

STRATEGIC PLAN

[5 Year Plan: 2022-23 to 2026-27]

Objectives:

The purpose of this document is to establish the **roadmap for next 5 years** to plan how we wish to see our Institution in the future. This plan is **based on the existing vision and mission** and the National Educational Policy- **NEP-2020**. Mission statements are the **basic perspectives** driving the key areas for the activities established in this report. This report will serve as baseline for **budgeting** and also to establish the Institutional level **ANNUAL performance appraisal**.

Institutional Vision and Mission:

VISION:

To develop **competent professionals with human values**.

MISSION:

- M1.** To have **contextually relevant Curricula**.
- M2.** To promote **effective Teaching Learning Practices** supported by **Modern Educational Tools and Techniques**.
- M3.** To enhance **Research Culture**.
- M4.** To involve the **Industrial Expertise** for connecting Classroom contents to real-life situations.
- M5.** To inculcate **Ethics and soft-skills** leading to overall personality development.

Quality Policy: Committed to move towards a sustainable growth

Long term goals:

1. To move towards in setting the center of excellence in environmental and material studies

Short term goals:

1. Excellent teaching and learning process through multidisciplinary approach
2. Quality research publications, research innovation and creativity to address the challenges and opportunities

SWOC Analysis:

Strength:

1. Team work
2. Good infrastructure and facilities

Weakness:

1. Limited inter-disciplinary approach in research

Opportunities:

1. Curriculum upgradation to cope with change in technology
2. To collaborate and work to develop effective and sustainable engineering solutions to the society at large

Challenges:

1. Awareness for core engineering program

Planning Increments:

1st year to 5th year, i.e. **2022-23** to **2026-27**; year commencing from 1st July 2022 to 30th June 2027

Contact Details:

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M1. To have contextually relevant Curricula

Strategies/ Key Areas for M1	Baseline Status / Value as on 30th June 2022	Activities				
		2022-23	2023-24	2024-25	2025-26	2026-27
<p>Re-establishing the relevance of critical thinking in course outcomes focusing on experiential learning aspects of NEP-2020.</p> <p>[Revisiting application of Bloom's Taxonomy]</p>	<p>Routine activity by individual teachers while doing changes in the syllabus during BoS meeting.</p> <p>Reasonable understanding of mapping COs to POs and therefore moderate compliance of assessment tool with COs.</p> <p>The syllabus and structure are updated as per the institutional guidelines and with NEP 2020</p>	<p>Activity-1: Brainstorming Sessions will be conducted with in-house faculty</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs in Curriculum 2. Higher level Blooms taxonomy in QP Setting 3. Activity/ Project/Self Experimental based Learning Components will be added <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings 2. Syllabus Copy 3. Question papers <p>Faculty In-charge: Prof. H.S. Ashoka</p>	<p>Activity-1: Workshop Sessions will be conducted to implement NEP for higher level</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs in Curriculum 2. Introduction of new elective course <p>Budget: 00.10 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings 2. Syllabus Copy <p>Faculty In-charge: Prof. H.S. Ashoka</p>	<p>Activity-1: Brainstorming Sessions will be conducted with in-house faculty</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs in Curriculum 2. Higher level Blooms taxonomy in QP Setting 3. Activity/ Project/Self Experimental based Learning Components will be added <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings 2. Syllabus Copy 3. Question papers <p>Faculty In-charge: Prof. H.S. Ashoka</p>	<p>Activity-1: Brainstorming Sessions will be conducted with in-house faculty</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs in Curriculum 2. Higher level Blooms taxonomy in QP Setting 3. Activity/ Project/Self Experimental based Learning Components will be added <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings 2. Syllabus Copy 3. Question papers <p>Faculty In-charge: Prof. H.S. Ashoka</p>	<p>Activity-1: One day seminar on the restructuring the COs with focus on experimental learning through NEP 2020</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Restructured COs in Curriculum 2. New courses 3. Experimental based Learning Components will be added <p>Budget: 00.10 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings 2. Syllabus Copy <p>Faculty In-charge: Prof. H.S. Ashoka</p>

<p>Gap Analysis and re-establishing the relevance of Program Articulation Matrix-PAM. [Introduction of new programs/courses/ course weightage credits/ Th/Lab) / laboratories, realignment/ re-ordering/ re-structuring / content up gradation etc..]</p>	<p>CO-PO mapping and PAM matrix is updated as per the changes done in the COs of the previous syllabus.</p>	<p>Activity-1: Pre BOS/ DUGC meeting (in-house faculty) Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised CO-PO for the modified COs with revision of PAM <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings <p>Faculty In Charge: Prof. H.S. Ashoka</p>	<p>Activity-1: Pre BOS/ DUGC meeting (in-house faculty) Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised CO-PO for the modified COs with revision of PAM <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings <p>Faculty In Charge: Prof. H.S. Ashoka</p>	<p>Activity-1: Pre BOS/ DUGC meeting (in-house faculty) Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised CO-PO for the modified COs with revision of PAM <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings <p>Faculty In Charge: Prof. H.S. Ashoka</p>	<p>Activity-1: Pre BOS/ DUGC meeting (in-house faculty) Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised CO-PO for the modified COs with revision of PAM <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings <p>Faculty In Charge: Prof. H.S. Ashoka</p>	<p>Activity-1: Pre BOS/ DUGC meeting (in-house faculty) Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised CO-PO for the modified COs with revision of PAM <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 1. DUGC and BOS Proceedings <p>Faculty In Charge: Prof. H.S. Ashoka</p>
<p>Academic Audits [Procedures/process/ Information repository and access, credentials etc.]</p>	<p>Internal and external audit of 2021-22 is completed</p>	<p>Activity-1: Internal Audit Outcome/Target:</p> <ol style="list-style-type: none"> 1. Audit by internal faculty members in the month of July <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 1. Report on audit <p>Activity-2: External Audit Outcome/Target:</p> <ol style="list-style-type: none"> 1. Audit by external members in 	<p>Activity-1: Internal Audit Outcome/Target:</p> <ol style="list-style-type: none"> 2. Audit by internal faculty members in the month of July <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 2. Report on audit <p>Activity-2: External Audit Outcome/Target:</p> <ol style="list-style-type: none"> 2. Audit by external members in the month of July <p>Budget: 00.05 Lakhs Deliverables:</p>	<p>Activity-1: Internal Audit Outcome/Target:</p> <ol style="list-style-type: none"> 3. Audit by internal faculty members in the month of July <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 3. Report on audit <p>Activity-2: External Audit Outcome/Target:</p> <ol style="list-style-type: none"> 3. Audit by external members in 	<p>Activity-1: Internal Audit Outcome/Target:</p> <ol style="list-style-type: none"> 4. Audit by internal faculty members in the month of July <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 4. Report on audit <p>Activity-2: External Audit Outcome/Target:</p> <ol style="list-style-type: none"> 4. Audit by external members in 	<p>Activity-1: Internal Audit Outcome/Target:</p> <ol style="list-style-type: none"> 5. Audit by internal faculty members in the month of July <p>Budget: 00.00 Lakhs Deliverables:</p> <ol style="list-style-type: none"> 5. Report on audit <p>Activity-2: External Audit Outcome/Target:</p> <ol style="list-style-type: none"> 5. Audit by external members in the month of July <p>Budget: 00.05 Lakhs Deliverables:</p>

		<p>the month of July</p> <p>Budget: 00.05 Lakhs</p> <p>Deliverables:</p> <p>1. Report of external audit</p> <p>Faculty In Charge: Dr. Keshava Joshi</p>	<p>2. Report of external audit</p> <p>Faculty In Charge: Dr. Keshava Joshi</p>	<p>the month of July</p> <p>Budget: 00.05 Lakhs</p> <p>Deliverables:</p> <p>3. Report of external audit</p> <p>Faculty In Charge: Dr. Keshava Joshi</p>	<p>the month of July</p> <p>Budget: 00.05 Lakhs</p> <p>Deliverables:</p> <p>4. Report of external audit</p> <p>Faculty In Charge: Dr. Keshava Joshi</p>	<p>5. Report of external audit</p> <p>Faculty In Charge: Dr. Keshava Joshi</p>
Any other		-	-	-	-	-
TOTAL Budget for M1		00.05 Lakhs	00.15 Lakhs	00.05 Lakhs	00.05 Lakhs	00.15 Lakhs

M2. To promote effective Teaching Learning Practices supported by Modern Educational Tools and Techniques

Strategies / Key Areas for M2	Baseline Status / Value as on 30th June 2022	Activities				
		2022-23	2023-24	2024-25	2025-26	2026-27
Bridge Courses For all and specific to Slow learners	Every year the slow learners are identified and separate classes and coaching is given to understand the subject. The details of slow learners up to date are maintained with the course instructors	Activity-1: 1. Slow learners will be identified based on marks scored in IA- 1 2. Additional classes will be conducted for slow learners Outcome/Target for this year: 1. Improvement in subsequent results in IAs and SEE Budget: 00.00 Lakhs Deliverables: 1. Class Register with attendance and marks Faculty In-charge: Dr. Rashmi S.H	Activity-1: 1. Slow learners will be identified based on marks scored in IA- 1 2. Additional classes will be conducted for slow learners Outcome/Target for this year: 1. Improvement in subsequent results in IAs and SEE Budget: 00.00 Lakhs Deliverables: 1. Class Register with attendance and marks Faculty In-charge: Dr. Rashmi S.H	Activity-1: 1. Slow learners will be identified based on marks scored in IA- 1 2. Additional classes will be conducted for slow learners Outcome/Target for this year: 1. Improvement in subsequent results in IAs and SEE Budget: 00.00 Lakhs Deliverables: 1. Class Register with attendance and marks Faculty In-charge: Dr. Rashmi S.H	Activity-1: 1. Slow learners will be identified based on marks scored in IA- 1 2. Additional classes will be conducted for slow learners Outcome/Target for this year: 1. Improvement in subsequent results in IAs and SEE Budget: 00.00 Lakhs Deliverables: 1. Class Register with attendance and marks Faculty In-charge: Dr. Rashmi S.H	Activity-1: 1. Slow learners will be identified based on marks scored in IA- 1 2. Additional classes will be conducted for slow learners Outcome/Target for this year: 1. Improvement in subsequent results in IAs and SEE Budget: 00.00 Lakhs Deliverables: 1. Class Register with attendance and marks Faculty In-charge: Dr. Rashmi S.H
Tutorials for complex courses	Tutorial classes are conducted for 2021-22 and the time table is indicated with the same.	Activity-1: Courses are to be identified based on the complexity of the	Activity-1: Courses are to be identified based on the complexity of the	Activity-1: Courses are to be identified based on the complexity of the	Activity-1: Courses are to be identified based on the complexity of the	Activity-1: Courses are to be identified based on the complexity of the

		<p>course and previous year results.</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Tutorial classes are conducted 2. Improvement in subsequent results <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Time Table 2. Attendance register <p>Faculty In-charge: Dr. Rashmi. S.H</p>	<p>course and previous year results.</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 3. Tutorial classes are conducted 4. Improvement in subsequent results <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 3. Time Table 4. Attendance register <p>Faculty In-charge: Dr. Rashmi. S.H</p>	<p>course and previous year results.</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 5. Tutorial classes are conducted 6. Improvement in subsequent results <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 5. Time Table 6. Attendance register <p>Faculty In-charge: Dr. Rashmi. S.H</p>	<p>course and previous year results.</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 7. Tutorial classes are conducted 8. Improvement in subsequent results <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 7. Time Table 8. Attendance register <p>Faculty In-charge: Dr. Rashmi. S.H</p>	<p>course and previous year results.</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 9. Tutorial classes are conducted 10. Improvement in subsequent results <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 9. Time Table 10. Attendance register <p>Faculty In-charge: Dr. Rashmi. S.H</p>
<p>Strengthening Experiential Learning component:</p> <p>Learning Extensions (LE)/ Beyond Syllabus (BS) / Case Studies/ Industry Visits/ Industry Connectivity for Class room. Use of Industry relevant tools Field visits/ Internship Students' Sponsored projects</p>	<p>In 2021-22, No of Industrial visit: 01 No of Internship: 19 Industrial talks: 02</p>	<p>Activity-1:</p> <ol style="list-style-type: none"> 1. Introduction of new experiment to upgrade industry need:01 2. Industrial visit: 02 3. Internships: 30 4. Industrial talks: 04 <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs 	<p>Activity-1:</p> <ol style="list-style-type: none"> 1. Introduction of new experiment to upgrade industry need:01 2. Industrial visit: 02 3. Internships: 30 4. Industrial talks: 04 <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs 	<p>Activity-1:</p> <ol style="list-style-type: none"> 1. Introduction of new experiment to upgrade industry need:02 2. Industrial visit: 04 3. Internships: 30 4. Industrial talks: 08 <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs 	<p>Activity-1:</p> <ol style="list-style-type: none"> 1. Introduction of new experiment to upgrade industry need:01 2. Industrial visit: 04 3. Internships: 30 4. Industrial talks: 06 <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs 	<p>Activity-1:</p> <ol style="list-style-type: none"> 1. Introduction of new experiment to upgrade industry need:02 2. Industrial visit: 04 3. Internships: 30 4. Industrial talks: 08 <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. Revised COs

		<p>2. Improvement in PO achievements</p> <p>3. Improvement in placements</p> <p>Budget: 01.20 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab manual 2. Internship reports and certificates 3. Industrial visit report 4. Industrial Interaction reports <p>Faculty In-charge: Dr. Rashmi S.H</p>	<p>2. Improvement in PO achievements</p> <p>3. Improvement in placements</p> <p>Budget: 01.20 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab manual 2. Internship reports and certificates 3. Industrial visit report 4. Industrial Interaction reports <p>Faculty In-charge: Dr. Rashmi S.H</p>	<p>2. Improvement in PO achievements</p> <p>3. Improvement in placements</p> <p>Budget: 02.20 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab manual 2. Internship reports and certificates 3. Industrial visit report 4. Industrial Interaction reports <p>Faculty In-charge: Dr. Rashmi S.H</p>	<p>2. Improvement in PO achievements</p> <p>3. Improvement in placements</p> <p>Budget: 01.20 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab manual 2. Internship reports and certificates 3. Industrial visit report 4. Industrial Interaction reports <p>Faculty In-charge: Dr. Rashmi S.H</p>	<p>2. Improvement in PO achievements</p> <p>3. Improvement in placements</p> <p>Budget: 02.20 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab manual 2. Internship reports and certificates 3. Industrial visit report 4. Industrial Interaction reports <p>Faculty In-charge: Dr. Rashmi S.H</p>
<p>Creation of learning materials</p> <p>Books/ Laboratory manuals/ Video Materials</p>	<p>Every year Lab manuals and Course materials are prepared and given to students</p> <p>Biochemical Engineering Text Book by Prof. S.S. Inamdar</p>	<p>Activity-1: Preparation of Lab Manuals Preparation of course materials</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. No of Lab manuals:06 2. No of course materials and Videos: 10 <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab Manual 	<p>Activity-1: Preparation of Lab Manuals Preparation of course materials</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. No of Lab manuals:06 2. No of course materials and Videos: 10 <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab Manual 	<p>Activity-1: Preparation of Lab Manuals Preparation of course materials Book Publication</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. No of Lab manuals:06 2. No of course materials and Videos: 10 <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab Manual 	<p>Activity-1: Preparation of Lab Manuals Preparation of course materials</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. No of Lab manuals:06 2. No of course materials and Videos: 10 <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab Manual 	<p>Activity-1: Preparation of Lab Manuals Preparation of course materials</p> <p>Expected Outcome/Target for this year:</p> <ol style="list-style-type: none"> 1. No of Lab manuals:06 2. No of course materials and Videos: 10 <p>Budget: 00.00 Lakhs</p> <p>Deliverables:</p> <ol style="list-style-type: none"> 1. Lab Manual

		2. Course Material Faculty In-charge: Prof. S. S. Inamdar	2. Course Material Faculty In-charge: Prof. S. S. Inamdar	2. Course Material Faculty In-charge: Prof. S. S. Inamdar	2. Course Material Faculty In-charge: Prof. S. S. Inamdar	2. Course Material Faculty In-charge: Prof. S. S. Inamdar
Awareness of Technology trends	MATLAB and Software trainings were conducted for the students in 2020	Activity-1: MATLAB training will be conducted Expected Outcome/Target for this year: 1. Students' projects using MATLAB 2. Use of MATLAB in computer labs Budget: 00.10 Lakhs Deliverables: 1. Project reports 2. Students Journal Faculty In-charge: Dr. Keshava Joshi	Activity-1: Aspen plus training will be conducted Expected Outcome/Target for this year: 1. Use of Aspen plus in computer labs Budget: 00.10 Lakhs Deliverables: 2. Project reports 3. Students Journal Faculty In-charge: Dr. Keshava Joshi	Activity-1: Advance process control training will be conducted Expected Outcome/Target for this year: 1. Students' projects and placements Budget: 00.10 Lakhs Deliverables: 2. Project reports 3. Students Journal Faculty In-charge: Dr. Keshava Joshi	Activity-1: MATLAB training will be conducted Expected Outcome/Target for this year: 1. Students' projects using MATLAB 2. Use of MATLAB in computer labs Budget: 00.10 Lakhs Deliverables: 1. Project reports 2. Students Journal Faculty In-charge: Dr. Keshava Joshi	Activity-1: MATLAB and Aspen plus training will be conducted Expected Outcome/Target for this year: 1. Students' projects 2. Use of software's in their career Budget: 00.20 Lakhs Deliverables: 1. Project reports 2. Students placed Faculty In-charge: Dr. Keshava Joshi
Online Course/ mode of learning and their connectivity with curriculum	In 2021-22 students have registered for NPTEL courses and cleared	Activity-1: Motivate students to register and clear the exam in NPTEL and MOOC courses Expected	Activity-1: Motivate students to register and clear the exam in NPTEL and MOOC courses Expected	Activity-1: Motivate students to register and clear the exam in NPTEL and MOOC courses Expected	Activity-1: Motivate students to register and clear the exam in NPTEL and MOOC courses Expected	Activity-1: Motivate students to register and clear the exam in NPTEL and MOOC courses Expected

		Outcome/Target for this year: 1. Helps in students' placements Budget: 00.00 Lakhs Deliverables: 1. Good placements Faculty In-charge: Dr. Rashmi S.H.	Outcome/Target for this year: 1. Helps in students' placements Budget: 00.00 Lakhs Deliverables: 1. Good placements Faculty In-charge: Dr. Rashmi S.H.	Outcome/Target for this year: 1. Helps in students' placements Budget: 00.00 Lakhs Deliverables: 1. Good placements Faculty In-charge: Dr. Rashmi S.H.	Outcome/Target for this year: 1. Helps in students' placements Budget: 00.00 Lakhs Deliverables: 1. Good placements Faculty In-charge: Dr. Rashmi S.H.	Outcome/Target for this year: 1. Helps in students' placements Budget: 00.00 Lakhs Deliverables: 1. Good placements Faculty In-charge: Dr. Rashmi S.H.
Community Oriented Service	In 2021-22, students have visited the schools and other places and have educated with need-based activities.	Activity-1: 1. Visit to Village and Govt. Schools 2. Demonstrate and bring awareness of drinking water quality and hygiene at villages 3. Awareness of segregation and reuse of wastes Expected Outcome/Target for this year: 1. Health improvisation of Villagers 2. Improvement in School Results 3. Waste minimization	Activity-1: 1. Visit to Village and Govt. Schools 2. Demonstrate and bring awareness of drinking water quality and hygiene at villages 3. Awareness of segregation and reuse of wastes Expected Outcome/Target for this year: 1. Health improvisation of Villagers 2. Improvement in School Results	Activity-1: 1. Visit to Village and Govt. Schools 2. Demonstrate and bring awareness of drinking water quality and hygiene at villages 3. Awareness of segregation and reuse of wastes Expected Outcome/Target for this year: 1. Health improvisation of Villagers 2. Improvement in School Results	Activity-1: 1. Visit to Village and Govt. Schools 2. Demonstrate and bring awareness of drinking water quality and hygiene at villages 3. Awareness of segregation and reuse of wastes Expected Outcome/Target for this year: 1. Health improvisation of Villagers 2. Improvement in School Results	Activity-1: 1. Visit to Village and Govt. Schools 2. Demonstrate and bring awareness of drinking water quality and hygiene at villages 3. Awareness of segregation and reuse of wastes Expected Outcome/Target for this year: 1. Health improvisation of Villagers 2. Improvement in School Results
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		<p>4. Improve in health and hygiene</p> <p>Budget: 00.10 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the visit and outcomes</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>	<p>3. Waste minimization</p> <p>4. Improve in health and hygiene</p> <p>Budget: 00.10 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the visit and outcomes</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>	<p>3. Waste minimization</p> <p>4. Improve in health and hygiene</p> <p>Budget: 00.10 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the visit and outcomes</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>	<p>3. Waste minimization</p> <p>4. Improve in health and hygiene</p> <p>Budget: 00.10 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the visit and outcomes</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>	<p>3. Waste minimization</p> <p>4. Improve in health and hygiene</p> <p>Budget: 00.10 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the visit and outcomes</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>
Any other						
TOTAL Budget for M2		01.40 Lakhs	01.40 Lakhs	02.40 Lakhs	01.40 Lakhs	02.50 Lakhs

M3. To enhance research culture

Strategies / Key Areas for M3	Baseline Status / Value as on 30th June 2022	Activities				
		2022-23	2023-24	2024-25	2025-26	2026-27
Funded Projects	Ongoing projects:03 Submitted projects:04 in 2021-22	<p>Activity-1: Research committee will check the quality of proposal submissions</p> <p>Expected Outcome/Target for this year: 1. Number of submissions:02</p> <p>Budget: 00.00 Lakhs</p> <p>Deliverables: 1. Submitted copy</p> <p>Faculty In-charge: Dr. Keshava Joshi</p>	<p>Activity-1: Research committee will check the quality of proposal submissions</p> <p>Expected Outcome/Target for this year: 1. Number of submissions:02</p> <p>Budget: 00.00 Lakhs</p> <p>Deliverables: 1. Submitted copy</p> <p>Faculty In-charge: Dr. Keshava Joshi</p>	<p>Activity-1: Research committee will check the quality of proposal submissions</p> <p>Conduct workshop on proposal writing</p> <p>Expected Outcome/Target for this year: 1. Number of submissions:03</p> <p>Budget: 00.10 Lakhs</p> <p>Deliverables: 1. Submitted copy</p> <p>Faculty In-charge: Dr. Keshava Joshi</p>	<p>Activity-1: Research committee will check the quality of proposal submissions</p> <p>Expected Outcome/Target for this year: 1. Number of submissions:03</p> <p>Budget: 00.00 Lakhs</p> <p>Deliverables: 1. Submitted copy</p> <p>Faculty In-charge: Dr. Keshava Joshi</p>	<p>Activity-1: Research committee will check the quality of proposal submissions</p> <p>Expected Outcome/Target for this year: 1. Number of submissions:04</p> <p>Budget: 00.00 Lakhs</p> <p>Deliverables: 1. Submitted copy</p> <p>Faculty In-charge: Dr. Keshava Joshi</p>
Paper Publications	In 2021-22, Submitted papers: 08 Published papers: 06	<p>Activity-1: Research committee will check the quality of paper and Journal before the submission</p> <p>Expected Outcome/Target for this year: 1. Number of paper submission: 04 2. Increase in the quality of submission</p>	<p>Activity-1: Research committee will check the quality of paper and Journal before the submission</p> <p>Expected Outcome/Target for this year: 1. Number of paper submission: 04</p>	<p>Activity-1: Research committee will check the quality of paper and Journal before the submission</p> <p>Expected Outcome/Target for this year: 1. Number of paper submission: 06</p>	<p>Activity-1: Research committee will check the quality of paper and Journal before the submission</p> <p>Expected Outcome/Target for this year: 1. Number of paper submission: 06</p>	<p>Activity-1: Research committee will check the quality of paper and Journal before the submission</p> <p>Expected Outcome/Target for this year: 1. Number of paper submission: 08</p>

		Budget: 00.00 Lakhs Deliverables: 1. Submitted paper Faculty In-charge: Dr. Lokeshwari N	2. Increase in the quality of submission Budget: 00.00 Lakhs Deliverables: 1. Submitted paper Faculty In-charge: Dr. Lokeshwari N	2. Increase in the quality of submission Budget: 00.00 Lakhs Deliverables: 1. Submitted paper Faculty In-charge: Dr. Lokeshwari N	2. Increase in the quality of submission Budget: 00.00 Lakhs Deliverables: 1. Submitted paper Faculty In-charge: Dr. Lokeshwari N	2. Increase in the quality of submission Budget: 00.00 Lakhs Deliverables: 1. Submitted paper Faculty In-charge: Dr. Lokeshwari N
IPR: Copyrights and Patents		-	-	-	-	-
Knowledge Sharing.	In 2021-22, Participated in 3 conferences Invited as Resource person in conference Invited as Judges in the National conference	Activity-1: Sharing knowledge through external participation Conduct of the National Conference Expected Outcome/Target for this year: 1. Conferences: 02 Budget: 01.10 Lakhs Deliverables: 1. Conference publication Faculty In-charge: Dr. Keshava Joshi	Activity-1: Sharing knowledge through external participation Conduct of the National Conference Expected Outcome/Target for this year: 1. Conferences: 02 Budget: 01.10 Lakhs Deliverables: 1. Conference publication Faculty In-charge: Dr. Keshava Joshi	Activity-1: Sharing knowledge through external participation Conduct of the National Conference Expected Outcome/Target for this year: 1. Conferences: 03 2. As a resource person: 02 Budget: 01.15 Lakhs Deliverables: 1. Conference publication 2. Invitation letter Faculty In-charge: Dr. Keshava Joshi	Activity-1: Sharing knowledge through external participation Conduct of the National Conference Expected Outcome/Target for this year: 1. Conferences: 03 Budget: 01.15 Lakhs Deliverables: 1. Conference publication Faculty In-charge: Dr. Keshava Joshi	Activity-1: Sharing knowledge through external participation Conduct of the National Conference Expected Outcome/Target for this year: 1. Conferences: 04 2. As a resource person: 02 Budget: 01.20 Lakhs Deliverables: 1. Conference publication 2. Invitation letter Faculty In-charge: Dr. Keshava Joshi
	In 2021-22,	Activity-1:	Activity-1:	Activity-1:	Activity-1:	Activity-1:

Research Quality Review	Project submitted:04 Publication submitted:08	Research committee is framed to check the quality of research activities Expected Outcome/Target for this year: 1. Number of publications 2. Number of funded projects Budget: 00.00 Lakhs Deliverables: 1. Published papers 2. Funded projects Faculty In-charge: Dr. Keshava Joshi	Research committee is framed to check the quality of research activities Expected Outcome/Target for this year: 1. Number of publications 2. Number of funded projects Budget: 00.00 Lakhs Deliverables: 1. Published papers 2. Funded projects Faculty In-charge: Dr. Keshava Joshi	Research committee is framed to check the quality of research activities Expected Outcome/Target for this year: 1. Number of publications 2. Number of funded projects Budget: 00.00 Lakhs Deliverables: 1. Published papers 2. Funded projects Faculty In-charge: Dr. Keshava Joshi	Research committee is framed to check the quality of research activities Expected Outcome/Target for this year: 1. Number of publications 2. Number of funded projects Budget: 00.00 Lakhs Deliverables: 1. Published papers 2. Funded projects Faculty In-charge: Dr. Keshava Joshi	Research committee is framed to check the quality of research activities Expected Outcome/Target for this year: 1. Number of publications 2. Number of funded projects Budget: 00.00 Lakhs Deliverables: 1. Published papers 2. Funded projects Faculty In-charge: Dr. Keshava Joshi
Any other						
TOTAL Budget for M3		01.10 Lakhs	01.10 Lakhs	01.25 Lakhs	01.15 Lakhs	01.20 Lakhs

M4. To involve the **Industrial Expertise** for connecting Classroom contents to real-life situations

Strategies / Key Areas for M4	Baseline Status / Value as on 30th June 2022	Activities				
		2022-23	2023-24	2024-25	2025-26	2026-27
Talks from Industry personnel.	In 2021-22 Conducted guest lectures: 02	<p>Activity-1: Conduct of Guest Lecture by Industrial experts</p> <p>Expected Outcome/Target for this year:</p> <p>1. No of lectures: 04</p> <p>Budget: 00.08 Lakhs</p> <p>Deliverables:</p> <p>1. Report on the conduct of Lecture</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>	<p>Activity-1: Conduct of Guest Lecture by Industrial experts</p> <p>Expected Outcome/Target for this year:</p> <p>1. No of lectures: 04</p> <p>Budget: 00.08 Lakhs</p> <p>Deliverables:</p> <p>1. Report on the conduct of Lecture</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>	<p>Activity-1: Conduct of Guest Lecture by Industrial experts</p> <p>Expected Outcome/Target for this year:</p> <p>1. No of lectures: 06</p> <p>Budget: 00.12 Lakhs</p> <p>Deliverables:</p> <p>1. Report on the conduct of Lecture</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>	<p>Activity-1: Conduct of Guest Lecture by Industrial experts</p> <p>Expected Outcome/Target for this year:</p> <p>1. No of lectures: 06</p> <p>Budget: 00.12 Lakhs</p> <p>Deliverables:</p> <p>1. Report on the conduct of Lecture</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>	<p>Activity-1: Conduct of Guest Lecture by Industrial experts</p> <p>Expected Outcome/Target for this year:</p> <p>1. No of lectures: 08</p> <p>Budget: 00.16 Lakhs</p> <p>Deliverables:</p> <p>1. Report on the conduct of Lecture</p> <p>Faculty In-charge: Prof. Kiran Rathod</p>
MoUs with industries	MoU with Nichrome Industry is existing	<p>Activity-1: MoU with Industry is existing</p> <p>Expected Outcome/Target for this year:</p> <p>1. Industrial training:02</p> <p>Budget: 00.60 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the training</p>	<p>Activity-1: MoU existing with industry will be continued</p> <p>Expected Outcome/Target for this year:</p> <p>1. Industrial training:02</p> <p>Budget: 00.60 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the training</p>	<p>Activity-1: MoU existing with industry will be continued</p> <p>Expected Outcome/Target for this year:</p> <p>1. Industrial training:02</p> <p>Budget: 00.60 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the training</p>	<p>Activity-1: MoU existing with industry will be continued</p> <p>Expected Outcome/Target for this year:</p> <p>1. Industrial training:02</p> <p>Budget: 00.60 Lakhs</p> <p>Deliverables:</p> <p>1. Report of the training</p> <p>Faculty In-charge:</p>	<p>Activity-1: MoU existing with industry will be continued</p> <p>Expected Outcome/Target for this year:</p> <p>1. Industrial training:02</p> <p>Budget: 00.60 Lakhs</p> <p>Deliverables:</p>

		Faculty In-charge: Dr. Shivanand Y. A	Faculty In-charge: Dr. Shivanand Y. A	Faculty In-charge: Dr. Shivanand Y. A	Dr. Shivanand Y. A	1. Report of the training Faculty In-charge: Dr. Shivanand Y. A
Training Programs for Students from Industry personnel.	In 2021-22 Training program conducted: 01	Activity-1: Conduct of training programs Expected Outcome/Target for this year: 1. No of trainings: 04 Budget: 01.20 Lakhs Deliverables: 1. Training reports Faculty In-charge: Prof. Kiran Rathod	Activity-1: Conduct of training programs Expected Outcome/Target for this year: 1. No of trainings: 04 Budget: 01.20 Lakhs Deliverables: 2. Training reports Faculty In-charge: Prof. Kiran Rathod	Activity-1: Conduct of training programs Expected Outcome/Target for this year: 1. No of trainings: 04 Budget: 01.20 Lakhs Deliverables: 2. Training reports Faculty In-charge: Prof. Kiran Rathod	Activity-1: Conduct of training programs Expected Outcome/Target for this year: 1. No of trainings: 04 Budget: 01.20 Lakhs Deliverables: 2. Training reports Faculty In-charge: Prof. Kiran Rathod	Activity-1: Conduct of training programs Expected Outcome/Target for this year: 1. No of trainings: 04 Budget: 01.20 Lakhs Deliverables: 2. Training reports Faculty In-charge: Prof. Kiran Rathod
FDPs from Industry personnel.	FDP was conducted on Advanced waste water treatment sponsored by VGST		Activity-1: Conduct of FDP from Industrial experts Expected Outcome/Target for this year: 1. No of FDPs:01 Budget: 02.00 Lakhs Deliverables: 1. Report on the conduct of FDP		Activity-1: Conduct of FDP from Industrial experts Expected Outcome/Target for this year: 1. No of FDPs:01 Budget: 02.00 Lakhs Deliverables: 1. Report on the conduct of FDP Faculty In-charge: Dr. Keshava Joshi	

			Faculty In-charge: Dr. Keshava Joshi			
Alumni connected activities for students and faculty members	In 2021-22, Guest lecture by Alumni: 01	Activity-1: Conduct of guest lectures by alumni Expected Outcome/Target for this year: 1. No of lectures:02 Budget: 00.10 Lakhs Deliverables: 1. Report on the conduct of lecture Faculty In-charge: Prof. Kiran Rathod	Activity-1: Conduct of alumni meet Conduct of guest lectures by alumni Expected Outcome/Target for this year: 1. No of lectures:02 2. No of Alumni meet:01 Budget: 00.10 Lakhs Deliverables: 1. Report on the conduct of lecture 2. Report on the conduct of alumni meet Faculty In-charge: Prof. Kiran Rathod	Activity-1: Conduct of guest lectures by alumni Expected Outcome/Target for this year: 1. No of lectures:02 Budget: 00.10 Lakhs Deliverables: 1. Report on the conduct of lecture Faculty In-charge: Prof. Kiran Rathod	Activity-1: Conduct of alumni meet Conduct of guest lectures by alumni Expected Outcome/Target for this year: 1. No of lectures:02 2. No of Alumni meet:01 Budget: 00.10 Lakhs Deliverables: 1. Report on the conduct of lecture 2. Report on the conduct of alumni meet Faculty In-charge: Prof. Kiran Rathod	Activity-1: Conduct of guest lectures by alumni Expected Outcome/Target for this year: 1. No of lectures:02 Budget: 00.10 Lakhs Deliverables: 1. Report on the conduct of lecture Faculty In-charge: Prof. Kiran Rathod
Sabbatical Leave for faculty members		-	-	-	-	-
Course projects/ Project based learning	Every year the course teacher conducts the activities	Activity-1: Conduct of activity-based learning Expected	Activity-1: Conduct of activity-based learning Expected	Activity-1: Conduct of activity-based learning Expected	Activity-1: Conduct of activity-based learning Expected	Activity-1: Conduct of activity-based learning Expected

		Outcome/Target for this year: 1. No of activities: 02 Budget: 00.00 Lakhs Deliverables: 1. Activity Report Faculty In-charge: Prof. Kiran Rathod	Outcome/Target for this year: 1. No of activities: 02 Budget: 00.00 Lakhs Deliverables: 1. Activity Report Faculty In-charge: Prof. Kiran Rathod	Outcome/Target for this year: 1. No of activities: 02 Budget: 00.00 Lakhs Deliverables: 1. Activity Report Faculty In-charge: Prof. Kiran Rathod	Outcome/Target for this year: 1. No of activities: 02 Budget: 00.00 Lakhs Deliverables: 1. Activity Report Faculty In-charge: Prof. Kiran Rathod	Outcome/Target for this year: 1. No of activities: 02 Budget: 00.00 Lakhs Deliverables: 1. Activity Report Faculty In-charge: Prof. Kiran Rathod
Any other						
TOTAL Budget for M4		01.98 Lakhs	03.98 Lakhs	02.02 Lakhs	04.02 Lakhs	02.06 Lakhs

M5. To inculcate Ethics and soft-skills leading to overall personality development

Strategies / Key Areas for M5	Baseline Status / Value as on 30th June 2022	Activities				
		2022-23	2023-24	2024-25	2025-26	2026-27
Awareness Programs	Every year students visit schools and villages to conduct the awareness programs.	Activity-1: Awareness on the waste minimization Expected Outcome/Target for this year: 1. No of programs:01 Budget: 00.00 Lakhs Deliverables: 1. Report on the program conducted Faculty In-charge: Prof. S.S. Inamdar	Activity-1: Awareness on the plastic usage Expected Outcome/Target for this year: 1. No of programs:01 Budget: 00.00 Lakhs Deliverables: 1. Report on the program conducted Faculty In-charge: Prof. S.S. Inamdar	Activity-1: Awareness on renewable resources Expected Outcome/Target for this year: 1. No of programs:01 Budget: 00.00 Lakhs Deliverables: 1. Report on the program conducted Faculty In-charge: Prof. S.S. Inamdar	Activity-1: Awareness on water usage and its reuse Expected Outcome/Target for this year: 1. No of programs:01 Budget: 00.00 Lakhs Deliverables: 1. Report on the program conducted Faculty In-charge: Prof. S.S. Inamdar	Activity-1: Awareness on water usage and its reuse Expected Outcome/Target for this year: 1. No of programs:01 Budget: 00.00 Lakhs Deliverables: 1. Report on the program conducted Faculty In-charge: Prof. S.S. Inamdar
Training programs Soft Skills/ Discussion Group/ English Communication Skills/ Use of ICT	Every year the soft skill training and group discussions are conducted for the students	Activity-1: Soft skill is included in the curriculum Training on Group discussion and English communication Expected Outcome/Target for this year: 1. No of trainings: 02 2. Improved placements	Activity-1: Soft skill is included in the curriculum Training on Group discussion and English communication Expected Outcome/Target for this year: 1. No of trainings: 02 2. Improved placements	Activity-1: Soft skill is included in the curriculum Training on Group discussion and English communication Expected Outcome/Target for this year: 1. No of trainings: 02	Activity-1: Soft skill is included in the curriculum Training on Group discussion and English communication Expected Outcome/Target for this year: 1. No of trainings: 02	Activity-1: Soft skill is included in the curriculum Training on Group discussion and English communication Expected Outcome/Target for this year: 1. No of trainings: 02

		Budget: 00.10 Lakhs Deliverables: 1. Report on the trainings Faculty In-charge: Dr. Keshava Joshi	Budget: 00.10 Lakhs Deliverables: 1. Report on the trainings Faculty In-charge: Dr. Keshava Joshi	2. Improved placements Budget: 00.10 Lakhs Deliverables: 1. Report on the trainings Faculty In-charge: Dr. Keshava Joshi	2. Improved placements Budget: 00.10 Lakhs Deliverables: 1. Report on the trainings Faculty In-charge: Dr. Keshava Joshi	2. Improved placements Budget: 00.10 Lakhs Deliverables: 1. Report on the trainings Faculty In-charge: Dr. Keshava Joshi
Any other						
TOTAL Budget for M5		00.10 Lakhs	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs

Other Key Areas/ Strategies

Strategy/ Key Areas- Others	Activities				
	2022-23	2023-24	2024-25	2025-26	2026-27
NEP-2020	Approach towards multidisplenary electives	-	Introduction of certificate course in pipe line design	Enhance a greater number of Industrial electives	-
Branding / Ranking	-	-	-	-	-
Accreditation	-	-	-	-	-
Autonomy and University status	-	-	-	-	-
Starting of new Programs/ Courses	-	-	-	-	-
Industry Collaboration	-	-	-	-	-

MoUs		Existing MoU with Nichrome Industry	New MoU	Continuation of MoU	Continuation of MoU	Continuation of MoU
University / Institutional Collaboration		-	-	-	-	-
Admission Quality		-	-	-	-	-
Faculty Support and Facilities		1.00 Lakh	1.00 Lakh	1.00 Lakh	2.00 Lakh	2.00 Lakh
Infrastructure		2.00 Lakhs	2.00 Lakhs	3.00 Lakhs	3.00 Lakhs	3.00 Lakhs
Research Laboratories and Center of Excellence		Existence of Research Laboratory	Existence of Research Laboratory	Existence of Research Laboratory with additional facilities through funded projects	Existence of Research Laboratory	Existence of Research Laboratory
Automation and Use of ICT		-	-	-	-	-
Any other						
TOTAL Budget for Others		03.00 Lakhs	03.00 Lakhs	04.00 Lakhs	05.00 Lakhs	05.00 Lakhs

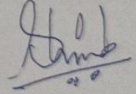
TOTAL BUDGET	2022-23	2023-24	2024-25	2025-26	2026-27
	07.63 Lakhs	09.73 Lakhs	09.82 Lakhs	11.72 Lakhs	11.01 Lakhs

Date: 23/07/2022

HOD-Chemical
Dr. Shivanand Y.A

MoUs	Existing MoU with Nichrome Industry	New MoU	Continuation of MoU	Continuation of MoU	Continuation of MoU
University / Institutional Collaboration	-	-	-	-	-
Admission Quality	-	-	-	-	-
Faculty Support and Facilities	1.00 Lakh	1.00 Lakh	1.00 Lakh	2.00 Lakh	2.00 Lakh
Infrastructure	2.00 Lakhs	2.00 Lakhs	3.00 Lakhs	3.00 Lakhs	3.00 Lakhs
Research Laboratories and Center of Excellence	Existence of Research Laboratory	Existence of Research Laboratory	Existence of Research Laboratory with additional facilities through funded projects	Existence of Research Laboratory	Existence of Research Laboratory
Automation and Use of ICT	-	-	-	-	-
Any other					
TOTAL Budget for Others	03.00 Lakhs	03.00 Lakhs	04.00 Lakhs	05.00 Lakhs	05.00 Lakhs

TOTAL BUDGET	2022-23	2023-24	2024-25	2025-26	2026-27
	07.63 Lakhs	09.73 Lakhs	09.82 Lakhs	11.72 Lakhs	11.01 Lakhs


 HOD-Chemical
 Dr. Shivanand Y.A.

Date: 23/07/2022