SDM College of Engineering and Technology, Dhavalagiri, Dharwad-580002
STRATEGIC PLAN
[5 Year Plan: 2022-2026]

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 vision and mission** established and also the additional focus suggested by the management keeping focus on National Educational Policy-NEP-2020. Mission statements are the **basic perspectives** driving the newer strategies 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.

ADDITIONAL FOCUS:

F1: Academic results- **M1, M2, M4**

F2: Curriculum relevance- **M1**

F3: Value additions: Teaching, Soft skills, Use of ICT / Presentation, Discussion Groups (Communication skills)- **M2 & M5**

F4: Community oriented services- **M3 & M5**

F5: Additional Academic perspectives: Research papers, Sponsored Projects, Root cause analysis for rejected papers and filling gap.- **M3**

F6: Accreditation and Ranking: NBA, NAAC and NIRF - **M1 to M5& Establishment of strong IQAC to support quality checks and Institutional repository.**

F7: National Educational Policy- NEP-2020 – **M1 to M5.(Experiential Learning)**

PLANNING INCREMENTS:

1st year to 5th year, i.e. **2022** to **2026**; year commencing from 1st of January and ending by 31^{st}December.

CONTACT DETAILS:

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Focus	Perspective	STRATEGIC PLAN				
		2022	2023	2024	2025	2026
Curriculum Relevance	Re-establishing the relevance of critical thinking in Course outcomes and raising levels focusing on Experiential learning of NEP	1. Revising the courses and implementing the same in the Integrated manner focusing on Experiential Learning of NEP. 2. Introduction of Projects at the course level (for one course).	1. Revising the courses and implementing the same in the Integrated manner focusing on Experiential Learning of NEP. 2. 10% of the Projects to be Faculty driven projects. 3. Introduction of Projects at the course level (for two courses).	1. Revising the courses and implementing the same in the Integrated manner focusing on Experiential Learning of NEP. 2. 20% of the Projects to be Faculty driven projects. 2. Introduction of Projects at the course level (for three courses).	1. Revising the courses and implementing the same in the Integrated manner focusing on Experiential Learning of NEP. 2. 30% of the Projects to be Faculty driven projects. 2. Introduction of Projects at the course level (for three courses).	1. Revising the courses and implementing the same in the Integrated manner focusing on Experiential Learning of NEP. 2. 50% of the Projects to be Faculty driven projects. 2. Introduction of Projects at the course level (for three courses).
	Re-establishing the relevance of Program Articulation Matrix	1. Identifying the less emphasized program outcomes and Introducing the relevant courses.(second year)	1. Identifying the less emphasized program outcomes and Introducing the relevant courses.(third year)	1. Identifying the less emphasized program outcomes and Introducing the relevant courses. (fourth year)	1. Identifying the less emphasized program outcomes and Introducing the relevant courses.(complete revision)	1. Identifying the less emphasized program outcomes and Introducing the relevant courses.
	Conducting internal and External Audits	1. Academic audit by Institute level IQAC members and different external bodies such as NITs, IITs, and Industries -	1. Academic audit by Institute level IQAC members and different external bodies such as NITs,	1. Academic audit by Institute level IQAC members and different external bodies such as NITs, IITs,	1. Academic audit by Institute level IQAC members and different external bodies such as NITs, IITs,	1. Academic audit by Institute level IQAC members and different external bodies such as NITs, IITs, and Industries -

		01 in year	IITs, and Industries - 01 in year	and Industries - 01 in year	and Industries - 01 in year	01 in year
	Any Other	.	Conduction of Workshop for NEP based CSE curriculum at Department level	-	Conduction of Workshop for NEP based CSE curriculum at Department level	-

Focus	Perspective	2022	2023	2024	2025	2026
Exam Results	Bridge Courses	For courses like Data Structures, Artificial Intelligence ,OOOPS	For courses like Data Structures, Artificial Intelligence	For courses like data Structures, Artificial Intelligence	For courses like Data Structures, Artificial Intelligence	For courses like Data Structures, Artificial Intelligence
	Tutorials for complex courses	Identifying complex courses which need tutorial	Identifying complex courses which need tutorial	Identifying complex courses which need tutorial	Identifying complex courses which need tutorial	Identifying complex courses which need tutorial
	Strengthening Experiential Learning component	Implementation of Performance Ensuring Measures (PEM) for all the courses.	Implementation of Performance Ensuring Measures (PEM) for all the courses.	Implementation of Performance Ensuring Measures (PEM) for all the courses.	Implementation of Performance Ensuring Measures (PEM) for all the courses.	Implementation of Performance Ensuring Measures (PEM) for all the courses.
	Industry Connectivity for Class room	Inviting industrial experts under IEEE, ACM chapter. At least one talk from industrial experts/Alumni per semester	Inviting industrial experts under IEEE, ACM chapter. At least one talk from industrial experts/Alumni per semester	Inviting industrial experts under IEEE, ACM chapter. At least tw0 talk from industrial experts/Alumni per semester	Inviting industrial experts under IEEE, ACM chapter. At least two talks from industrial experts/Alumni per semester	Inviting industrial experts under IEEE, ACM chapter. At least two talks from industrial experts/Alumni per semester
	Any Other					

Focus	Perspective	2022	2023	2024	2025	2026
Research	IPR: Copyrights and Patents	• Session by internal faculty members who gained/ applied the IPR to highlight about their IPR and procedure of applying the IPR. - 01 • Conducting workshop on IPR to give awareness about **IPR and its importance.** - 01	• Session by internal faculty members who gained/ applied the IPR to highlight about their IPR and procedure of applying the IPR. - 01 • Conducting workshop on IPR to give awareness about **IPR and its importance.** - 01 **Target:** Filing of at least one IPR from the department.	• Session by internal faculty members who gained/applied the IPR to highlight about their IPR and procedure of applying the IPR. - 01	• Session by internal faculty members who gained/applied the IPR to highlight about their IPR and procedure of applying the IPR. - 01 • Conducting workshop on IPR to give awareness about **IPR and its importance.** - 01 **Target:** Filing of at least one IPR from the department.	• Session by internal faculty members who gained/applied the IPR to highlight about their IPR and procedure of applying the IPR. - 01
	Paper Publications	• Conducting a workshop on **How to write research papers, information about different journals.**- 01 1. Publication of papers by research scholars and UG/PG students	Publication of papers by research scholars and UG/PG students related to their problems/projects. **Target:** At least 4 publications in peer reviewed, open access journals	• Conducting a workshop on **How to write research papers, information about different journals.**- 01 • Publication of papers by research scholars and UG/PG students related	Publication of papers by research scholars and UG/PG students related to their problems/projects. **Target:** At least 4 publications in peer reviewed, open access journals	Publication of papers by research scholars and UG/PG students related to their problems/projects. **Target:** At least 4 publications in peer reviewed, open access journals

		related to their problems/projects. **Target:** At least 4 publications in peer reviewed, open access journals		to their problems/projects. **Target:** At least 4 publications in peer reviewed, open access journals		
	Funded Projects	• Conducting a workshop on **"How to write research proposals, information about various funding agency".** - 01 • Session by internal faculty members who received the funding from various agencies to highlight about their project and reasons for rejection or selection of the project. - 01 Target: At least two proposal to be submitted	• Session by internal faculty members who received the funding from various agencies to highlight about their project and reasons for rejection or selection of the project. - 01 Target: At least three proposal to be submitted	• Conducting a workshop on **"How to write research proposals, information about various funding agency".** - 01 • Session by internal faculty members who received the funding from various agencies to highlight about their project and reasons for rejection or selection of the project. - 01 Target: At least three proposal to be submitted	• Session by internal faculty members who received the funding from various agencies to highlight about their project and reasons for rejection or selection of the project. - 01 Target: At least three proposal to be submitted	• Session by internal faculty members who received the funding from various agencies to highlight about their project and reasons for rejection or selection of the project. - 01 Target: At least three proposal to be submitted
	Analysis on project proposals	Formation of the committee at department level for	Formation of the committee at department level for	Formation of the committee at department level for	Formation of the committee at department level for	Formation of the committee at department level for

for its quality relevance	evaluation of project quality and its relevance.	evaluation of project quality and its relevance.	evaluation of project quality and its relevance.	evaluation of project quality and its relevance.	evaluation of project quality and its relevance.
Any Other	-	Conduction of National /International conference.	-	Conduction of National /International conference.	-

Focus	Perspective	2022	2023	2024	2025	2026
Value additions	Learning for Placement	Aptitude tests as placement preparation- includes both general aptitude and technical aptitude – 02 per semester Refresher course on C, DS and algorithms – 01 per year C++ training for 2nd year / 3rd year students – 02 per year Mock interviews by placed students/ alumni for 3rd year students – 01 per year *Industry relevant usage tools training through CIII for 3rd year students-02 per year. Talk on placement preparations from alumni to the 3rd year students – 02 per semester	Aptitude tests as placement preparation- includes both general aptitude and technical aptitude – 02 per semester Bridge course on C – 01 per year C++ training for 2nd year / 3rd year students – 02 per year Mock interviews from placed students to 3rd year students – 01 per semester *Industry relevant usage tools training through CIII for 3rd year students-02 per year. Talk on placement preparations from	Aptitude tests as placement preparation- includes both general aptitude and technical aptitude – 02 per semester Bridge course on C – 01 per year C++ training for 2nd year / 3rd year students – 02 per year Mock interviews from placed students to 3rd year students – 01 per semester *Industry relevant usage tools training through CIII for 3rd year students-02 per year.	Aptitude tests as placement preparation- includes both general aptitude and technical aptitude – 02 per semester Bridge course on C – 01 per year C++ training for 2nd year / 3rd year students – 02 per year Mock interviews from placed students to 3rd year students – 01 per semester *Industry relevant usage tools training through CIII for 3rd year students-02 per year.	Aptitude tests as placement preparation- includes both general aptitude and technical aptitude – 02 per semester Bridge course on C – 01 per year C++ training for 2nd year / 3rd year students – 02 per year Mock interviews from placed students to 3rd year students – 01 per semester *Industry relevant usage tools training through CIII for 3rd year students-02 per year.

		Hack-a-thon / Coding contest – 02 per year	alumni to the 3rd year students – 02 per year	Talk on placement preparations from alumni to the 3rd year students – 02 per year	Talk on placement preparations from alumni to the 3rd year students – 02 per year	Talk on placement preparations from alumni to the 3rd year students – 02 per year
	Soft Skills	Pick and speak and/or debate – 01 per year Essay writing – 01 Soft skills training through CIII **Target** 01 per year	Hack-a-thon / Coding contest – 02 Pick and speak and/or debate – 01 per year Essay writing – 01	Hack-a-thon / Coding contest – 02 Pick and speak and/or debate – 01 per year Essay writing – 01	Hack-a-thon / Coding contest – 02 Pick and speak and/or debate – 01 per year Essay writing – 01	Hack-a-thon / Coding contest – 02 Pick and speak and/or debate – 01 per year Essay writing – 01
	Discussion Group	Formation of technical club	At least one activity under club	At least one activity under club	At least one activity under club	At least one activity under club
	English Communication Skills	Project exhibition to showcase their project through relevant presentation – 01 per year Presentation related to Internship by students 01 per year Email writing session for	Project exhibition to showcase their project through relevant presentation – 01 per year	Project exhibition to showcase their project through relevant presentation – 01 per year	Project exhibition to showcase their project through relevant presentation – 01 per year	Project exhibition to showcase their project through relevant presentation – 01 per year

	3rd year students				
Use of ICT	Video learning materials for different courses	Video learning materials for different courses	Video learning materials for different courses	Video learning materials for different courses	Video learning materials for different courses
Any Other	Extra-curricular / Co-curricular activities like Rangoli, Best out of waste, Kite flying, Googly Cricket tournament, etc.	Extra-curricular / Co-curricular activities like Rangoli, Best out of waste, Kite flying, Googly Cricket tournament, etc.	Extra-curricular / Co-curricular activities like Rangoli, Best out of waste, Kite flying, Googly Cricket tournament, etc.	Extra-curricular / Co-curricular activities like Rangoli, Best out of waste, Kite flying, Googly Cricket tournament, etc.	Extra-curricular / Co-curricular activities like Rangoli, Best out of waste, Kite flying, Googly Cricket tournament, etc.

- **Indicate the training under CIII (Centre for Industry Institute Interaction) and is done at college level.**

Focus	Perspective	2022	2023	2024	2025	2026
Accreditation and Ranking	NBA	Preparation of compliance report and evidence collection	Submission of SAR/compliance report	Action based on outcome of NBA visit	Action based on outcome of NBA visit	Preparing SAR/compliance report for next NBA
	NAAC	Preparing NAAC document as per requirement of provisional NAAC guidelines	Continue with provisional NAAC and prepare documents required for regular NAAC	Apply for regular NAAC	Action based on NAAC team visit and submitting AQAR	Submitting AQAR
	NIRF ranking	Creating awareness about NIRF ranking and improving publication quality and funded projects	To achieve place in the band of 200-250	To achieve place in the band of 150-200	Maintaining and improving the NIRF ranking	Maintaining and improving the NIRF ranking
	Any Other					

Focus	Perspective	2022	2023	2024	2025	2026
Community Oriented Services	Awareness Program	Awareness program about nature and society Target: at least one activity	Awareness program about nature and society Target: at least one activity	Awareness program about nature and society Target: at least one activity	Awareness program about nature and society Target: at least one activity	Awareness program about nature and society Target: at least one activity
	Learning Programs	1. Strengthening education standards of high school students of the adopted village under UBA Target: at least one activity	1. Strengthening education standards of high school students of the adopted village under UBA Target: one activity in each	1. Strengthening education standards of high school students of the adopted village under UBA 2. NMMS training to Govt. school students Target: one activity in each	1. Strengthening education standards of high school students of the adopted village under UBA 2. NMMS training to Govt. school students Target: one activity in each Target: 2 Schools	1. Strengthening education standards of high school students of the adopted village under UBA 2. NMMS training to Govt. school students Target: one activity in each Target: 2 Schools
	Technology Transfer Programs	Enhancing the digital literacy of Government school teachers Target: One activity		Enhancing the digital literacy of Government school teachers Target: One activity		Enhancing the digital literacy of Government school teachers Target: One activity
	Any Other	-	-	-	-	