

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

Department of Electrical & Electronics Engineering

STRATEGIC PLAN IMPLEMENTATION REPORT



Strategic Plan for the Year 2022

(starting from 1st January and ending by 31st December)

Date : 21/01/2023

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 1st January and ending by 31st December). 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**.

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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2. Dr. B. S. Shalavadi, **Faculty I/C- Strategic Plan**, Department of Electrical & Electronics Engineering, SDM College of Engineering and Technology, Dharwad-580002.

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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]
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.	<p>Activity-1: Brain storming session on Relevance of CO'S and its mapping</p> <p>Activity-2: Identifying Trending Subjects</p> <p>In-charge Faculty: Prof. R. L. Chakrasali Mobile: 98454 77797 Email: pratisatu@yahoo.co.in</p>	<p>CO'S and its mapping is done by course teachers is approved in DUGC and BOS and found relevant.</p> <p>Following are new Subjects added</p> <ol style="list-style-type: none"> 1) Internet of things (IOT) 2) PLC and SCADA 3) Python programming <p>placed before BoS (second year course contents) incorporating the features of NEP 2020</p> <p><u>BOS</u> was held on 13-08-22 has been approved.</p>		

	<p>Re-establishing the relevance of Program Articulation Matrix-PAM</p>	<p>Activity-1:Revisit for reassertion of the PAM through discussion in faculty meet In-charge Faculty: Prof. S. G. Nayak Mobile: 94482 00483 Email: shravannayak@rediffmail.com</p>	<p>The process of reestablishment of PAM completed for 2018 Batch and 2021 batch completed till fourth semester.</p>		
	<p>Conducting internal and External Audits</p>	<p>Activity-1: Routine document verification of the activities In-charge Faculty: Prof. V.R. Sheelavant Mobile: 94805 53975 Email: sheel125@gmail.com</p>	<p>Internal audit of 21-22 completed. Extermnal audit was done for 20-21on first june 2022. Department has maintained all academic and nonacademic related documents. Effort from department to enhance placement and overall development of students is evidenced.</p>		

Focus [1]	Perspective/ Key Areas [2]	Year 2022			
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F2 M2,M3 Exam Results	Bridge Courses For all and specific to Slow learners & Learning Extensions	Activity-1: To bring lateral entry students In line with main stream In-charge Faculty: Prof. Manjula S Mobile: 94482 00483 Email: smanjula845@gmail.com	Extra classes were conducted for lateral students in all subjects of third semester and records are maintained in respective course files.		
	Tutorials for complex courses	Activity-1: Tutorial for problem based course In-charge Faculty: Prof. Manjula S Mobile: 94482 00483 Email: smanjula845@gmail.com	Tutorial classes were conducted for Network analysis and Analog Electronics courses and records are maintained in respective course files.		
	Strengthening Experiential Learning component	Activity-1: CTA Assignments Activity-2: Open-ended problems lab experiments Activity-3: Ist Year Do It Yourself In-charge Faculty: Prof. Manjula S	<u>Experiential Learning based CTA</u> Assignments for all courses being implemented. Two experiments are included in Microcontroller lab For Ist Year studens <u>Do It Yourself</u> activity was conducted		

**Industry
Connectivity for
Class room**

Activity-1: Guest Lecture

Activity-2: Industry Defined Projets
In-charge Faculty:
Prof. Manjula S

[Technical talk](#) was arranged on 04-01-22 for V semester students on the topic “ Design and analysis of modern power converters” by Dr. Arjun M., Asst. Prof. EEE Dept. , MIT, Manipal. 69 students had attended the programme.

A one-day [workshop](#) on the topic, “Design and Analysis of modern power converters” was organised for the V semester BE students of EEE department on 10-12-2022. 59 of 69 students participated in the workshop and gave positive feedback.

Under MOU with Tata marcololo one final year batch students namely
1. [Nayana](#) m Chatakondi(2SD18EE033)
2. Sakshi Hegde (2SD18EE051)
3. Sushma Biradar (2SD18EE060)
has done projectwork titled “ Noise cancellation in TATA Buses” under the guidance of prof. V.R.Sheelavant

Focus [1]	Perspective/ Key Areas [2]	Year 2022			
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F3 M3 Research	Quality assessment of all research proposals	<p>Activity-1:Drafting of project proposals Talk by Dr. V. S. Hegde In-charge Faculty: Prof. Pradeep Vibhuti Mobile: 9611828528 Email: pradeepvibhuti@sdmacet.ac.in</p>	Department faculty attended the talk by Dr. V. S. Hegde on how to prepare an effective research proposal held on 22 nd feb.		
	<p>IPR: Copyrights and Patents</p> <p>Paper Publications</p> <p>Funded Projects</p>	<p>Activity-1: one awareness program on IPR for all Faculty</p> <p>Activity-2:To publish /present review/research papers in Journal/Conference</p> <p>Activity-3: preparation of proposals for funding</p> <p>In-charge Faculty: Prof. Pradeep Vibhuti Mobile: 9611828528 Email: pradeepvibhuti@sdmacet.ac.in</p>	<p>Eighteen international journal papers were published.</p> <p>Submitted four proposals to VGST by faculty</p>	Because of non availability of resource person at the scheduled date	<p>Planned to carryout in next year.</p> <p>One proposal of Prof. B.S.Shalavad i and Prof. V.R.Sheelav ant is short listed</p>

Focus	Perspective/ Key Areas	Year 2022			
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F4 M3 & M4 Value additions	Learning for Placement	Activity-1: Arrange for placement related training through CIII In-charge Faculty: Prof. Nandakumara C. Mobile: 99165 41079 Email: cnanda1010@gmail.com	<u>Training</u> on C programming was conducted during 5 th Nov-3 rd Dec 22 for 5 th semester E& E students. 62 out of 69 students have attended. Prof. S.S.Navalgund conducted the training. Department conducted offline placement <u>aptitude and reasoning practice test</u> for third year electrical students on 26 th sept 22. 68 out of 69 students have attended the test.		
	Soft Skills/ Group Discussion	Activity-1: Submission requested to CIII In-charge Faculty: Prof. Nandakumara C. Mobile: 99165 41079 Email: cnanda1010@gmail.com	Three Training on <u>aptitude/soft skills</u> were conducted between 17 th to 19 th june/ 24 th to 26 th September and 25 th and 26 th nov 22 .		
	English Communication Skills	Activity-1: Submission requested to CIII In-charge Faculty: Prof. Nandakumara C. Mobile: 99165 41079 Email: cnanda1010@gmail.com	Proposal submitted to CIII	Because of non availability of resource person at the scheduled date	Completed for current batch of 2021-22
	Use of ICT Information Communication Technology	Activity-1: one awareness program on use of ICT (PPT preparation) for Students In-charge Faculty: Prof. Sanjeeth P. Amminabhavi Mobile: 90604 07235 Email: sanjeethpa5153@gmail.com		Because of delayed start of odd (3) semester	Planed to carryout in even semester

Year 2022

Focus	Perspective/ Key Areas	PLANNING	Observations / Remarks by Auditors		
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F5 Community Oriented Services M4	Awareness Program	Activity-1: Awareness on energy conservation In-charge Faculty: Prof. Sanjeeth P. Amminabhavi Mobile: 90604 07235 Email: sanjeethpa5153@gmail.com		Because of delayed start of odd (3) semester	Planned to carryout in even semester
	Learning Programs through workshops	Activity-1: Arrange one program in school In-charge Faculty: Prof. Sanjeeth P. Amminabhavi Mobile: 90604 07235 Email: sanjeethpa5153@gmail.com		Because of delayed start of odd (3) semester	Planned to carryout in even semester
	Technology Transfer Programs	-----			

Year 2022

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			F6 Placement	No. of Offers	50
No. of students getting Placed	40	53			
pay packages being offered	5 LPA	4 LPA minimum 10 LPA maximum			
MoUs	Activities like industry defined projects are being carried out in continuation with the existing MOU's with HESCOM & TATA Marcopolo	Under MOU with Tata marcololo one final year batch has completed projectwork			
Internship	Planned to send all students to internship				All Students had carried out Internship

Year 2022

Focus	Perspective	Perspective/ Key Areas	Observations / Remarks by Auditors		
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			F7 Accreditation and Ranking	NBA Faculty I/C: Prof. S. G. Nayak Mobile: 94482 00483 Email: shravannayak@rediffmail.com NBA Coordinator	Prepare & apply for compliance report to NBA
NAAC Faculty I/C: Prof. Pradeep Vibhuti Mobile: 9611828528 Email: pradeepvibhu@gmail.com NAAC Coordinator	Provide available document sought by NAAC coordinator	document sought by NAAC coordinator was provided			Submitted all documents
NIRF ranking. Faculty I/C: Dr. S. G. Ankaliki PG Coordinator	To improve upon existing	Maintained the ranking between 200-250			

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								
Ist 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