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

Department of Electronics and CommunicationEngineering

STRATEGIC PLAN IMPLEMENTATION REPORT

Audit Report of Strategic Plan for the Year 2022
Date:19.01.2023

For the Year 2022
January to December

Reference: 5 Year Plan   2022-2026

INTRODUCTION:

The purpose of this document is to record the first quarterly progress of the Department based on their stated strategic plan for the year -**2022**(starting from 1st January and ending by 31st 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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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]
F1 / M1 Curriculum Relevance	**Re-establishing the relevance of critical thinking in Course outcomes and raising learning levels focusing on Experiential learning of NEP-2020.**	**Activity-1:** Scheme for entrie program **Outcome/Target:** Scheme finaliasation . **In-charge Faculty:**All Faculty Members	Scheme Finalization		
		Activity-2: Invited Guest Lecture on"Cyber Secuirty" **Outcome/Target:** Syllabus upgradation **In-charge Faculty:**Dr. S. S. Kerur	Invited Guest Lecture on"Cyber Secuirty" Mr. Srinivas k Kulkarni Date:13.01.2022		
		Activity-3: Scheme for entire Program and Syllabus for III & IV semester under NEP scheme **Outcome/Target:**Scheme and Syllabus finaliasation in DUGC meeting. **In-charge Faculty:**Dr. K N Hosur (BOS member secretary)	Scheme for entire Program and Syllabus for III & IV semester under NEP scheme has been prepared. BOS Meeting- 10th August 2022		
		Activity-4: Brainstorming session to fine tune course outcomes and raising learning levels focusing on Experiential learning **Outcome/Target:**Scheme and Syllabus finaliasation in DUGC meeting. **In-charge Faculty:** Dr. K N Hosur (BOS member secretary) Dr. Sharada C Sajjan (DPGC member secretary)	Brainstorming session to fine tune course outcomes and raising learning levels focusing on Experiential learning conducted.		

Focus [1]	Perspective/ Key Areas [2]	Year 2022		
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F1 / M1 Curriculum Relevance	**Re-establishing the relevance of critical thinking in Course outcomes and raising learning levels focusing on Experiential learning of NEP-2020.**	**Activity-5:** Taking approval **from BOS** for Scheme and Syllabus of III & IV semester (100%) under NEP scheme **Outcome/Target:** Scheme and Syllabus finaliasation in BOS meeting. **In-charge Faculty:** Dr. K N Hosur (BOS member secretary)	BOS Meeting conducted on 10th August 2022. Scheme for entire Program and Syllabus for III & IV semester under NEP scheme will be followed		
		Activity-6: Review of 1st year new syllabus for EEE & ECE stream under NEP scheme provided by VTU **Outcome/Target:** Scheme and Syllabus finaliased **In-charge Faculty:** Dr. K N Hosur (BOS member secretary)	Syllabus formed and implemented.		

Focus [1]	Perspective/ Key Areas [2]	Year 2022			
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F1 / M1 Curriculum Relevance	Re-establishing the relevance of Program Articulation Matrix-PAM	**Activity-1:**Analyzing /reviewing current PAM **Target/ Outcomes:**Arriving at some points towards improving new PAM In-charge Faculty:All faculty members Activity-2: Consultation with external academician Target/ Outcomes: Refined PAM In-charge Faculty:All faculty members	Refined PAM is completed Staff I/c: Prof. Kotresh M		
		Activity-3: Analyzing /reviewing current PAM continuation Target/ Outcomes:Arriving at some points towards improving new PAM In-charge Faculty:Mr. Kotresh Marali	2018 scheme PAM Completed 2020 scheme to be completed		
		Activity-4: Analyzing /reviewing current PAM continuation Target/ Outcomes:Arriving at some points towards improving new PAM In-charge Faculty:Mr. Kotresh Marali	Started 2021 scheme PAM		
		Activity-5: Analyzing /reviewing current PAM continuation Target/ Outcomes: Arriving at some points towards improving new PAM In-charge Faculty:Mr. Kotresh Marali	Continued 2021 scheme PAM		
	Conducting internal and External Audits	Internal Audit to be done by IQAC after semester ends. External audit to be carried out by Dr. Deepak K T, IIIT Dharwad DUGC / IQAC	External Audit is completed Dr. Deepak K T, IIT, Dharwad on 14.11.2022		

Focus [1]	Perspective/ Key Areas [2]	Year 2022			
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			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F2 **M1,M2,M4** **Exam Results**	**Bridge Courses** For all and specific to **Slow learners** & **Learning Extensions**	**Activity-1:** Identifying slow learners with IA performance as basis and guiding them clearing their doubts. **Outcome/Target:**Improvement in Results **In-charge Faculty:**Course Instructors of 1st year.	Intiated		
		Activity-2: Identifying slow learners with IA performance as basis and guiding them clearing their doubts. **Outcome/Target:** Improvement in Results **In-charge Faculty:** Course Instructors of 1st year and Higher semester.	Slow learners identified and care has been taken to improve their performances and avoid detaining them. Parents were informed about poor performance of their ward. Mentor/ Guiding STC in July / August 2022		
		Activity-1: Identifying slow learners with IA performance as basis and guiding them clearing their doubts. **Outcome/Target:**Improvement in Results **In-charge Faculty:** Course Instructors of Higher semester	Slow learners identified and care has been taken to improve their performances and avoid detaining them.		Parents have to be informed about poor performance of their ward.
		Activity-1: Identifying slow learners with IA performance as basis and guiding them clearing their doubts. **Outcome/Target:**Improvement in Results **In-charge Faculty:**Course Instructors of Higher semester.	Parents meet conducted on 3rd Dec. 2022		Parents have to be informed about poor performance of their ward.

Focus [1]	Perspective/ Key Areas [2]	Year 2022			
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			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F2 **M1,M2,M4** **Exam Results**	**Tutorials for complex courses**	**Activity-1:** Conducting tutorials as per Syllabus **Outcome/Target:** Two hours per week of tutorial sessions for identified subjects **In-charge Faculty:** Respective Course Instructors	Intiated		
		Activity-2: Conducting tutorials as per Syllabus **Outcome/ Target:** Two hours per week of tutorial sessions for identified subjects . **In-charge Faculty:** Respective Course Instructors	Conducted as per time table.		
		Activity-3: Conducting tutorials as per Syllabus **Outcome/ Target:** Two hours per week of tutorial sessions for identified subjects . **In-charge Faculty:** Respective Course Instructors	Conducted as per time table.		
		Activity-4: Conducting tutorials as per Syllabus **Outcome/ Target:** Two hours per week of tutorial sessions for identified subjects . **In-charge Faculty:** Respective Course Instructors	Conducted as per time table.		

Focus [1]	Perspective/ Key Areas [2]	Year 2022			
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F2 **M1,M2,M4** **Exam Results**	**Strengthening Experiential Learning component**	**Activity-1:** Projects as per syllabus **Outcome/Target: 1.** Completion of Minor Project 1 and Major Project Phase1 2. Synopsis collection for Introductory and Minor project 2 **In-charge Faculty:**All Faculty	Few batches applied for Manthan and VTU Funding		
		Activity-2: Experiment based CTA activitity **Outcome/Target:** Experiential Learning **In-charge Faculty:** Respective Course Instructor	Few faculty Conducted Experiment based CTA activitity		
		Activity-3: Business idea proposal submission **Outcome/Target:** Startup idea **In-charge Faculty:** Dr. S. V. Viraktamath	completed		
		Activity-4: Workshop on PCB Design **Outcome/Target:** Upgrading Skills **In-charge Faculty:** Dr. S. V. Viraktamath	completed		
		Activity-5: Experiment based CTA activitity **Outcome/Target:** Experiential Learning **In-charge Faculty:** Respective Course Instructor	Few faculty conducted Experiment based CTA activitity and completed.		
	Industry Connectivity for Class room	**Activity-1:** Invited Guest Lecture from Industry **Outcome/Target:** Bridging gap between industry and academics **In-charge Faculty:** CIII Office **Activity-2:** Connecting expertise to train respective domain **Outcome/Target:** Placement improvement **In-charge Faculty:** CIII Office	Completed		

Focus [1]	Perspective/ Key Areas [2]	PLANNING [3]	Year 2022		
			Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F3 M3 Research	Quality assessment of all research proposals	**Activity-1:** Formation of Quality assessment committee **Outcome/Target:** Improving success rate of proposal acceptance. **In-charge Faculty:** Assessment committee	Intiated		
		Activity-2: Formation of Quality assessment committee **Outcome/Target:** Improving success rate of proposal acceptance. **In-charge Faculty:** Dr. S S Kerur	Committee formed.		
		Activity-3: Reviewed Two proposals i)PI Dr. Jyashree C N, CO-PI1:Dr. S.S.Navalgund, CO-PI2 Dr. S S Kerur. ii) PI Abhilash Desai (Mech) CO-PI Dr. S.S.Navalgund **Outcome/Target:** Improving number of proposal submission **In-charge Faculty:**Dr. S S Kerur	Two proposals submitted to KSCST Science, Technology and Innovation (STI) Intervention 2022		
		Activity-1: Reviewed Two proposals for seed money from SDMCET 1. Dr. S.S.Navalgund & Dr. Jyashree C N 2. Mrs. Reshma Nadaf **Outcome/Target:** One proposal accepted **In-charge Faculty:** Dr. S S Kerur	Received Seed Money for one proposal		

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]
F3 **M3** **Research**	**IPR:** Copyrights and Patents **Paper** Publications **Funded Projects**	**Activity-1:** Guest lecture from expert on IPR **Outcome/Target:** Motivation to apply for IPR **In-charge Faculty:** Assessment committee	Post poned to next year	Finding suitable resource person	
		Activity-2: Submission of research papers **Outcome/Target:** Publications **In-charge Faculty:** All faculty	Under process		
		Activity-3: Submission of research papers- 02 **Outcome/Target:** Publications **In-charge Faculty:** All faculty	Scopus indexed –2 papers published		
		Activity-4: Planning for Submission of research papers **Outcome/Target:** Publications **In-charge Faculty:** All faculty	Waiting for reviewers report		
	Others- if any				

Focus	Perspective/ Key Areas	Year 2022			
		PLANNING	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F4 **M2 & M5** **Value additions**	**Learning for Placement**	**Activity-1:** Floating the electives to support placement activity **Outcome/Target:** Upgrading technical skills **In-charge Faculty:** Respective course instructors	Under process		
		Activity-2: Floating the electives to support placement activity **Outcome/Target:** Upgrading technical skills **In-charge Faculty:** Respective course instructors	**Offered for 8th sem.: Program Elective** Adhoc Wireless Networks, Re-configurable Design **Open Elective** :DSP Architecture **Offered for 6th sem.: Program Elective** Operating System Data structure using C++ **Open Elective** :Automotive Electronics Placement rating improved.		
		Activity-3: Floating the electives to support placement activity **Outcome/Target:** Upgrading technical skills **In-charge Faculty:** Respective course instructors	**Offered for 7th sem.: Program Elective** ASIC Design , Optical Fiber Communication **Open Elective** :Mobile Computing **Offered for 5th sem.: Program Elective** Object Oriented Programming using C++ Placement rating improved.		
		Activity-4: Floating the electives to support placement activity **Outcome/Target:** Upgrading technical skills **In-charge Faculty:** Respective course instructors	**Offered for7th sem.: Program Elective** ASIC Design , Optical Fiber Communication **Open Elective** :Mobile Computing **Offered for 5th sem.: Program Elective** Object Oriented Programming using C++ Placement rating improved.		

Focus	Perspective/ Key Areas	Year 2022			
		PLANNING	**Observations / Remarks by Auditors**		
			Outcomes achieved [4]	**Reasons for any deviation** [5]	**Further action plan, if applicable** [6]
F4 **M2 & M5** **Value additions**	**Soft Skills**	**Activity-1:** Aptitude and soft skills training **Outcome/Target:** Upgrading logical, analytical and soft skills. **In-charge Faculty:** CIII office	Finding the suitable training resource person and time table scheduled.		
		Activity-2: Aptitude and soft skills training **Outcome/Target:** Upgrading logical, analytical and soft skills. **In-charge Faculty:** CIII office	146 students of 6th semester trainined		
		Activity-3: Aptitude and soft skills training **Outcome/Target:** Upgrading logical, analytical and soft skills. **In-charge Faculty:** CIII office	150 students of 5th semester trainined		
		Activity-4: Aptitude and soft skills training **Outcome/Target:** Upgrading logical, analytical and soft skills. **In-charge Faculty:** CIII office	150 students of 5th semester trained		

Focus	Perspective/ Key Areas	Year 2022			
		PLANNING	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F4 **M2 & M5** **Value additions**	**Discussion Group**	**Activity-1:** Organising Group discussion **Outcome/Target:** Upgrading students' competitive skills **In-charge Faculty:** Placement co-ordinators	Students group planned and scheduled the discussion.		
		Activity-2: Organising Group discussion **Outcome/Target:** Upgrading students' competitive skills **In-charge Faculty:** Mr. Kotresh E. Marali Mr. Shrikanth K. Shirakol	Completed.		
		Not Planned because of SEE academic Term Ending			
		Activity-3: Organising Group discussion **Outcome/Target:** Upgrading students' competitive skills **In-charge Faculty:** Mr. Kotresh E. Marali Mr. Shrikanth K. Shirakol	Completed.		

Focus	Perspective/ Key Areas	Year 2022			
		PLANNING	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F4 **M2 & M5** **Value additions**	**English Communication Skills**	**Activity-1:** Soft skills training **Outcome/Target:** Upgrading English communication skills. **In-charge Faculty:** CIII office	Intitated		
		Activity-2: Soft skills training **Outcome/Target:** Upgrading English communication skills. **In-charge Faculty:** CIII office	Completed.		
		Not Planned because of SEE academic Term Ending			
		Activity-3: Soft skills training **Outcome/Target:** Upgrading English communication skills. **In-charge Faculty:** CIII office	Completed.		
	Use of ICT Information Communication Technology	**Activity-1:** Encouraging students to take up NPTEL/MOOC courses **Outcome/Target:** Enhancement of domain knowledge through certification **In-charge Faculty:** All faculty	Introduced NPTEL/MOOC courses in New PG Scheme as Audit Course		

Focus	Year 2022				
	Perspective/ Key Areas	PLANNING	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F5 **Community Oriented Services** **M3 & M5**	**Awareness Program**	**Activity-1:** On Swacchh Bharath Abhiyaan **Outcome/Target:** Clean environment **In-charge Faculty:** Prof. Dr. S. S. Kerur	Applied projects for funding by UBA (10_2_2022) applied 5 projects to UBA worth of 3.9 lakhs.		
		Activity-2: On Swacchh Bharath Abhiyaan **Outcome/Target:** Clean environment **In-charge Faculty:** Prof. Dr. S. S. Kerur	Carried out by entire class of 6th & 8th semester students.		
		Academic Term Ending			
		Activity-3: On Swacchh Bharath Abhiyaan **Outcome/Target:** Clean environment **In-charge Faculty:** Prof. Dr. S. S. Kerur	Under process		

Focus	Year 2022				
	Perspective/ Key Areas	PLANNING	**Observations / Remarks by Auditors**		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F5 **Community Oriented Services** **M3 & M5**	**Learning Programs through workshops**	**Activity-1:** Upgrading the knowledge of science and technology for rural students. **Outcome/Target:** Motivation to rural students for better understanding **In-charge Faculty:** Prof. Dr. S. S. Kerur and Prof. Dr. S. V. Viraktamath	Carrying out in the next year	Academic clanedar of our college is not matching with school	
	Technology Transfer Programs	**Activity-1:** Computer Awareness Program for rural students/Villagers **Outcome/Target:** Strengthned digital skills for rural students/Villagers **In-charge Faculty:** Prof. Dr. S. S. Kerur	Carrying out in the next year	Academic clanedar of our college is not matching with school	

Focus	Perspective/ Key Areas	PLANNING	Year 2022		
			Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F6 **Placement**	**No. of Offers**	Atleast one offer to each eligible student (175)	offers: 273 Total Placed :143		
	No. of students getting Placed	Minimum 100 students	Total Placed :143		
	pay packages being offered	Average package 5 LPA	Average Packages 4.77 lacs		
	MoUs	1. TATA Motors	TATA Motors, Dharwad Upskilling Certification Program on "Fundamentals of Automobile Electrical and Electronics Engineering"		
	Internship	Approximate 20 students	As per syllabus (4 weeks) Total Students :152		

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]
F7 **Accreditation and Ranking**	**NBA** **Faculty I/C:** **NBA Coordinator**	**Activity-1:** Preparation of NBA documents **Outcome/Target:** Updated NBA files **In-charge Faculty:** Dr. S S Navalgund	Updated NBA files as per Acdemic schedule Preparations are streamlined.		
	NAAC **Faculty I/C:** **NAAC Coordinator**	**Activity-1:** Preparation of NAAC documents **Outcome/Target:** Updated NAAC documents **In-charge Faculty:** Prof. M Vijay Kumar	Updated NAAC files as per Acdemic schedule Preparations are going on		
	NIRF ranking. Faculty I/C: **PG Coordinator**	**Activity-1:** Report on publications, consultancy, funded projects, patents. **Outcome/Target:** NIRF ranking within 200 **In-charge Faculty:** Dr. S. S. Kerur	Updated NIRF files as per Acdemic schedule Preparations are going on.		

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.

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