

S.D.M. College of Engineering and Technology, Dharwad



Department of Electronics and Communication Engineering

EXTENSION OF STRATEGIC PLAN

For the period

Academic Years 2022-23 to 2026-27 (5 years)

Date: 25.07.2022

Mission 1 (M1): To provide quality education in the domain of Electronics & Communication Engineering through state of the art curriculum, effective teaching learning process and the best of laboratory facilities.

Purpose: To make sure that our curriculum is up to date.

Table – M1 : Targets, activities and budget towards achieving Mission-1

Status as on 30.06.2022	Target proposed	Time Frame					Budget in Rs. in lakhs
		2022-23	2023-24	2024-25	2025-26	2026-27	
2018 scheme is under execution for 3 rd & 4 th year of UG Novel teaching practices are found in different pockets. Pedagogy training: 01 (institute level)	Modifying 2nd year syllabus by 100% Motivation to incorporate more novel practices with modern tools keeping OBE in view	Review of the curricula to affect the changes sought by the stakeholders to the tune of 100% for 2 nd Year. Novel teaching practices, creation and addition of learning material 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.50,000/-) 4) Equipment (Rs.2.5 lakhs) 5) Computers and software (Rs.17.50 lakhs) 6) FDP (Rs.1,00,000/-) Budget: Rs.21.50 Lakhs	Review of the curricula to affect the changes sought by the stakeholders to the tune of 100% for 3 rd Year. Upgrading the curricula in line with AICTE & VTU suggested model Addition of knowledge resources and ICT enabled classes. Activities: 1) Hold meeting with stake holders if needed. (Rs.5000/-) 2) Convene DUGC and recommend to BoS 3) Conduct BoS and recommend to Academic Council. (Rs.50,000/-) 4) Equipment (Rs.1 lakh) 5) FDP (Rs. 1,00,000/-) Budget: Rs. 2.5 Lakhs	Review of the curricula to affect the changes sought by the stakeholders to the tune of 100% for 4 th Year. Review of the curricula to affect the changes sought by the stakeholders to the tune of 10% Documentation and validation of Teaching practices in tune with Out Come Based education (OBE). Activities: 1) Introduce more no. of Industry defined elective courses. 2) Convene DUGC & BoS (Rs.50,000/-) 3) Equipment (Rs.5.00 Lakh) 4) Computers and software (Rs. 10 Lakhs) 5) FDP (Rs.100,000/-) Budget: Rs.16.50 Lakhs	Review of the curricula to affect the changes sought by the stakeholders to the tune of 100% for 1 st Year. Review of the curricula to affect the changes sought by the stakeholders. Activities: 1) Refer to the guidelines issued by the AICTE and affiliating University VTU about the curricula revision. 2) Convene DUGC & BoS (Rs.50,000/-) 3) Identify human resource and guide the students towards taking online courses. (Rs.10,000/-) Budget: Rs.0.60Lakhs	Review of the curricula to affect the changes sought by the stakeholders to the tune of 100% for 2 nd Year. Revision & Upgrading the curricula in line with contextually suggested model by AICTE & VTU. Introduce partially open book test to instill confidence in the students to apply the knowledge acquired. Activities: 1) Establish Industry sponsored laboratories 2) Convene DUGC & BoS (Rs.60,000/-) 3) Frame the modalities to conduct open book tests. 4) Make adequate preparation to provide knowledge resources. Budget: Rs.0.60 Lakhs	41.5

Mission 2 (M2): To encourage innovation, research culture and team work among students.

Purpose: To create/provide the requisite facilities to develop a healthy research atmosphere and encourage innovation.

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

Status as on 30-06-2022	Target proposed	Time Frame					Budget in Rs. in lakhs
		2022-23	2023-24	2024-25	2025-26	2026-27	
Funded project: 02	05	1	2	3	4	5	6.75
Doctorates:50%	80%	55%	60%	65%	70%	80%	
Research students:25	35	27	29	31	33	35	
Centre of Excellence:00	02	--	00	00	01	02	
Publications:75	100	80	85	90	95	100	
		Activities: 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) Encourage faculty and students to publish the work and take-up industry sponsored projects. Budget: 1.00 lakh	Activities: 1) Focus on value addition to the existing literature. 2) Continuation of activities planned in the previous year. Budget: 1.00 lakh	Activities: 1)Continuation of activities planned in the previous year. Budget: 1.25 lakh	Activities: 1) Focus on solutions for industrial technical problems 2)Focus on socially relevant projects 2) Continuation of activities planned in the previous year. Budget: 1.50 lakh	Activities: 1) Explore the possibility of patenting the research work 2) Continuation of activities planned in the previous year. Budget: 2.00 lakh	

Mission 3 (M3): Interact and work closely with industries and research organizations to accomplish knowledge at par.

Purpose: To bridge the gap between institute and industry.

Table – M3 : Targets, activities and budget towards achieving Mission-3

Status as on 30.06.2022	Target proposed	Time Frame					Budget in Rs. in lakhs
		2022-23	2023-24	2024-25	2025-26	2026-27	
Guest Lectures by industry experts: 01	10	02	04	06	08	10	5.50
Industry related students' projects:01	05	01	02	03	04	05	
Industry defined electives: 02	03	01	01	01	---	--	
Scattered internship practice in college	A pilot batch for internship.	Included in the curricula & implemented.	Include in the curricula & implement.	Include in the curricula & implement.	Include in the curricula & implement	Continued as planned in the previous year	
Industrial visits: 00	05	01 Activities: 1)By inviting industrial experts to deliver talks. 2)Explore the immediate need of the industry and accordingly float industry sponsored electives. 3)Arranging industrial visits to expose students to industrial environment. Budget: 1.00 lakhs	02 Activities: 1) To identify industries for internship and interaction. 2) Continuation of activities planned in the previous year. Budget:1.00 lakhs	03 Activities: 1) Continuation of activities planned in the previous year. Budget:1.00 lakhs	04 Activities: 1) Continuation of activities planned in the previous year. Budget:1.00 lakhs	05 Activities: 1) Enhance the networking with industries for exposure to the latest technologies. 2) Continuation of activities planned in the previous year. Budget:1.50 lakhs	

Mission 4 (M4): To train the students for attaining leadership with ethical values in developing and applying technology for the betterment of society and sustaining the global environment.

Purpose: To inculcate ethical values, develop leadership qualities and to create awareness on social responsibilities.

Table – M4 : Targets, activities and budget towards achieving Mission-4

Status as on 30.06.2022	Target proposed	Time Frame					Budget in Rs. in lakhs
		2022-23	2023-24	2024-25	2025-26	2026-27	
Courses on ethical and professional values Training/ Lectures:05 Community services: 05	Include/ Refine contents covering ethics and practices 05 05	Included in the curricula 01 01 Activities: 1) Include contents in courses. 2) Lectures by eminent personalities. Budget: Rs. 0.05 Lakhs	Included in the curricula 02 02 Activities: 1)Insignia – National level techno cultural event Budget: Rs. 0.25 Lakhs	Included in the curricula 03 03 Activities: 1)Initiate programs to create awareness among the community about technological advancements. 2) Continuation of activities planned in the previous year. Budget: Rs. 0.25 Lakhs	Included in the curricula 04 04 Activities: 1)Continuation of activities planned in the previous year. Budget: Rs. 0.35 Lakhs	Included in the curricula 05 05 Activities: 1) Continuation of activities planned in the previous year. Budget: Rs. 0.35 Lakhs	1.25

BUDGET SUMMARY

Mission	Budget					
	2022-23 (Rs. in Lakhs)	2023-24 (Rs. in Lakhs)	2024-25 (Rs. in Lakhs)	2025-26 (Rs. in Lakhs)	2026-27 (Rs. in Lakhs)	Total (Rs. in Lakhs)
M1	21.50	2.50	16.50	0.60	0.60	41.50
M2	1.00	1.00	1.25	1.50	2.00	6.75
M3	1.00	1.00	1.00	1.00	1.50	5.50
M4	0.05	0.25	0.25	0.35	0.35	1.25
Total	23.55	4.75	19.00	3.45	4.45	55.00