SDM College of Engineering and Technology, Dhavalagiri, Dharwad-580002
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: In its quest to be a role model institution, committed to meet or exceed the utmost interest of all the stake holders.

Long term goals:
- Emerge as centre of excellence in the area of power and energy systems in next 5 years
- Establishment of more Industry collaborative laboratories in the department

Short term goals:
- Aiming for higher percentage of placements
- Schemes to sustain the credibility of our products in the market
- Enhancement of R&D with external funding and collaborative research

SWOC Analysis:

Strength:

1	Strong teaching learning process.
2	Qualified and competent faculty with an average experience of more than 18 years.
3	Good transition rate and encouraging results.
4	Dedicated supporting staff.
5	33.33% of the faculties are Ph. D holders and 100% are postgraduates.
6	Fully established labs.

7	Thrice NBA accredited autonomous department.
8	External participation in design of the curricula and transparent evaluation process.
9	Computerized student feedback and staff appraisal in place.
10	PG program to augment research.
11	Need based testing and third-party evaluation.
12	Faculty development program and QIP are in force.
13	Conducive learning atmosphere for the students to get educated.
14	Open for inputs to improvise and setting higher benchmark for quality education.

Weakness:

1	Demographic location of the institution
2	Thin industrial hub
3	Governed by admission policy of the state government
4	No regular and assured consultancy and industrial projects
5	Monitory benefits being self-financed institution.
6	Lower priority by the funding agencies in sanctioning the grants being privately managed institution.
7	Relatively average employment opportunities to students in campus

	selection

Opportunities:

1	Building of high image and relevance to the industry and society in general.
2	Would be increasing industry interaction.
3	Sponsored and funded projects
4	Publication to add value to the existing technical literature.
5	Better chances of placements.
6	Facilities to develop all round personality of students.
7	Patents.

Challenges:

1	Retention of qualified staff
2	Competition due to start of new colleges in the vicinity
3	Marked driven placements.

4	The general perception and opinion about the branch are relatively high.

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
Re-establishing the relevance of critical thinking in course outcomes focusing on experiential learning aspects of NEP-2020. [Revisiting application of Bloom's Taxonomy]	Review of curricula to affect the changes sought by the stake holders to the tune of 10%	Review of curricula to affect the changes sought by the stake holders to the tune of 10% of first year. Revise the curricula of second year as per recommendations of AICTE under NEP 2020.	Review of curricula to affect the changes sought by the stake holders to the tune of 10% of second year. Revise the curricula of third year as per recommendations of AICTE under NEP 2020.	Review of curricula to affect the changes sought by the stake holders to the tune of 10% of third year. Revise the curricula of final year as per recommendations of AICTE under NEP 2020.	Complete revision of scheme. Revise the curricula of first year as per recommendations of AICTE under NEP 2020.	Review of curricula to affect the changes sought by the stake holders to the tune of 10% of first year. Revise the curricula of second year as per recommendations of AICTE under NEP 2020.
Gap Analysis and re-establishing the relevance of Program Articulation Matrix-PAM. [Introduction of new	Modified Articulation matrix up to second year	Modify of Articulation matrix	---	---	Modify of Articulation matrix	---

programs/courses/ course weightage (credits/ Th/Lab) / laboratories, realignment/ re-ordering/ re-structuring / content up gradation etc..]						
Academic Audits [Procedures/process/ Information repository and access, credentials etc..]	External Audit of 2020-21 is completed.	Internal Audit-Twice in a year External Audit-Once in a Year	Internal Audit- Twice in a year External Audit- Once in a Year	Internal Audit-Twice in a year External Audit-Once in a Year	Internal Audit-Twice in a year External Audit-Once in a Year	Internal Audit- Twice in a year External Audit- Once in a Year
Any other						
TOTAL Budget for M1		**00.50** Lakhs	**00.50** Lakhs	**00.60** Lakhs	**00.60** Lakhs	**00.60** 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**	Taken care in the respective courses.	Need of Bridge course contents will be taken care in the respective courses.	Need of Bridge course contents will be taken care in the respective courses.	Need of Bridge course contents will be taken care in the respective courses.	Need of Bridge course contents will be taken care in the respective courses.	Need of Bridge course contents will be taken care in the respective courses.
Tutorials for complex courses	Tutorials for complex course –network analysis	2 Courses	2 Courses	2 Courses	2 Courses	2 Courses
Strengthening Experiential Learning component: **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**	Models/Simulation /demonstrative experiments conducted in some subjects	Models/Simulation /demonstrative experiments	Models/Simulation /demonstrative experiments	Models/Simulation /demonstrative experiments	Models/Simulation /demonstrative experiments	Models/Simulation/ demonstrative experiments
Creation of learning materials		1	1	1	1	1

Books/ Laboratory manuals/ Video Materails					
Awareness of Technology trends	1	1	1	1	1
Online Course/ mode of learning and their connectivity with curriculum	---	---	---	---	---
Community Oriented Service **Awareness Program/**	1	2	2	2	2
Learning Programs through workshops/	1	1	1	1	1
Technology Transfer Programs/ Hobby projects	---	---	EV Battery technology	Upgrade battery technology	Upgrade battery technology
EPIC- Engg. Projects in Community Services etc	1	1	1	1	1
Any other					
TOTAL Budget for M2	**05.00 Lakhs**	**05.00 Lakhs**	**06.00 Lakhs**	**07.00 Lakhs**	**07.00 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		1	1	1	1	1
Paper Publications		10	11	12	13	15
IPR: Copyrights and Patents		---	---	---	1	1
Knowledge Sharing.		1	1	1	1	1
Research Quality Review		Proposals will be presented before an expert committee headed by HoD before submission.	Proposals will be presented before an expert committee headed by HoD before submission.	Proposals will be presented before an expert committee headed by HoD before submission.	Proposals will be presented before an expert committee headed by HoD before submission.	Proposals will be presented before an expert committee headed by HoD before submission.
Any other						
TOTAL Budget for M3		**01.50** Lakhs	**01.50** Lakhs	**02.00** Lakhs	**02.50** Lakhs	**03.00** 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.		2	2	2	2	2
MoUs with industries		2	2	2	2	2
Training Programs for Students from Industry personnel.		6 Training programs	6 Training programs	6 Training programs	6 Training programs	6 Training programs
FDPs from Industry personnel.		1	1	1	1	1
Alumni connected activities for students and faculty members		1	1	1	1	1
Sabbatical Leave for faculty members		-	-	-	-	-
Course projects/ Project based learning		1	1	1	1	1

Any other						
TOTAL Budget for M4		**05.00** Lakhs	**05.00** Lakhs	**05.00** Lakhs	**05.00** Lakhs	**05.00** 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		**1**	1	1	1	1
Training programs Soft Skills/ Discussion Group/ English Communication Skills/ Use of ICT		2 programs	2 programs	2 programs	2 programs	2 programs
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		Implementation for second year	Implementation for third year	Implementation for fourth year	Revision	Revision
Branding / Ranking		200-250	175-200	150-175	125-150	100 - 125
Accreditation		---	Secure for 3years	---	---	Secure for 6 years
Autonomy and University status		Autonomy	Autonomy	Autonomy	Autonomy	Autonomy
Starting of new Programs/ Courses		---	---	---	---	---
Industry Collaboration		---	1	1	1	1
MoUs		2	2	2	2	2

University / Institutional Collaboration		---	---	---	---	---
Admission Quality		---	---	---	---	---
Faculty Support and Facilities		---	---	---	---	---
Infrastructure		---	---	---	---	---
Research Laboratories and Center of Excellence		---	---	---	---	---
Automation and Use of ICT		1 Training program	1 Training program	1 Training program	1 Training program	1 Training program
Any other						
TOTAL Budget for Others		00.10 Lakhs	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs

TOTAL BUDGET	**2022-23**	**2023-24**	**2024-25**	**2025-26**	**2026-27**
	11.20 Lakhs	12.20 Lakhs	13.80 Lakhs	15.30 Lakhs	15.80 Lakhs

IQAC Coordinator   Dean Admin   Dean Acad   PRINCIPAL
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