#### 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:**

## **Long term goals:**

1. PG program in Mathematics

#### Short term goals:

- 1. Sanction of research funds
- 2. Introduce B.Sc (Hons) for four years.

### **SWOC Analysis:**

## **Strength:**

- 1. 63% of faculty (5 out of 8) are Ph.D holders, 88% of faculty (7 out 8) are into research, publishing research articles in reputed International Journal.
- 2. Faculty have a teaching experience of more than 15 years hence resulting in excellent teaching and learning.

#### Weakness:

- 1.50% 60% of faculty are not capable of using mathematical tools (or software).
- 2. Failing to get research grants from funding agencies.

### **Opportunities:**

1. To introduce B.Sc (Hons) degree in Mathematics with syllabus having a blend of Science and Technology.

#### **Challenges:**

- 1. Competition with degree colleges and Karnataka University.
- **2.** Getting research grants from funding agencies.

# **Planning Increments:**

1st year to  $5^{th}$  year i.e 2022-23 to 2026-27; year commencing from  $1^{st}$  January 2022 and eding by  $31^{st}$  June  $21^{st}$  July 2022 to  $30^{th}$  June 2023.

## **Contact Details:**

1. **Dr. K. Gopinath**, Principal, SDM College of Engineering and Technology, Dharwad-580002.

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# 1. To have contextually relevant Curricula.

Strategies/ Key Areas	Baseline Status /			Activities		
for M1	Value as on 30th June 2022	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.	Routine activity by individual teachers while doing changes in the syllabus during BoS meeting.  Implementation differences among faculty members at different time.  Reasonable understanding of mapping COs to POs and therefore moderate compliance of assessment tool with COs.  Moderate Industry relevance in assessment tool.	Activity 1: Framing syllabus  Outcome/Target:  Preparation of full syllabus with COs and POs mapping.  Branch specific Syllabus to be framed as per requirement of department.  Final syllabus as per NEP2020 to meet OBE.  Budget: 00.10 Lakhs  Deliverables: Documents of BOS conducted.  In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	Activity 1: Framing syllabus .  Outcome/Target: 10% change in syllabus.  Budget: 00.10 Lakhs  Deliverables: Documents of BOS conducted.  In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet .ac.in	Activity 1: Framing syllabus .  Outcome/Target: 10% change in syllabus.  Budget: 00.10 Lakhs  Deliverables: Documents of BOS conducted.  In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac in	Activity 1: Framing syllabus .  Outcome/Target: 10% change in syllabus.  Budget: 00.10 Lakhs  Deliverables: Documents of BOS conducted.  In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac in	Activity 1: Framing syllabus  Outcome/Target:  • Preparation of full syllabus with COs and POs mapping.  • Branch specific Syllabus to be framed as per requirement of department.  • Final syllabus as per NEP2020 to meet OBE.  Budget: 00.10 Lakhs  Deliverables: Documents of BOS conducted.  In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmeet.ac
Gap Analysis and re- establishing the	Faculty have attended FDP on use	Activity 1: • Reviewing current PAM with	Activity 1:  • Reviewing current	Activity 1:  Reviewing current	Activity 1:  • Reviewing current	Activity 1:  • Reviewing current PAM

relevance of Program Articulation Matrix- PAM. [Introduction of new programs/courses/ course weightage ( credits/Th/Lab) / laboratories, realignment/ re- ordering/ re-structuring / content up gradation etc]	of mathematical tool "Geogebra" arranged by the department. This has been used to demonstrate to students.	respect to meeting POs through theory / labs to identify the gaps.  Establishing the PAM to overcome the gaps.  Outcome/Target:Bridging the gaps to meet OBE.  Budget: 00.10 Lakhs.  Deliverables: 1.Documents on minutes of meeting held.  In-charge Faculty: Dr. Basavaraj Hoogar Mobile: 8951582908 Email: basavarajsh.12@gmail.com	PAM with respect to meeting POs through theory / labs to identify the gaps.  • Establishing the PAM to overcome the gaps.  Outcome/Target:Bridging the gaps to meet OBE.  Budget: 00.10 Lakhs.  Deliverables: 1.Documents on minutes of meeting held.  In-charge Faculty: Dr. Basavaraj Hoogar Mobile: 8951582908 Email: basavarajsh.12@gmail.co m	PAM with respect to meeting POs through theory / labs to identify the gaps.  Establishing the PAM to overcome the gaps.  Outcome/Target:Bridging the gaps to meet OBE.  Budget: 00.10 Lakhs.  Deliverables: 1.Documents on minutes of meeting held.  In-charge Faculty: Dr. Basavaraj Hoogar Mobile: 8951582908 Email: basavarajsh.12@gmail.com	PAM with respect to meeting POs through theory / labs to identify the gaps.  • Establishing the PAM to overcome the gaps.  Outcome/Target: Bridging the gaps to meet OBE.  Budget: 00.10 Lakhs.  Deliverables: 1.Documents on minutes of meeting held.  In-charge Faculty: Dr. Basavaraj Hoogar Mobile: 8951582908 Email: basavarajsh.12@gmail.com	with respect to meeting POs through theory / labs to identify the gaps.  • Establishing the PAM to overcome the gaps.  Outcome/Target:Bridging the gaps to meet OBE.  Budget: 00.10 Lakhs.  Deliverables: 1.Documents on minutes of meeting held.  In-charge Faculty: Dr. Basavaraj Hoogar Mobile: 8951582908 Email: basavarajsh.12@gmail.com
Academic Audits [Procedures/process/ Information repository and access, credentials etc]	Two Internal audit was done by IQAC/DUGC and external audit by experts from IIT Dharwad	Activity 1:  Two internal  IQAC/DUGC team formation.  Outcome/Target: Maintain quality of Internal/External question paper.  Budget: 00.05 Lakhs  Deliverables: Documents on minutes of meeting at department level and BOE held for SEE.  In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com  Activity 2: External academician identified for audit Outcome/Target: Maintain quality of Internal/External question paper.	Activity 1:  Two internal  IQAC/DUGC team formation.  Outcome/Target: Maintain quality of Internal/External question paper.  Budget: 00.05 Lakhs  Deliverables: Documents on minutes of meeting at department level and BOE held for SEE.  In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com  Activity 2: External academician identified for audit	Activity 1:  Two internal  IQAC/DUGC team formation.  Outcome/Target:  Maintain quality of Internal/External question paper.  Budget: 00.05 Lakhs  Deliverables: Documents on minutes of meeting at department level and BOE held for SEE.  In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com  Activity 2: External academician identified for audit Outcome/Target:	Activity 1:  Two internal  IQAC/DUGC team formation.  Outcome/Target: Maintain quality of Internal/External question paper.  Budget: 00.05 Lakhs  Deliverables: Documents on minutes of meeting at department level and BOE held for SEE.  In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com  Activity 2: External academician identified for audit Outcome/Target:	Activity 1:  Two internal  IQAC/DUGC team formation.  Outcome/Target: Maintain quality of Internal/External question paper.  Budget: 00.05 Lakhs  Deliverables: Documents on minutes of meeting at department level and BOE held for SEE.  In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com  Activity 2: External academician identified for audit Outcome/Target: Maintain quality of Internal/External question paper.

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Any other					
TOTAL Budget for M1	00.30 Lakhs	00.30 Lakhs	00.30 Lakhs	00.30 Lakhs	00.30 Lakhs

# M2.To promote effective Teaching Learning Practices supported by Modern Educational Tools and Techniques.

Areas for M2    Areas for M2   Substitute as on 30th June 2022   2022-23   2023-24   2024-25   2025-26   2026-27	Strategies / Key	Baseline Status			Activities		
conducted for the lateral entry students. (II year) .    Strong in basics to handle engineering mathematics and its application from second year onwards.    Bridge Courses   For all and specific to Slow learners		,	2022-23	2023-24	2024-25	2025-26	2026-27
regular bases. Prof.Preeti Jinagouda Mobile: 9036242778 Mobile: 9036242778 Email:preetijinagouda@gmail.co m Prof.Preeti Jinagouda@gmail.co om Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.co om Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.co om Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.co om Email:preetijinagouda@gmail.co om Email:preetijinagouda@gmail.co	For all and specific to	Bridge course conducted for the lateral entry students to covering the first year syllabus( in odd semester of II year)  Remedial classes conducted on	lateral entry students.( II year) .  Outcome/Target: Strong in basics to handle engineering mathematics and its application from second year onwards.  Budget: 00.01 Lakhs.  Deliverables: 1 Attendence of students. 2.Question papers of I.A's conducted. 3. Assignments 4. Result of I.A conducted.  In-charge Faculty: Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.co m  Activity 2: Remedial classes for	lateral entry students.( II year) .  Outcome/Target: Strong in basics to handle engineering mathematics and its application from second year onwards.  Budget: 00.01 Lakhs.  Deliverables: 1 Attendence of students. 2.Question papers of I.A's conducted. 3. Assignments 4. Result of I.A conducted.  In-charge Faculty: Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.c om  Activity 2: Remedial classes	lateral entry students.( II year) .  Outcome/Target: Strong in basics to handle engineering mathematics and its application from second year onwards.  Budget: 00.01 Lakhs.  Deliverables: 1 Attendence of students. 2.Question papers of I.A's conducted. 3. Assignments 4. Result of I.A conducted.  In-charge Faculty: Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.c om  Activity 2: Remedial classes	lateral entry students.( II year) .  Outcome/Target: Strong in basics to handle engineering mathematics and its application from second year onwards.  Budget: 00.01 Lakhs.  Deliverables: 1 Attendence of students. 2.Question papers of I.A's conducted. 3. Assignments 4. Result of I.A conducted.  In-charge Faculty: Prof. Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.co m  Activity 2: Remedial classes for	Strong in basics to handle engineering mathematics and its application from second year onwards.  Budget: 00.01 Lakhs.  Deliverables: 1 Attendence of students. 2. Question papers of I.A's conducted. 3. Assignments 4. Result of I.A conducted.  In-charge Faculty: Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.com  Activity 2: Remedial classes for slow learners.

		Outcome/Target: Students are identified based on their I.A scores( preferably <8).Help them build confidence in understanding the concept.  Budget: 00.01 Lakhs.  Deliverables: 1. Attendance of students. 2. Topics covered 3. Monitoring the level of understanding.  In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail. com	Outcome/Target: Students are identified based on their I.A scores( preferably <8).Help them build confidence in understanding the concept.  Budget: 00.01 Lakhs.  Deliverables: 1. Attendance of students. 2.Topics covered 3.Monitoring the level of understanding.  In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail.com	Outcome/Target: Students are identified based on their I.A scores( preferably <8).Help them build confidence in understanding the concept.  Budget: 00.01 Lakhs.  Deliverables: 1. Attendance of students. 2.Topics covered 3.Monitoring the level of understanding.  In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail.com	Outcome/Target: Students are identified based on their I.A scores( preferably <8).Help them build confidence in understanding the concept.  Budget: 00.01 Lakhs.  Deliverables: 1. Attendance of students. 2.Topics covered 3.Monitoring the level of understanding.  In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail.com	Students are identified based on their I.A scores( preferably <8).Help them build confidence in understanding the concept.  Budget: 00.01 Lakhs.  Deliverables: 1. Attendance of students. 2.Topics covered 3.Monitoring the level of understanding.  In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail.c om
Tutorials for complex courses	Tutorials conducted to explore more mathematical problems.	Activity 1: 2 tutorial classes per unit Outcome/Target: To understand the topic in-depth. Budget: 00.01 Lakhs Deliverables: 1. Attendence of students. 2. Asssignment In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail.com	Activity 1: 2 tutorial classes per unit Outcome/Target: To understand the topic indepth. Budget: 00.01 Lakhs Deliverables: 1. Attendence of students. 2. Asssignment In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail	Activity 1: 2 tutorial classes per unit Outcome/Target: To understand the topic indepth. Budget: 00.01 Lakhs Deliverables: 1. Attendence of students. 2. Asssignment In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail	Activity 1: 2 tutorial classes per unit Outcome/Target: To understand the topic in-depth. Budget: 00.01 Lakhs Deliverables: 1. Attendence of students. 2. Asssignment In-charge Faculty: Prof.P.S.Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail	Activity 1: 2 tutorial classes per unit Outcome/Target: To understand the topic in-depth. Budget: 00.01 Lakhs Deliverables: 1. Attendence of students. 2. Asssignment In-charge Faculty: Prof. P. S. Badiger Mobile: 9741143057 Email:prakashbadiger601@gmail
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	Assignment and Quiz conducted	Activity-: CTA from Mathematics lab component Target/ Outcomes: Concepts in Mathematics are understood through mathematics lab. Students are evaluated on the basis of the concept learnt in mathematics lab Budget: 00.01 Deliverables: 1. Lab journel maintained 2. Attendence of students. 3. Marks obtained in the lab test which is conducted at the end of semester. In-charge Faculty:: Dr. Basavaraj Hoogar Mobile: 8951582908 Email:	Activity-1: CTA from Mathematics lab component Target/ Outcomes: Concepts in Mathematics are understood through mathematics lab.Students are evaluated on the basis of the concept learnt in mathematics lab Budget: 00.01 Deliverables: 1.Lab journel maintained 2.Attendence of students. 3. Marks obtained in the lab test which is conducted at the end of semester. In-charge Faculty:: Dr. Basavaraj Hoogar Mobile: 8951582908	Activity-1: CTA from Mathematics lab component Target/ Outcomes: Concepts in Mathematics are understood through mathematics lab. Students are evaluated on the basis of the concept learnt in mathematics lab Budget: 00.01 Deliverables: 1. Lab journel maintained 2. Attendence of students. 3. Marks obtained in the lab test which is conducted at the end of semester. In-charge Faculty:: Dr. Basavaraj Hoogar Mobile: 8951582908	Activity-1: CTA from Mathematics lab component Target/ Outcomes: Concepts in Mathematics are understood through mathematics lab. Students are evaluated on the basis of the concept learnt in mathematics lab Budget: 00.01 Deliverables: 1. Lab journel maintained 2. Attendence of students. 3. Marks obtained in the lab test which is conducted at the end of semester. In-charge Faculty:: Dr. Basavaraj Hoogar Mobile: 8951582908	Activity-1: CTA from Mathematics lab component Target/ Outcomes: Concepts in Mathematics are understood through mathematics lab.Students are evaluated on the basis of the concept learnt in mathematics lab Budget: 00.01 Deliverables: 1. Lab journel maintained 2. Attendence of students. 3. Marks obtained in the lab test which is conducted at the end of semester. In-charge Faculty:: Dr. Basavaraj Hoogar Mobile: 8951582908

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	Video's	Activity-1:	Activity-1:	Activity-1:	Activity-1:	Activity-1:
	prepared on	5-6 Video's on topics covered	5-6 Video's on topics covered	5-6 Video's on topics covered	5-6 Video's on topics covered	5-6 Video's on topics covered
	various topics.	during semester.	during semester.	during semester.	during semester.	during semester.
		Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:
		Students can refer to the topics to	Students can refer to the topics	Students can refer to the topics	Students can refer to the topics to	Students can refer to the topics
		understand better.	to understand better.	to understand better.	understand better.	understand better.
		Budget:	Budget:	Budget:	<b>Budget:</b>	Budget:
		00.01 Lakhs	00.01 Lakhs	00.01 Lakhs	00.01 Lakhs	00.01 Lakhs
		Deliverables:	Deliverables:	Deliverables:	Deliverables:	Deliverables:
		Links of video created.	Links of video created.	Links of video created.	Links of video created.	Links of video created.
		In-charge Faculty:	In-charge Faculty:	In-charge Faculty:	In-charge Faculty:	In-charge Faculty:
		Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.
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Creation of		om	1.com	l.com	om	om
learning		Activity-2:	Activity-2:	Activity-2:	Activity-2:	Activity-2:
materials		Lab manual	Lab manual	Lab manual	Lab manual	Lab manual
		Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:
Books/		Students can refer to the manual	Students can refer to the	Students can refer to the	Students can refer to the manual	Students can refer to the manu
aboratory		to work /visualize on the concepts	manual to work /visualize on	manual to work /visualize on	to work /visualize on the concepts	work /visualize on the concep
nanuals/ Video	Lab manual	of mathematics	the concepts of mathematics	the concepts of mathematics	of mathematics	mathematics
<b>Aaterials</b>	planned.	Budget:	Budget:	Budget:	Budget:	Budget:
		00.01 Lakhs	00.01 Lakhs	00.01 Lakhs	00.01 Lakhs	00.01 Lakhs
		Deliverables:	Deliverables:	Deliverables:	Deliverables:	Deliverables:
		Copy of the manual	Copy of the manual	Copy of the manual	Copy of the manual	Copy of the manual
		In-charge Faculty:	In-charge Faculty:	In-charge Faculty:	In-charge Faculty:	In-charge Faculty:
		Prof. Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.
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		Om.	l.com.	l.com.	om.	om.
		Dr. Basavaraj Hoogar	Dr. Basavaraj Hoogar	Dr. Basavaraj Hoogar	Dr. Basavaraj Hoogar	Dr. Basavaraj Hoogar
		Mobile: 8951582908 Email:	Mobile: 8951582908	Mobile: 8951582908 Email:	Mobile: 8951582908 Email:	Mobile: 8951582908
			Email:			Email: basavarajsh.12@gmai
		basavarajsh.12@gmail.com	basavarajsh.12@gmail.com	basavarajsh.12@gmail.com	basavarajsh.12@gmail.com	, 55
	Planned	Activity-1:	Activity-1:	Activity-1:	Activity-1:	Activity-1:
	1 iaiiiicu	Interaction with industry expert	Interaction with industry expert	Interaction with industry expert	Interaction with industry expert	Interaction with industry expe
		Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:	Target/ Outcomes:
		To understand and apply/relate to	To understand and apply/relate	To understand and apply/relate	To understand and apply/relate to	To understand and apply/rela
		their course content.	to their course content.	to their course content.	their course content.	their course content.
		Budget:	Budget:	Budget:	Budget:	Budget:
Awareness of		00.02 Lakhs	00.02 Lakhs	00.02 Lakhs	00.02 Lakhs	00.02 Lakhs
Technology		Deliverables:	Deliverables:	Deliverables:	Deliverables:	Deliverables:
trends		Documentation of the program	Documentation of the program	Documentation of the program	Documentation of the program	Documentation of the program
		planned.	planned.	planned.	planned.	planned.
		In-charge Faculty:	In-charge Faculty:	In-charge Faculty:	In-charge Faculty:	In-charge Faculty:
		Dr.Jenifer J.Karnel	Dr.Jenifer J.Karnel	Dr.Jenifer J.Karnel	Dr.Jenifer J.Karnel	Dr.Jenifer J.Karnel
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		Email:hodmaths@sdmcet.ac.in	Email:hodmaths@sdmcet.ac.in	Email:hodmaths@sdmcet.ac.in	Email:hodmaths@sdmcet.ac.in	Email:hodmaths@sdmcet.ac.i

Online Course/ mode of learning and their connectivity with curriculum	Faculty Registered for FDP's through NPTEL online courses.	Activity-1: Registering for online courses and getting certified through exam.  Target/ Outcomes: Update with new emerging areas, and introduce them to students.  Budget: 00.01 Lakhs Deliverables: Certificate of completion of course In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	Activity-1: Registering for online courses and getting certified through exam.  Target/ Outcomes: Update with new emerging areas, and introduce them to students.  Budget: 00.01 Lakhs Deliverables: Certificate of completion of course In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	Activity-1: Registering for online courses and getting certified through exam. Target/ Outcomes: Update with new emerging areas, and introduce them to students. Budget: 00.01 Lakhs Deliverables: Certificate of completion of course In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	Activity-1: Registering for online courses and getting certified through exam.  Target/ Outcomes: Update with new emerging areas, and introduce them to students.  Budget: 00.01 Lakhs Deliverables: Certificate of completion of course In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	Activity-1: Registering for online courses and getting certified through exam. Target/ Outcomes: Update with new emerging areas, and introduce them to students. Budget: 00.01 Lakhs Deliverables: Certificate of completion of course In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in
Community Oriented Service  Awareness Program/ Learning Programs through workshops/ Technology Transfer Programs/ Hobby projects EPIC- Engg. Projects in Community Services etc	mathematics classes for X std students under village adoptation schem"Shalege banni sannivara"	Coaching in mathematics to students of low financial background in neighbouring vicinity.  Target/ Outcomes: Students get free coaching, and also get introduced to higher learning.  Budget: 00.05 Lakhs Deliverables: 1.Documents maintained regarding tie-up with any school/NGO. 2. Records of students attending the classes.  In-charge Faculty: Prof. Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.co	Coaching in mathematics to students of low financial background class in neighbouring vicinity.  Target/ Outcomes: Students get free coaching, and also get introduced to higher learning.  Budget: 00.05Lakhs Deliverables: 1.Documents maintained regarding tie-up with any school/NGO. 2. Records of students attending the classes.  In-charge Faculty: Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.c om	Coaching in mathematics to students of low financial background class in neighbouring vicinity.  Target/ Outcomes: Students get free coaching, and also get introduced to higher learning.  Budget: 00.05 Lakhs Deliverables: 1.Documents maintained regarding tie-up with any school/NGO. 2. Records of students attending the classes.  In-charge Faculty: Prof.Preeti Jinagouda Mobile: 9036242778 Email:preetijinagouda@gmail.c om	Coaching in mathematics to students of low financial background class in neighbouring vicinity.  Target/ Outcomes: Students get free coaching, and also get introduced to higher learning.  Budget: 00.05 Lakhs Deliverables: 1.Documents maintained regarding tie-up with any school/NGO. 2. Records of students attending the classes.  In-charge Faculty: Prof. Preeti Jinagouda Mobile: 9036242778 Email: preetijinagouda@gmail.co	Activity-1: Coaching in mathematics to students of low financial backward class in neighbouring vicinity. Target/ Outcomes: Students get free coaching, and also get introduced to higher learning. Budget: 00.05 Lakhs Deliverables: 1. Documents maintained regarding tie-up with any school/NGO. 2. Records of students attending the classes. In-charge Faculty: Prof. Preeti Jinagouda Mobile: 9036242778 Email: preetijinagouda@gmail.com
TOTA	AL Budget for M2	01.4 Lakhs	01.4 Lakhs	01.4 Lakhs	01.4 Lakhs	01.4 Lakhs

# M3. To enhance research culture.

	Baseline		Activities					
Strategies / Key Areas for M3	Status / Value as on 30th June 2022	2022-23	2023-24	2024-25	2025-26	2026-27		
	Applied for	Activity-1: Formation of core team	Activity-1: Formation of core					

Funded	VGST	to assess quality and review.	team to assess quality and review.	team to assess quality and review.	team to assess quality and review.	team to assess quality and review.
Projects	funded projects	Identification of emerging and interdisciplinary areas of research	Identification of emerging and interdisciplinary areas of research	Identification of emerging and interdisciplinary areas of research	Identification of emerging and interdisciplinary areas of research	Identification of emerging and interdisciplinary areas of research
		Outcome/Target:	Outcome/Target:	Outcome/Target:	Outcome/Target:	Outcome/Target:
		Improving success rate of research proposal acceptance. Secure external funding.	Improving success rate of research proposal acceptance. Secure external funding.	Improving success rate of research proposal acceptance. Secure external funding.	Improving success rate of research proposal acceptance. Secure external funding.	Improving success rate of research proposal acceptance. Secure external funding.
		Budget:00.25 Lakhs Deliverables: 1.Documents on communication with funding agency.  2.Report on various stages of the	Budget: 00.25 Lakhs Deliverables: 1. Documents on communication with funding agency.	Budget: 00.25 Lakhs Deliverables: 1. Documents on communication with funding agency.	Budget:00.25 Lakhs Deliverables: 1.Documents on communication with funding agency.	Budget: 00.25 Lakhs Deliverables: 1. Documents on communication with funding agency.
		ongoing project	2.Report on various stages of the ongoing project	2.Report on various stages of the ongoing project	2.Report on various stages of the ongoing project	2.Report on various stages of the ongoing project
		In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email: shailajashirkol@gmail.com	In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email:shailajashirkol@gmail.com			
	Published research	Activity-1: Publication of 4-5 research papers.				
	papers International and -18	Outcome/Target:	Outcome/Target:	Outcome/Target:	Outcome/Target:	Outcome/Target:
	National-06	Improvement in research Publications				
Paper		Increase in number of publications				
Publications		Budget:00.25 Lakhs	Budget :00.25 Lakhs	Budget :00.25 Lakhs	Budget :00.25 Lakhs	Budget :00.25 Lakhs
		Deliverables: List of research papers with corresponding Links . In-charge Faculty: Dr.D.P.Basti Email:dpbasti2016gmail.com Mobile: 9900364739	Deliverables: List of research papers with corresponding Links . In-charge Faculty: Dr.D.P.Basti Email:dpbasti2016gmail.com Mobile: 9900364739	Deliverables: List of research papers with corresponding Links . In-charge Faculty: Dr.D.P.Basti Email:dpbasti2016gmail.com Mobile: 9900364739	Deliverables: List of research papers with corresponding Links . In-charge Faculty: Dr.D.P.Basti Email:dpbasti2016gmail.com Mobile: 9900364739	Deliverables: List of research papers with corresponding Links . In-charge Faculty: Dr.D.P.Basti Email:dpbasti2016gmail.com Mobile: 9900364739
IPR: Copyrights and Patents	Planned for high quality research article	Activity-1: Research work patent  Outcome/Target: High quality research work getting patented.	Activity-1: Research work patent  Outcome/Target: High quality research work getting patented.	Activity-1: Research work patent  Outcome/Target: High quality research work getting patented.	Activity-1: Research work patent  Outcome/Target: High quality research work getting patented.	Activity-1: Research work patent  Outcome/Target: High quality research work getting patented.

		Budget:00.25 Lakhs	Budget :00.25 Lakhs	Budget :00.25 Lakhs	Budget :00.25 Lakhs	Budget :00.25 Lakhs
		Deliverables: 1.Documents on communication with agency.	Deliverables: 1.Documents on communication with agency.	Deliverables: 1.Documents on communication with agency.	Deliverables: 1.Documents on communication with agency.	Deliverables: 1.Documents on communication with agency.
		2. Patented document.	2. Patented document.	2. Patented document.	2. Patented document.	2. Patented document.
		In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email: shailajashirkol@gmail.com	In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email:shailajashirkol@gmail.com	In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email:shailajashirkol@gmail.com	In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email:shailajashirkol@gmail.com	In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email:shailajashirkol@gmail.com
Attended International conferences  Knowledge Sharing.	Activity-1: To attend international conference.  Target/ Outcomes: To uplift the quality of research work through interaction.  Budget:00.25 Lakhs	Activity-1: To attend international conference.  Target/ Outcomes: To uplift the quality of research work through interaction.  Budget: 00.25 Lakhs	Activity-1: To attend international conference.  Target/ Outcomes:  To uplift the quality of research work through interaction.  Budget: 00.25 Lakhs	Activity-1: To attend international conference.  Target/ Outcomes:  To uplift the quality of research work through interaction.  Budget: 00.25 Lakhs	Activity-1: To attend international conference.  Target/ Outcomes: To uplift the quality of research work through interaction.  Budget:00.25 Lakhs	
		Deliverables: 1. List of papers. 2. Report on conference attended. In-charge Faculty: Dr. Shailaja S. Shirkol Mobile: 9482560244 Email:shailajashirkol@gmail.com	Deliverables: 1.List of papers. 2.Report on conference attended. In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email:shailajashirkol@gmail.com	Deliverables: 1. List of papers. 2. Report on conference attended. In-charge Faculty: Dr. Shailaja S. Shirkol Mobile: 9482560244 Email: shailajashirkol@gmail.com	Deliverables: 1. List of papers. 2. Report on conference attended. In-charge Faculty: Dr. Shailaja S. Shirkol Mobile: 9482560244 Email: shailajashirkol@gmail.com	Deliverables: 1.List of papers. 2.Report on conference attended. In-charge Faculty: Dr.Shailaja S.Shirkol Mobile: 9482560244 Email:shailajashirkol@gmail.com
Reviewed research articles  Research Quality Review		Activity-1: Review of research articles. Target/ Outcomes: 1. With experience high quality papers are reviewed. 2. Be updated with any emerging fields. Budget:00.10 Lakhs	Activity-1: Review of research articles.  Target/ Outcomes:  1. With experience high quality papers are reviewed.  2. Be updated with any emerging fields.  Budget: 00.10 Lakhs	Activity-1: Review of research articles. Target/ Outcomes: 1. With experience high quality papers are reviewed. 2. Be updated with any emerging fields. Budget:00.10 Lakhs	Activity-1: Review of research articles. Target/ Outcomes: 1. With experience high quality papers are reviewed. 2. Be updated with any emerging fields. Budget:00.10 Lakhs	Activity-1: Review of research articles.  Target/ Outcomes:  1. With experience high quality papers are reviewed.  2. Be updated with any emerging fields.  Budget: 00.10 Lakhs
		Deliverables: 1. Document of communication. 2.List of papers. In-charge Faculty: Dr.D.P.Basti Email:dpbasti2016gmail.com Mobile: 9900364739	Deliverables: 1. Document of communication. 2. List of papers. In-charge Faculty: Dr.D.P. Basti Email:dpbasti2016gmail.com Mobile: 9900364739	Deliverables: 1. Document of communication. 2. List of papers. In-charge Faculty: Dr.D.P. Basti Email:dpbasti2016gmail.com Mobile: 9900364739	Deliverables: 1. Document of communication. 2. List of papers. In-charge Faculty: Dr.D.P. Basti Email:dpbasti2016gmail.com Mobile: 9900364739	Deliverables: 1. Document of communication. 2.List of papers. In-charge Faculty: Dr.D.P.Basti Email:dpbasti2016gmail.com Mobile: 9900364739
Any other						
TOTAL B	Budget for M3	01.25 Lakhs	01.25 Lakhs	01.25 Lakhs	01.25 Lakhs	01.25 Lakhs

# M4. To involve the Industrial Expertise for connecting Classroom contents to real-life situations.

Strategies / Key Areas	Baseline Status /		Activities						
for M4	Value as on 30th June 2022	2022-23	2023-24	2024-25	2025-26	2026-27			
	Planned	Activity-1: Interaction with industry expert.	Activity-1: Interaction with industry expert.	Activity-1: Interaction with industry expert.	Activity-1: Interaction with industry expert.	Activity-1: Interaction with industry expert.			
		Target/ Outcomes: To understand and apply/relate to their course content.	Target/ Outcomes: To understand and apply/relate to their course content.	Target/ Outcomes: To understand and apply/relate to their course content.	Target/ Outcomes: To understand and apply/relate to their course content.	Target/ Outcomes: To understand and apply/relate to their course content.			
Talks from Industry		Budget: 00.20 Lakhs	Budget: 00.20 Lakhs	Budget: 00.20 Lakhs	Budget: 00.20 Lakhs	Budget: 00.20 Lakhs			
personnel.		Deliverables: Documentation of the program planned.	Deliverables: Documentation of the program planned.	Deliverables: Documentation of the program planned.	Deliverables: Documentation of the program planned.	Deliverables: Documentation of the program planned.			
		In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in	In-charge Faculty: Dr.Jenifer J.Karnel Mobile:8884419523 Email:hodmaths@sdmcet.ac.in			
MoUs with industries		N.A	N.A	N.A	N.A	N.A			
Training Programs for Students from Industry personnel.		N.A	N.A	N.A	N.A	N.A			
FDPs from Industry personnel.		N.A	N.A	N.A	N.A	N.A			
Alumni connected	Planned	Activity-1: Interaction with freshly passed out students.	Activity-1: Interaction with freshly passed out students.	Activity-1: Interaction with freshly passed out students.	Activity-1: Interaction with freshly passed out students.	Activity-1: Interaction with freshly passed out students.			
activities for students and faculty members		Target/ Outcomes: To understand the importance of mathematics to their respective branch	Target/ Outcomes: To understand the importance of mathematics to their respective branch	Target/ Outcomes: To understand the importance of mathematics to their respective branch	Target/ Outcomes: To understand the importance of mathematics to their respective branch	Target/ Outcomes: To understand the importance of mathematics to their respective branch			

		Budget: 00.10 Lakhs	Budget: 00.10 Lakhs	Budget: 00.10 Lakhs	Budget: 00.10 Lakhs	Budget: 00.10 Lakhs
		Deliverables: Documentation of the program planned.	Deliverables: Documentation of the program planned.	Deliverables: Documentation of the program planned.	Deliverables: Documentation of the program planned.	Deliverables: Documentation of the program planned.
		In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com ac.in	In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com ac.in	In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com ac.in	In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com ac.in	In-charge Faculty: Dr. Varsha D.Joshi Mobile: 8147886040 Email: varshajoshi@gmail.com ac.in
Sabbatical Leave for faculty members						
Course projects/ Project based learning						
Any other						
TOTA	AL Budget for M4	00.30 Lakhs	00.30 Lakhs	00.30 Lakhs	00.30 Lakhs	00.30 Lakhs

M5.To inculcate Ethics and soft-skills leading to overall personality development

	Baseline		Activities						
Strategies / Key Areas for M5  Status / Value as on 30th June 2022		2022-23	2023-24	2024-25	2025-26	2026-27			
Awareness Programs		-	-	-	-	-			
	ICT used on	Activity: Use of online	ctivity: Use of online						
Training programs	various	platforms like Zoom, Google							

Soft Skills/		Using the google classroom	Using the google classroom	Using the google classroom	Using the google classroom	Using the google classroom
Discussion Group/		service for the collection of	service for the collection of	service for the collection of	service for the collection of	service for the collection of
English		assignments from students and	assignments from students and	assignments from students	assignments from students and	assignments from students and
Communication Skills/ Use of ICT		to distribute the class notes	to distribute the class notes	and to distribute the class	to distribute the class notes	to distribute the class notes
Skins/ Use of IC1		wherever applicable. Use of audio video tools for	wherever applicable. Use of audio video tools for the	notes wherever applicable. Use of audio video tools for	wherever applicable. Use of audio video tools for the	wherever applicable. Use of audio video tools for
		the conduction of online	conduction of online classes as	the conduction of online	conduction of online classes as	the conduction of online
		classes as applicable.	applicable.	classes as applicable.	applicable.	classes as applicable.
		Outcome/Target:	Outcome/Target:	Outcome/Target:	Outcome/Target:	Outcome/Target:
		Enhancement of domain	Enhancement of domain	Enhancement of domain	Enhancement of domain	Enhancement of domain
		knowledge. Additional study	knowledge. Additional study	knowledge. Additional study	knowledge. Additional study	knowledge. Additional study
		material for the students.	material for the students.	material for the students.	material for the students.	material for the students.
		Budget:	Budget:	Budget:	Budget:	Budget:
		00.10 Lakhs	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs
		Deliverables:	Deliverables:	Deliverables:	Deliverables:	Deliverables:
		Documentation of the	Documentation of the program	Documentation of the	Documentation of the program	Documentation of the
		program planned.	planned.	program planned.	planned.	program planned.
		In-charge Faculty:	In-charge Faculty:	In-charge Faculty:	In-charge Faculty:	In-charge Faculty:
		Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.	Prof.Shrikanth Kanguri.
		Mobile:9686799402	Mobile:9686799402	Mobile:9686799402	Mobile:9686799402	Mobile:9686799402
		Email:shreekant.kanguri@gm	Email:shreekant.kanguri@gmai	Email:shreekant.kanguri@gm	Email:shreekant.kanguri@gmail	Email:shreekant.kanguri@gm
		ail.com	l.com	ail.com	.com	ail.com
Any other	1 (6 355	00.10.7	00.10.7	00.10.7	00.10 * 11	00.107
TOTAL Bu	idget for M5	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs	00.10 Lakhs

Other Key Areas/ Strategies

		Other Rey Theus, Sti					
Strategy/ Key Areas- Others	Activities						
Strategy/ Key Areas- Others	2022-23	2023-24	2024-25	2025-26	2026-27		
NEP-2020	Syllabus upgradation as per NEP requirements	Syllabus upgradation as per NEP requirements	Syllabus upgradation as per NEP requirements	Syllabus upgradation as per NEP requirements	Syllabus upgradation as per NEP requirements		
Branding / Ranking	Help in data pooling and documentatin	Help in data pooling and documentatin	Help in data pooling and documentatin	Help in data pooling and documentatin	Help in data pooling and documentatin		
Accreditation							

Autonomy and University status				
Starting of new Programs/ Courses				
Industry Collaboration				
MoUs				
University / Institutional Collaboration				
Admission Quality				
Faculty Support and Facilities				
Infrastructure				
Research Laboratories and Center of Excellence				
Automation and Use of ICT				
Any other	Budget for Others			
TOTAL	Dauget for Others			

TOTAL BUDGET	2022-23	2023-24	2024-25	2025-26	2026-27
	3.15 Lakh	3.15 Lakh	3.15 Lakh	3.15 Lakhs	3.15 Lakhs

IQAC Coordinator Dr. U.P.Kulkarni

Dean Admin Dr. R.L.Chakrasali Dean Acad Prof. G.LRajbansi

Dr. K. Gopinath

PRINCIPAL

Date: dd/mm/YYYY