



SDME Society (Regd.) Ujire
**Shri Dharmasthala Manjunatheshwara College of
Engineering & Technology, Dharwad - 580 002, Karnataka**
(An Autonomous College recognized by AICTE & Affiliated to VTU, Belagavi)



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STRATEGIC PLAN 2017-18 to 2021-22



**Shri Dharmasthala Manjunatheshwara
College of Engineering & Technology
Dharwad – 580 002**

(An Autonomous Institution recognized by AICTE & Affiliated to VTU, Belagavi)



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The Institute has created the strategy plan through a detailed discussion process with stake holders during 2016-2017. A committee was constituted with Institute key leaders and faculty representatives to revise the vision, mission of the Institution and a strategic plan to realize the same. The committee prepared a draft strategy document with a new vision, mission and action items with time frame to achieve. The draft document was shared by the principal with all concerned.

The document was discussed in department faculty meetings and alumni inputs were taken. The document was modified to take into accounts the inputs received. The revised document was placed before Governing Council (GC) and their suggestions incorporated in the final document and it was approved in the 18th GC meeting held on 10th May 2018. In the light of comments made by NBA team during its visit in August-September 2018 strategic plan has been revised, extending it to a period of five years. The revised strategic plan was approved in the 20th GC Meeting held on 9th May 2019. The Institute Strategy document has a plan for the identified mission for five years, action items and metrics.



Shri Dharmasthala Manjunatheshwara College of Engineering & Technology (SDMCET), Dharwad was established in the year 1979 under the flagship of SDME Society and has grown into one of the nationally acclaimed premier engineering institutions of the country. The campus consists of a cluster of magnificent buildings spread across a hilly terrain of more than 60 acres which are very imaginatively laid out and landscaped. The Institution is beneficiary of TEQIP Phase - I & II programs of World Bank and accredited twice by NBA. SDMCET has been consistently ranked high amongst private engineering colleges of the country. Now, SDMCET stands as one amongst the first 14 Institutions in Karnataka to be granted autonomous status from UGC and VTU, Belagavi. The Institution is recognized under section 2(f) and 12(B) of UGC Act 1956 for receipt of UGC grants. SDMCET has been recognized as an innovation center by the District Industries Centre and also the Department of ITBT of Karnataka.



**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 content 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

CORE VALUES:

- Competency
- Commitment
- Equity
- Team Work and
- Trust

**To have contextually relevant Curricula****Purpose:**

Curriculum is the way content is designed. It is considered the heart of any educational institution. The challenge with curriculum is not framing it or describing its quality; it is in keeping it current. Curriculum is a living entity that changes with the times, industry needs, changing technology and so on. We need to make sure that our curriculum is up to date.

Action Points and Metrics/Targets:

SDMCET will take several measures in this direction that are listed in the following Table – M1.



Table – M1 : Targets, activities and budget towards achieving

Status as on 31-10-2017	Target proposed	Time Frame					Budget in Rs. in lakhs
		2017-2018	2018-2019	2019-2020	2020-2021	2021-22	
2015 scheme is under execution	Contextually relevant Curricula.	Review of the curricula to affect the changes sought by the stakeholders to the tune of 10%	Upgrading the curricula in line with AICTE & VTU suggested model	Review of the curricula to affect the changes sought by the stakeholders to the tune of 10%	Review of the curricula to affect the changes sought by the stakeholders	Revision & Upgrading the curricula in line with contextually suggested model by AICTE & VTU.	30.66
		Activities: 1) Pool inputs from the stake holders (Industry, Alumni, Faculty and Students). 2) Discuss the need for changes to the tune of 10% in DUGC and recommend to BoS. 3) Convene BoS to discuss and recommend to Academic Council. (Rs.2.04 lakhs) 4) Approval from Academic Council. (Rs.1.50 lakhs) 5) Printing (Rs.1.75 lakhs)	Activities: 1) Conduct workshop to discuss on the revision of curricula. (Rs.0.50 lakhs) 2) Hold meeting with stake holders if needed. (Rs.0.25 lakhs) 3) Depute personnel to other institutions / university to study the practices. (Rs.0.25 lakhs) 4) Convene DUGC and recommend to BoS 5) Conduct BoS and recommend to Academic Council. (Rs.2.04 lakhs) 6) Meeting of Academic Council. (1.50 Lakhs) 7) Printing. (Rs.1.75 lakhs)	Activities: 1) Introduce more no. of Industry defined elective courses. 2) Repeating the activities carried out during the year 2017-18	Activities: 1) Refer to the guidelines issued by the AICTE and affiliating University (VTU) about the curricula revision. 2) Repeating the activities carried out during the year 2019-20	Activities: 1) Establish Industry sponsored laboratories 2) Repeating the activities carried out during the year 2018-19	
		Budget: 5.29 lakhs	Budget: 6.29 lakhs	Budget: 5.80 lakhs	Budget: 6.38 lakhs	Budget: 6.90 lakhs	



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

Purpose:

Having framed the relevant curriculum next challenge is how we translate it in to learning experience for students. All the experiences around the world show that the most important factor in determining how well students learn is the quality of teaching. This demands good teaching learning methods in place and effective use of modern educational tools.

Action Points and Metrics/Targets:

SDMCET has many action points to consider in this area that are listed in the following Table-M2.



Table – M2 : Targets, activities and budget towards achieving Mission-2

Status as on 31-10-2017	Target proposed	Time Frame					Budget in Rs. in lakhs
		2017-2018	2018-2019	2019-2020	2020-2021	2021-22	
Novel teaching practices are found in different pockets.	Motivation to incorporate more novel practices with modern tools keeping OBE in view	To institutionalize novel teaching practices Creation and addition of learning material	Addition of knowledge resources and ICT enabled classes.	Documentation and validation of Teaching practices in tune with Out Come Based (OBE) education and creation of recording facility.	Implementing the use of recording facility across the college. Introduction of online courses to award honors / minor / certification.	Introduce partially open book test to instill confidence in the students to apply the knowledge acquired.	239.72
Pedagogy training: 01	05	01	02	03	04	05	
		Activities: 1) Machines and equipment (Rs.17.22 lakhs) 2) Computers and software (Rs.5.08 lakhs) 3) FDP (Rs.4.73 lakhs) 4) Pedagogy (Rs.0.50 lakhs)	Activities: 1) Machines and equipment (Rs.15.87 lakhs) 2) Computers and software (Rs.11.20 lakhs) 3) FDP (Rs.5.15 lakhs) 4) Pedagogy (Rs.0.50 lakhs)	Activities: 1) Machines and equipment (Rs.52.66 lakhs) 2) Computers and software (Rs.24.00 lakhs) 3) FDP (Rs.6.20 lakhs) 4) Studio (Central) (Rs.5.00 lakhs) 5) Pedagogy (Rs.0.50 lakhs)	Activities: 1) Machines and equipment (Rs.30.70 lakhs) 2) Computers and software (Rs.10.00 lakhs) 3) Mechanism to monitor the usage of recording facility, if needed. (Rs.2.60 Lakhs) 4) Identify human resource to guide the students towards taking online courses. (Rs.1.11 lakhs) 3) Pedagogy (Rs.0.50 lakhs)	Activities: 1) Machines and equipment (Rs.22.00 lakhs) 2) Computers and software (Rs.15.00 lakhs) 3) Frame the modalities to conduct open book tests. (Rs.2.30 lakhs) 4) Make adequate preparation to provide knowledge resources. (Rs.6.40 Lakhs) 5) Pedagogy (Rs.0.50 lakhs)	
		Budget: 27.53 lakhs	Budget: 32.72 lakhs	Budget: 88.36 lakhs	Budget: 44.91 lakhs	Budget: 46.20 lakhs	



To enhance Research Culture.

Purpose:

Higher education is playing a central role in the progress and prosperity of a country. Research being the essence of higher education is given prime importance all over the world. It is need of the hour to develop a research culture in academic institutions. The research is to be interleaved with teaching to ensure effective learning which triggers the interest of the students towards research activity. In SDMCET the goal of enhancing the research culture is being accomplished by proper planning to create/provide the requisite facilities. SDMCET is taking many initiatives to develop a healthy research atmosphere to enhance the research culture.

Action Points and Metrics/Targets:

SDMCET has many action points to consider in this area that are listed in the following Table - M3.

ACTION POINTS:



Table – M3: Targets, activities and budget towards achieving Mission

Status as on 31-10-2017	Target proposed	Time Frame					Budget in Rs. in lakhs
		2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	
Funded project: 06	35 (min. 1 per dept.)	10	13	19	25	35	105.39
Doctorates: 36%	58.00%	41.00%	50.00%	52.00%	55.00%	58.00%	
Research students: 112	185	114	123	142	162	185	
Centres of Excellence: 02	09	--	-	-	04	09	
Publications: 623	1045	701	779	862	947	1045	
Activities: Funded projects: 1) Talk by experts from R&D and industries to highlight on proposal preparation and details of funding agencies. 2) Form research groups 3) Enhancing research center's ambience 4) Identify the potential industries seeking technical guidance and provide the required technical solutions. 5) Encourage faculty and students to publish the work and take -up industry sponsored projects.		Activities: 1) Focus on value addition to the existing literature. 2) Continuation of activities planned in the previous year	Activities: 1) Focus on solutions for industrial technical problems 2) Continuation of activities planned in the previous year	Activities: 1) Focus on socially relevant projects 2) Continuation of activities planned in the previous year.	Activities: 1) Explore the possibility of patenting the research work 2) Continuation of activities planned in the previous year		

MISSION-4



To involve the Industrial Expertise for connecting classroom content to real life situations.

Purpose:

Industry is a place where most of our students land and start building their careers. It is very important to reduce the difference between what students learn in college and what they deal with when they enter industry. To make this happen there is a need to involve people from industries in the process of teaching learning. This involvement can happen in many ways.

Action Points and Metrics/Targets:

SDMCET has many action points to consider in this area that are listed in the following Table - M4.



Table – M4: Targets, activities and budget towards achieving Mission

Status as on 31-10-2017	Target proposed	Time Frame				Budget in Rs. in lakhs	
		2017-2018	2018-2019	2019-2020	2020-2021		2021-2022
Guest Lectures by industry experts: 42	146	54	72	95	117	146	
Industry related students' projects: 10	49	12	21	30	39	49	
Industry defined electives: 06	16	06	07	08	13	16	
Scattered internship practice in college-139	A pilot batch for internship -630	139	139	A pilot batch for internship-630	630	630	
Industrial visits: 21	62	27	34	44	53	62	
No. of Industrial Training-4	16	6	8	10	12	16	
Adjunct Faculty -01	04	01	02	03	-	04	
		Activities: 1) By inviting industrial experts to deliver talks. 2) Identifying the industries and taking up their real time problems to provide suitable technical solution by the way of carrying out projects by students. 3) Explore the immediate need of the industry and accordingly float industry sponsored electives. 4) Arranging industrial visits to expose students to industrial environment.	Activities: 1) To identify industries for internship and interaction. 2) Continuation of activities planned in the previous year.	Activities: 1) Negotiate with industries for mutual training 2) Continuation of activities planned in the previous year.	Activities: 1) Start finishing school involving industrial personnel. 2) Continuation of activities planned in the previous year.	Activities: 1) Enhance the networking with industries for exposure to the latest technologies. 2) Continuation of activities planned in the previous year.	55.73
		Budget: 6.12 lakhs	Budget: 10.81 lakhs	Budget: 12.51 lakhs	Budget: 12.66 lakhs	Budget: 13.63 lakhs	



To inculcate Ethics and Soft-skills leading to overall Personality Development.

Purpose:

Knowledge and ethical values are well connected. Knowledge alone does not necessarily make good citizens. It is also well known that an ethically fair behavior requires adequate knowledge and information. We at SDMCET will strive to combine the cognitive and the emotional dimensions in the teaching and learning process.

Soft skills play a highly important role in the work place as well as in one's career success. Grounding in soft skills give students an edge. In new age we need to provide set of soft skills that are required for students to succeed both academically and professionally.

Action Points and Metrics/Targets:

SDMCET has planned strategies to inculcate ethics and impart soft skills that are listed in the following Table – M5.



1. Dr. S.B.Vanakudre, Principal, S.D.M. College of Engineering and Technology, Dharwad.
2. Dr. R.L. Chakrasali, Dean Academic Programme, SDMCET, Dharwad.
3. Dr. M.R. Kappali, Dean Administration, SDMCET, Dharwad.
4. Prof. K.C.Shindhe, Dean –ISP & D, SDMCET, Dharwad.
5. Prof. A.V. Kulkarni, IQAC Coordinator, SDMCET, Dharwad.
6. Dr. U.P. Kulkarni, NBA Coordinator, SDMCET, Dharwad.
7. Dr. S.B. Karjagi, MIS Officer, SDMCET, Dharwad.