

**SDM College of Engineering and Technology, Dhavalagiri, Dharwad-580002**

**Department of Chemical Engineering**

# **STRATEGIC PLAN IMPLEMENTATION REPORT**



**Report for the Year 2022**

**Date :24-01-2023**

**Yearly Implementation**

**Reference: 5 Year Plan 2022-2026**

## **INTRODUCTION:**

The purpose of this document is to record the **yearly** progress of the Department based on their stated strategic plan for the year -**2022**(starting from 1<sup>st</sup> January and ending by 31<sup>st</sup> December).

In charge person indicted against each perspective/ Key areas have participated in the audit process and the records maintained by them are seen thoroughly by the audit team.

## **AUDIT TEAM:**

1. **Chairman:**Principal, SDMCET, Dharwad

2. **Members:**

- a) Dean Academic Program
- b) Dean R & D
- c) IQAC Coordinator— Member Secretary

## **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.

**ADDITIONAL FOCUS:**

F1: Curriculum relevance- **M1**

F2: Academic/ Exam results- **M1, M2, M4**

F3: Research papers, Sponsored Projects, Root cause analysis for rejected papers and filling gap.-**M3**

F4: Value additions: Teaching, Soft skills, Use of ICT / Presentation, Discussion Groups  
(Communication skills)- **M2 & M5**

F5: Community oriented services- **M3 & M5**

F6: Placement.

F7: Accreditation and Ranking: NBA, NAAC and NIRF -**M1 to M5 & Establishment of strong IQAC  
to support quality checks and Institutional repository.**

F8: National Educational Policy- NEP-2020 – **M1 to M5.( Experiential Learning)**

**CONTACT DETAILS:**

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## Year 2022

Focus [1]	Perspective/ Key Areas [2]	PLANNING [3]	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
			<b>F1 / M1</b>  <b>Curriculum Relevance</b>	<b>Re-establishing the relevance of critical thinking in Course outcomes and raising learning levels focusing on Experiential learning of NEP-2020.</b>	<b>Activity-1: BOS meet</b> <b>Outcome/Target:</b> <Quantifiable outcomes/targets> 1. Reframing of COs 2. NEP implementation as multidisciplinary activities  <b>In-charge Faculty:</b> Dr. Keshava Joshi Prof. H.S. Ashoka
<b>Re-establishing the relevance of Program Articulation Matrix-PAM</b>	<b>Activity-1: BOS meet</b> <b>Outcome/Target:</b> <Quantifiable outcomes/targets> 1. Implementation of mapping of CO-PO for the modified COs  <b>In-charge Faculty:</b> Dr. Keshava Joshi Prof. H.S. Ashoka	CO-PO mapping and was discussed in BOS and highlighted in <b>BOS report</b>  Syllabus copy for the implementation of Modified CO-PO mapping		No deviations	No
<b>Conducting</b>	<b>Activity-1: Internal Audit</b>	Both Internal and		No deviations	No

	<b>internal and External Audits</b>	<b>Outcome/Target:</b> <b>&lt;Quantifiable outcomes/targets&gt;</b> <b>1. Verifying the last year outcomes and progress</b> <b>In-charge Faculty:</b> Dr. Shivanand Y.A Dr. Keshava Joshi	External Audit are completed  Internal Audit: 15/07/2022 by Department IQAC  External Audit: 21/07/2022 (Dr. C.M. Kalleshappa, BIET Davangere)		
	<b>Others-</b> if any				

<b>Year 2022</b>					
Focus [1]	Perspective/ Key Areas [2]	PLANNING [3]	<b>Observations / Remarks by Auditors</b>		
			<b>Outcomes achieved</b> [4]	<b>Reasons for any deviation</b> [5]	<b>Further action plan, if applicable</b> [6]
<p style="text-align: center;"><b>F2</b> <b>M1,M2,M4</b></p> <p style="text-align: center;"><b>Exam Results</b></p>	<p style="text-align: center;"><b>Bridge Courses</b></p> <p style="text-align: center;">For all and specific to</p> <p style="text-align: center;"><b>Slow learners &amp; Learning Extensions</b></p>	<p style="text-align: center;"><b>Activity-1: Slow learners classes for below the set target</b></p> <p style="text-align: center;"><b>Outcome/Target:</b> <b>&lt;Quantifiable outcomes/targets&gt;</b></p> <p style="text-align: center;"><b>1. The classes conducted report and the change in observation improved</b></p> <p style="text-align: center;"><b>In-charge Faculty:</b></p>	<p>The classes were conducted for slow learners in Subjects like FM, CPC, TD, MT-I, MT-II, CED-I, CED-II, CPI, CRE-II, PDC.</p> <p>The report and the changes observed are maintained with respective course instructors in the register.</p> <p>The same is verified</p>	<p style="text-align: center;">No Deviations</p>	<p style="text-align: center;">No</p>

		Dr. Lokeshwari N/ Dr. Rashmi S H	by Department IQAC		
	<b>Tutorials for complex courses</b>	<p><b>Activity-1: Class Time table will be implemented with tutorial class for problemetic subjects in coming Even semetsre</b></p> <p><b>Outcome/Target:</b> &lt;Quantifiable outcomes/targets&gt;</p> <ol style="list-style-type: none"> <li><b>1. Time table framed</b></li> <li><b>2. Classes conducted report</b></li> </ol> <p><b>In-charge Faculty:</b> Dr. Lokeshwari N/ Dr. Rashmi S H</p>	<p>The tutorial classes were conducted for subjects designed in the curriculum for tutorial classes.</p> <p>Time table is implemented and classes conducted. Course instructor register is maintained for the same.</p> <p>Its verified by Department IQAC</p>	No deviations	No
	<b>Strengthening Experimental Learning component</b>	<p><b>Activity-1: Lab course will be enhanced</b></p> <p><b>Outcome/Target:</b> &lt;Quantifiable outcomes/targets&gt;</p> <ol style="list-style-type: none"> <li><b>1. Two experiments included in the curriculum</b></li> <li><b>2. Conducted report of the experiment</b></li> </ol> <p><b>In-charge Faculty:</b> Dr. Lokeshwari N/ Dr. Rashmi S H</p>	<p>Atomic absortion spectrophotometer is purchased under the VGST project.</p> <p>Planned to include in the curriculum for the conduction of the experiment.</p>	Other Equipment setups are procured, but not the new one to add in the curriculum.	

	<p style="text-align: center;"><b>Industry Connectivity for Class room</b></p>	<p><b>Activity-1: Conduct of Industrial expert talk and Industrial visits</b></p> <p><b>Outcome/Target:</b> &lt;Quantifiable outcomes/targets&gt;</p> <ol style="list-style-type: none"> <li>1. Two talks</li> <li>2. Report of the talk conducted and its feed back</li> </ol> <p><b>In-charge Faculty:</b> Prof. S.S. Inamdar</p>	<p><b>Industrial visits : 03</b></p> <ol style="list-style-type: none"> <li>1. Sugar Industry, Munvalli on 31/3/22</li> <li>2. Aditya Birla, Karwar on 8/10/22</li> <li>3. Epsilon carbon, Torangal on 3/11/22</li> </ol> <p><b>Expert talk: 02</b></p> <ol style="list-style-type: none"> <li>1. Climate change on 6<sup>th</sup> June 2022</li> <li>2. Shilpa Medicare industry talk in June 2022</li> </ol> <p>All the reports are maintained in the department.</p>	<p style="text-align: center;">No deviations</p>	
	<p><b>Others-</b> if any</p>				

Focus [1]	Perspective/ Key Areas [2]	Year 2022			
		PLANNING [3]	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
<b>F3</b> <b>M3</b> <b>Research</b>	Quality assessment of all research proposals	<b>Activity-1: Research Faculty committee will be formed to check the quality of the submissions</b>  <b>Outcome/Target:</b> <Quantifiable outcomes/targets> <b>1. Submission of 1 reserch proposals</b>  <b>In-charge Faculty:</b> Prof. H.S. Ashoka/ Prof. Kiran rathod	Committee is formed. Dr. Keshava Joshi is member	No deviations	
	<b>IPR:</b> Copyrights and Patents  <b>Paper Publications</b>  <b>Funded Projects</b>	<b>Activity-1: Reserch Faculty committee will be formed to check copyright, patent, paper submissions</b>  <b>Outcome/Target:</b> <Quantifiable outcomes/targets> <b>1. One paper submission</b> <b>2. One funded project submission</b>  <b>In-charge Faculty:</b> Prof. H.S. Ashoka/ Prof. Kiran rathod	1. Paper publications: 03(Q1, Q3, Scopus)  2. Book Chapter: 03  3. Project proposals submitted : 06  4. Project shortlisted by VGST: 01  5. Project accepted by SMS SDMCET: 01	No deviations	



	<b>Others-</b> if any		<ol style="list-style-type: none"> <li>1. Conferences attended: 02</li> <li>2. <b>Best paper awards: 02</b></li> <li>3. FDP/Trainings attended: 04</li> <li>4. Students funded projects: 04</li> <li>5. Students prizes for paper presentation: 05</li> <li>6. <b>Student best business plan by manthan: 01</b></li> </ol>		
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<b>Year 2022</b>					
Focus	Perspective/ Key Areas	PLANNING	<b>Observations / Remarks by Auditors</b>		
			<b>Outcomes achieved</b> [4]	<b>Reasons for any deviation</b> [5]	<b>Further action plan, if applicable</b> [6]
			<b>F4</b> <b>M2 &amp; M5</b>  <b>Value additions</b>	<b>Learning for Placement</b>	<b>Activity-1: Training activities</b>  <b>Outcome/Target:</b> <Quantifiable outcomes/targets> <b>1. Two trainings for students</b>  <b>In-charge Faculty:</b> Dr. Keshava Joshi/ Prof. Kiran Rathod
<b>Soft Skills</b>	<b>Activity-1: Included in curriculum for 1 credit course</b>	Training for soft skill was conducted by college and test		No deviations	

		<b>Outcome/Target:</b> <b>&lt;Quantifiable outcomes/targets&gt;</b> 1. Training will be conducted 2. Test will be conducted <b>In-charge Faculty:</b> Dr. Keshava Joshi/ Prof. Kiran Rathod	was conducted to evaluate for the 1 credit on 16 <sup>th</sup> - 18 <sup>th</sup> Dec 2022		
	<b>Discussion Group</b>	<b>Activity-1: Training on Group discussion</b>  <b>Outcome/Target:</b> <b>&lt;Quantifiable outcomes/targets&gt;</b> 1. GD will be arranged by alumni <b>In-charge Faculty:</b> Dr. Keshava Joshi/ Prof. Kiran Rathod	GD was conducted for the pre final year students through soft skill training conducted from 16 <sup>th</sup> -18 <sup>th</sup> Dec 2022	No deviations	
	<b>English Communication Skills</b>	<b>Activity-1: Training on English communication</b>  <b>Outcome/Target:</b> <b>&lt;Quantifiable outcomes/targets&gt;</b> 1. One training will be arranged by English Professor through department	English communication was covered in softskill training conducted by the college from 16 <sup>th</sup> - 18 <sup>th</sup> Dec 2022	No deviations	

		<b>In-charge Faculty:</b> Dr. Keshava Joshi/ Prof. Kiran Rathod			
	<b>Use of ICT</b> Information Communication Technology	<b>Activity-1:</b>  <b>Outcome/Target:</b> <Quantifiable outcomes/targets> <b>1.</b> <b>In-charge Faculty:</b> Dr. Keshava Joshi/ Prof. Kiran Rathod	Students NPTEL Course completed: 05		
	<b>Others-</b> if any				

<b>Year 2022</b>					
Focus	Perspective/ Key Areas	PLANNING	<b>Observations / Remarks by Auditors</b>		
			<b>Outcomes achieved</b> [4]	<b>Reasons for any deviation</b> [5]	<b>Further action plan, if applicable</b> [6]
<b>F5</b> <b>Community</b> <b>Oriented</b> <b>Services</b>  <b>M3 &amp; M5</b>	Awareness Program	<b>Activity-1: Visit to Village and schools</b>  <b>Outcome/Target:</b> <Quantifiable outcomes/targets> <b>1. One visit will be conducted to bring awareness</b>  <b>In-charge Faculty:</b> Prof. Kiran Rathod	Visited Yerikoppa village, and engaged classes for 8 <sup>th</sup> ,9 <sup>th</sup> , and 10 <sup>th</sup> standard students and educated on mathematics short tricks, basic English grammar and how to manage solid waste in village		

			and also provided the information on scholarship opportunity after 10 <sup>th</sup> standard on 18/11/22		
	<b>Learning Programs through workshops</b>	<b>Activity-1:</b> <b>Outcome/Target:</b> <Quantifiable outcomes/targets> <b>1.</b> <b>In-charge Faculty:</b> Prof. Kiran Rathod			
	<b>Technology Transfer Programs</b>	<b>Activity-1:</b> <b>Outcome/Target:</b> <Quantifiable outcomes/targets> <b>1.</b> <b>In-charge Faculty:</b> Prof. Kiran Rathod			
	<b>Others-</b> if any				

## Year 2022

Focus	Perspective/ Key Areas	PLANNING	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
			<b>F6</b>  <b>Placement</b>	No. of Offers	25
No. of students getting Placed	17				
pay packages being offered	4 Lakh				
MoUs	01				
Internship	32				
Others- if any					

## Year 2022

Focus	Year 2022				
	Perspective	Perspective/ Key Areas	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
<b>F7</b>  <b>Accreditation and Ranking</b>	<b>NBA</b>  <b>Faculty I/C:</b>  <b>NBA Coordinator</b>	<b>Activity-1: NBA preparedness</b>  <b>Outcome/Target:</b> <Quantifiable outcomes/targets> 1. Document and data verification for submission  <b>In-charge Faculty:</b> Dr. Keshava Joshi/ Dr. Lokeshwari N	Not eligible		
	<b>NAAC</b>  <b>Faculty I/C:</b>  <b>NAAC Coordinator</b>	<b>Activity-1: NAAC preparedness</b>  <b>Outcome/Target:</b> <Quantifiable outcomes/targets> 1. Document and Data collection for submission  <b>In-charge Faculty:</b> Dr. Rashmi S H	Submitted all the data for NAAC		
	<b>NIRF</b> ranking.  <b>Faculty I/C:</b> <b>PG Coordinator</b>	<b>Activity-1:</b> <b>Outcome/Target:</b> <Quantifiable outcomes/targets> 1. Documents and data collection for submission  <b>In-charge Faculty:</b>	-		

		Prof. Inamdar			
	<b>Others-</b> if any				

Focus	Year 2022				
	Perspective	Perspective/ Key Areas	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
<b>Others</b>		< Activity/ Outcomes/Targets and Faculty I/C to be mentioned here >			
		< Activity/ Outcomes/Targets and Faculty I/C to be mentioned here >			
		< Activity/ Outcomes/Targets and Faculty I/C to be mentioned here >			

**Remarks**-by the auditing team.


The progress report mentioned above is presented by the concerned department team, verified for its correctness by the auditing team and approved by the concerned authorities mentioned below.

<b>X</b> Quarter	Name and Signature with Date of the concerned authority							
	DUGC Member Secretary	IQAC Coordinator	Faculty I/C of Strategic Plan	<b>Head of the Department</b>	Member-3 Audit Team	Member-2 Audit Team	Member-1 Audit Team	<b>PRINCIPAL</b>