof. R. K. Saxena, Director	Chairman
2.	Prof. Rakesh Khare, Dean Admin.	Member
3.	Prof. H. K. Verma, Dean Academics	Member
4.	Prof. Neha Kawathekar, Dean-Staff Welfare	Member
5.	Prof. M. L. Jain, Dean R&D	Member
6.	Prof. S. M. Narulkar, Civil Engg	Member
7.	Prof. B. R. Rawal, Mech. Engg.	Member
8.	Prof. Arun Parakh, Elect. Engg.	Member
9.	Prof. R. C. Gupta, I.P.E.	Member
10.	Prof. Anjana Jain, Elx. & T.C.	Member
11.	Prof. P. P. Bansod, Biomedical Engg.	Member
12.	Prof. P. P. Bansod, Elx. & Instrumentation	Member
13.	Prof. VandanTewari, Computer Engg.	Member
14.	Prof. K. K. Sharma, Info. Tech. & C. T. A.	Member
15.	Prof. J. T. Andrews, Applied Physics	Member
16.	Prof. Nitish Gupta, Applied Chemistry	Member
17.	Prof. Smita Verma, Applied Mathematics	Member
18.	Prof. GireeshThakar, Incharge-MBA	Member
19.	Prof. Neeraj Jain, HSS	Member
20.	Dr.Sudhir Tiwari, Controller Exam.	Member
21.	Prof. V. R Roade, Professor, CE-AMD	Member
22.	Shri MilindLaghate, Associate Professor	Member
23.	Shri Vivek Tiwari, Asstt. Professor	Member
24.	Prof. Swati Chaugankar, Professor	Member
25.	Shri Ravi Jatola, Assistant Professor	Member
26.	Dr. Sandeep Bhongade, Professor	Member
27.	Shri R. S. Mandloi, Associate Professor	Member
28.	Dr.SukhlalSisodiya, Assistant Professor	Member
29.	Prof. Milind Dandekar, Professor	Member
30.	Ms. Neha Patkar, Assistant Professor	Member
31.	Prof. Shekhar Sharma, Professor	Member
32.	Mrs. Rekha Jain, Associate Professor	Member
33.	Shri Ashwin Shrivastav, Assistant Professor	Member
34.	Shri Surendra Gupta, Asso. Professor	Member
35.	Ms. PriyankaBamne, Asstt. Professor	Member
36.	Shri Mukul Shukla, Asso. Professor	Member
37.	Shri MeghaZodape (Kuliha), Asstt. Professor	Member
38.	Prof. Neha Kawathekar, Professor	Member
39.	Prof. Gaurav Gain, Asst. Professor	
40.	Dr. Pragya Ojha, Assistant Professor	Member

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41.	Prof. N. S. Sapre, Professor	Member
42.	Dr. Rachna Navlakhe, Associate Professor	Member
43.	Dr. Sarla Chouhan, Asst. Professor	Member
44.	Dr. Sarika Tiwari, Associate Professor	Member
45.	Mr. Azad Singh Thakur, M.Tech Power Elx.	Member
46.	Ms. Siddhi Jain B.Tech (IT)	Member
47.	Mr. Abhigryan Purohit, B.Tech (Elx. Engg)	Member
48.	Mr. Pranay Patikar, B.Tech (Elec. Engg)	Member
49.	Ms. Manya Mishra B.Tech (IT)	Member
50.	Prof. S. Manepatil	Special Invitee
51.	Prof. Rajesh Khatri	Special Invitee
52.	Prof. R. C. Gurjar	Special Invitee
53.	Mrs. Sujata Negi, Programme, CCRP	Special Invitee
54.	Mr. Arun Kuliha, Programmer, CCRP	Special Invitee
55.	Shri Rakesh Kaul (Off. Registrar)	Secretary (non-member)

The following members could not attend the meeting :-

1.	Prof. Meena Tiwari, Dean-Staff Welfare	Member
2.	Prof. S. C. Choubey, Prof., Elec. Engg., UIT, RGPV	Extl. Member
3.	Prof. Prabhat Patel, Dy. Registrar (Exam), RGPV	Extl. Member
4.	Prof. Roopam Gupta, Professor, I. T., UIT, RGPV	Extl. Member
5.	Shri Manu Shrivastav, IAS Secretary, DTE SDE and Commissioner, DTE	Extl. Member
6.	Shri Rohit Kumar Anchaliya, T.P.O.	Member
7.	Prof. R. S. Gamad, Professor	Member
8.	Prof. D. S. Ajnar, Assoc. Professor	Member
9.	Prof. Avni Majawadiya, Asst. Professor	Member
10.	Prof. D. A. Mehta, Professor	Member
11.	Prof. Vineet Singh	Member
12.	Ms. Urmila Raghuwanshi, Asstt. Professor	Member
13.	Shri Ashish Mahajan, Assistant Professor	Member
14.	Ms. Surbhi Bhutada, M.Tech Comp. Engg	Member
15.	Mr. Deepak Sharma, (Off. Registrar)	Secretary (Non-Member)

The chairman welcome the members. After the opening remarks of the Chairman, the meeting was conducted by the Dean-Academics, Prof. H. K. Verma as per the agenda.

The deliberations of the meeting are as under:

Item No. 1	To confirm the minutes of 28 th Meeting of Academic Council of the Institute held on 06/04/2023. The minutes of 28 th meeting of Academic Council of the institute held on 06/04/2023 were confirmed
Item No. 2	To ratify the minutes of the ___ emergency meetings of the Standing Committee of the Academic Council of the Institute held on _____. The minutes of ___ emergency meeting of the Standing Committee of the Academic Council of the Institute held on _____ were confirmed.
Item No. 3	To consider and approve the minutes of the meetings of following Boards of Studies:

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S.No.	Item	Approved (yes/No)
1 CIVIL ENGINEERING		
Item 1	The change in mission statement of the department is suggested by external and internal members (Enclosed).	Yes
Item 2	As per the existing plan of NEP (2020) and ordinance 4D of RGPV. Following recommendations are proposed for different level of examination: (a) After 1 st year, Engineering certificate will be provided in the name of (i) Draftsman and (ii) supervisor after completing 4 credits in the following subjects (i) Material Technology (ii) Building planning and architecture and 6 credits of industrial training in the site and office related to Draftsman/Supervisor work. (b) After II nd year, Diploma certificate will be provided after completing 4 credits in the following subjects (i) Construction Technology- 1 and (ii) Estimating Costing and 6 credits of industrial training in the site and office related work. After III rd year, Vocational Degree will be provided in Civil Engineering after completing 4 credits in any two subjects of IV th year scheme and 6 credits of industrial training in the site and office related work. The existing scheme is enclosed.	Yes
	Item No. 1: Regarding Undergraduate Programs w.e.f. Session 2023-2024. A discussion was held among B.O.S. Members and changes were proposed in the various syllabi of U.G. subjects as mentioned below. There is a reduction about 10% in syllabi of First year theory subject CE10003 "Fundamental of civil engineering and civil engineering". The existing and proposed syllabus is enclosed for approval. (Annexure I/01)	Yes
	Item No. 2: Regarding Post Graduate Programsw.e.f. Session 2023-2024. I. M. Tech. Environmental Engineering There is a minor change in M. Tech. Environmental Engineering Syllabi of theory subjects CE 59515 "Unit Operation II" & CE 59517 "Industrial Waste and Pollution Mgt.". The existing and proposed syllabus is enclosed for approval. (Annexure I/02)	Yes
2 MECHANICAL ENGINEERING		
Item 1	BOS proposed exit policy after B.Tech. 1 st and 2 nd year. After successful completion of 1 st year, the candidate can exit with certificate in mechanical engineering. Additional 10 credits (out of which atleast 6 credits of industrial training/internship) is to be earned for getting engineering certificate.	Yes
Item 2	Minor modification in the syllabus of subject ME26005 & ME46219 are suggested. The syllabus are enclosed. • The elective subject Artificial Intelligence is shifted from VII to VIII semester. • Basic Electronics Engineering (EC26563) has been replaced with Advance Electronics. Elective subject Data Science (ME46317) is renamed as Data Science & Machine Learning.	Yes
	Item 3 : Experts also suggested to review the whole scheme of UG Mechanical Engineering in future to make it more relevant to current requirement of industries	
3 ELECTRICAL ENGINEERING		
Item 1	To confirm the minutes of BOS meeting held on 15/12/2022.	Yes
Item 2	Proposed to shift UEE from Elective -I of 3 rd year (V semester) to 2 nd year (IV semester) in place of Digital Electronics.	Yes
Item 3	It is proposed to shift Data Structure and Embedded System Programming concept (EE32283) from Elective-I to Elective-II (3 rd Year VI semester)	Yes

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Item 4	Looking towards the multi-exit feature of NEP-2020 following level is proposed at the end of first year and second year.	Yes
Item 5	Syllabus of Fundamental of electrical engineering for first year students should be modified less than 20% change in existing syllabus. Rearrange syllabus of EE22006 and EE32009.	Yes
4 INDUSTRIAL PRODUCTION ENGG.		
Item 1	Subject IP33007 dropped	Yes
Item 2	Subject IP330XX "CAD, CIM and Automation" added in III yr. (5 th Sem) new syllabus and scheme enclosed	Yes
Item 3	Subject IP33507 dropped	Yes
Item 4	Subject IP335XX "Advanced manufacturing processes" added in III yr. (6 th Sem) new syllabus and scheme enclosed	Yes
Item 5	Optional subject IP33703 metal casting and welding engg. Dropped.	Yes
5 ELECTRONICS & T. C. ENGINEERING		
Item 1	DPAQIC minutes are discussed and approved by BoS committee.	Yes
Item 2	As per the suggestions of Department of Telecommunication, Government of India following items are approved. a. A new subject "Advanced mobile communication" is to be introduced for the students promoted in IV year in 2023-24, as an elective (PEC-5) in 8 th semester. The syllabus of this subject is approved and attached with modified scheme herewith.	Yes
Item 3	Following lines are added in the syllabus of elective subject EC45301- Internet of Things in the respective units: i. Unit 1-Power constraints for IoT implementation" ii. Unit 2--"Fog Eco systems for IoT"	Yes
6 ELECTRONICS & INSTRU. ENGINEERING		
Item 1	The PEOS and PSOs for UG course- B. Tech (Electronics and Instrumentation) were reframed and discussed in the meeting as recommended by NBA committee in the recent visit in Sep 2022.	YES
Item 2	The scheme for UG course was reframed as per requirements of National Education Policy (NEP), Exit policy with additional mandatory credits after 1, 2nd, 3rd and 4th year were proposed. The student can exit after one year with Engineering Certificate, after two years with diploma, after three years with Vocational degree and after four years with Bachelor's with research. The scheme with NEP will be applicable from 2023-2024 sessions and is recommended to academic council for approval.	Yes
Item 3	Changes in the COs of some subjects and their practical component were discussed in the meeting and recommended to Academic council for approval.	Yes
Item 4	The scheme and syllabus of PG course M.Tech (Microelectronics and VLSI design) was discussed and as there were no changes, it is recommended to the Academic Council for approval.	Yes
7 COMPUTER ENGINEERING		
Item 1	Review the vision and mission statement of department	Yes
Item 2	To review the scheme and syllabus of computer science and Engg	Yes
Item 3	To review the scheme and syllabus of M.Tech Computer Engg	Yes

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8 INFORMATION TECHNOLOGY		
Item 1	Item 1 :Getting suggestion for upgrading current scheme of various courses of the department according to the New Education Policy.	Yes
Item 2	Item 2: Discussion for making two sections of 2nd year B.Tech. IT due to increase intake.	Yes
9 BIO-MEDICAL ENGG.		
Item 1	To discuss and approve the scheme for U.G. Course in B. Tech Biomedical Engineering as per NEP 2020 policy.	Yes
Item 2	To discuss and implement the suggestions of DPAQIC meeting held on 14/6/23	Yes
10 PHARMACY		
Item 1	Item 1: B. Pharm I year, Sem I, PY 1Y 608: PATHOPHYSIOLOGY Few topics are reshuffled from UNIT III to UNIT V Haematological Diseases: Iron deficiency, megaloblasticanemia (Vit B12 and folic acid), sickle cell anemia, thalassemia, hereditary acquired anemia, hemophilia Infectious diseases: Meningitis, Typhoid, Leprosy, Tuberculosis, Urinary tract infections Sexually transmitted diseases: AIDS, Syphilis, Gonorrhoea	Yes
Item 2	Item no.2: B. Pharm III year, Sem VI, PY3Y517: Medicinal Chemistry III Unit III: few topics are added i.e. Antileprotic agents: Clofazimine, Amithiozone, Minocycline. PY3Y542: Quality Assurance Unit IV (2nd part): "Batch Formula Record" to be corrected as "Batch Processing Record". Addition of "COA" and "Specification" as documents. Addition of "self-inspection" after quality audit. Unit V (1st part): Addition of "equipment qualification (DQ, IQ, OQ, PQ)" after qualification and validation. Addition of "process validation (prospective, retrospective, concurrent, and revalidation)" under types of validation. Internet References (websites): 1.www.fda.gov2.www.ich.org 3.www.who.int4.www.cdsc.gov.in	Yes
Item 3	Item no.3: B. Pharm IV year, Sem VII Instrumental Methods of Analysis (PY4Y021) Unit II: The topic thermogravimetric analysis(TGA) is been added.	Yes
Item 4	Item no.4: M. Pharm (Industrial Pharmacy), 1st year, Sem -I	Yes
11. APPL. PHYSICS		
Item 1	The course objectives, course outcome and course content of Physics course is discussed. Modifications are proposed as per the requirements of NEP-2020.	Yes
Item 2	The outcome and gap analysis reports were discussed. Some remedial were proposed.	Yes
Item 3	The course on Physics (PH10016 and PH10151) is revised as per NEP-2020 requirements. The old and new syllabus are enclosed as annexures 1a and 1b. Change in subject code is needed for theory.	Yes
Item 4	As the course requires tutorial session, it is requested to consider accommodating one period/credit for tutorial in the scheme.	Yes
Item 5	Since the PG courses are revised in the recent BOS, no modifications are proposed.	Yes

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12 APPL. CHEMISTRY		
Item 1	Item 1 : Discussion on the Syllabi of B.Tech-I Chemistry and M.Sc. (Applied Chemistry) were held and it was decided that the syllabi are upto the mark and need no changes or revision.	Yes
Item 2	Item 2 : As per the New Education policy of (NEP 2020) of Government of India, it was proposed and approved to start the following new courses from the forthcoming academic session starting July 2023	Yes
Item 3	A. Four year Integrated MS-Chemistry programme	Yes
	B. Ms. Muskan Jain, a special student invitee, suggested that to help increase intake in M.Sc. (Applied Chemistry) a Bachelors course in Chemistry (B.Sc. Chemistry-Honours) should be started.	Yes
13. APPL. MATHS		
Item 1	MA10501: Mathematics-II: Some topics based on basic concepts of probability is included in Unit IV: Probability and Statistics	Yes
Item 2	MA21006: Mathematics III Taguchi method is removed from Unit III Statistics II.	Yes
Item 3	MA23003/MA26004: Mathematics III Taguchi method is removed from Unit V Statistics.	Yes
Item 4	MA24003/MA28005: Mathematics III Combinatorial Optimization is removed from Unit V: Mathematical Programming Techniques. And Title of Unit V is renamed as Optimization Techniques	Yes
Item 5	MA22563/ MA25563/MA27563: Mathematics IV: Combinatorial Optimization is removed from heading of Unit V: Graph Theory and Combinatorial Optimization.	Yes
14 MBA		
Item 1	The minutes of DPAQIC held in DOMS were presented and approved.	Yes
Item 2	Upload Course Objectives of MBA programme	Yes
Item 3	Current and updated course : MBA1905 GD/PI Lab	Yes
Item 4	Current and updated course : MBA 3005 : Project Management	Yes
Item 5	Current and updated course : MBA 2905 : Research Methodology Lab	Yes
15 HUMANITIES SS		
Item 1	The syllabi are found satisfactory in view of the current need in concerned degree programmes.	Yes
Item 2	Mode of the delivery in respect to combination of Lecture-Tutorial-Practical is found satisfactory in view of the need of course outcome. It is recommended that more emphasis be given to content delivery in lectures.	Yes

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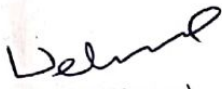
Item 4: Any other item with permission of the Chair.

1.	Item-1 :What will procedure follow for the late admitted student.
2	Item 2 : Recommendations of NEP-2020 read by Prof. S. Manepatil.
3	Item 3 : Suggestions regarding the Academic upliftment in the Institute
4	Item 4 : Minor degree scheme under the NEP policy should discuss in the department and prepare plan for this upto next Academic Council.

All the Hedas of the Department are requested to write the COs, POs, PEO and PSO

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


(Deepak Sharma)
Non-Member Secretary
Academic Council


(Prof. H. K. Varma)
Dean (Academics)
Member, Academic Council


(Prof. Rakesh Saxena)
Chairman
Academic Council