SDM COLLEGE OF ENGINEERING AND TECHNOLOGY

Dhavalagiri, Dharwad-580002, Karnataka State, India.

Email: principal@sdmcet.ac.in, sdmcet.iqac@gmail.com

Internal Quality Assurance Cell

[Department of Civil Engineering]

REPORT
On
The Annual Quality Assurance Report
AQAR

[2022-23]

1st July 2022 to 30th June 2023

Date of Publication: 1st July 2023

Prepared and Maintained
By
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TABLE OF CONTENTS

PART – A

DATA OF THE INSTITUTION

1. Name of the Institution: **SDM College of Engineering and Technology**.

- Name of the Head of the institution: **Dr. K. Gopinath**
- Designation: **Principal**
- Does the institution function from own campus? **Yes**
- Phone no./Alternate phone no.: **0836-2464638**
- Mobile no.: **9538677470**
- Registered Email: **principal@sdmcet.ac.in**
- Alternate Email: **kgopinath@gmail.com**
- Address   : **Dhavalagiri, Kalghatgi Road**
- City/Town   : **Dharwad**
- State/UT   : **Karnataka State**
- Pin Code   : **580002**

2. Institutional status:
- Autonomous Status *(provide the date of Conformant of Autonomous Status):* **DD-MM-YYYY**
- Type of Institution: Co-education/Men/Women? : **Co-education**
- Location: Rural/Semi-urban/Urban: **Urban**
- Financial Status: Grants-in aid/ UGC 2f and 12 (B)/ Self-financing? : **Self financing**
- Name of the IQAC Coordinator/Director: **Dr. Umakant P. Kulkarni**
- Phone no. /Alternate phone no.: **9448915301**
- Mobile: **9448915301**
- IQAC e-mail address   : **sdmcet.iqac@gmail.com**
- Alternate Email address : **sdmcet.iqac@sdmcet.ac.in**

3. Website address: https://sdmcet.ac.in
- Web-link of the AQAR: (Previous Academic Year): **NA**   Prepared first time (2022-23)

4. Whether Academic Calendar prepared during the year? : **Yes**

if yes, whether it is uploaded in the Institutional website: **Yes**

Weblink: https://sdmcet.ac.in

5. Accreditation Details:

NBA   : All UG Programs (except Chemical Engineering) are **accredited under Tier-1.**

NAAC: Applied on 24th March 2023 (1st Time)

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1st	-	-	-	from: to:

6. Date of Establishment of IQAC:DD/MM/YYYY

7. Internal Quality Assurance System.

Quality initiatives by IQAC during the year for promoting quality culture		
Title of the quality initiative by IQAC	Date & duration	Number of participants/beneficiaries
Internal Audit Teaching & Learning Process/ Administrative & other aspects		
External Audit- Teaching & Learning Process/ Administrative & other aspects		
Other Quality Audit - Performance Based Self-Appraisal- **PBSA**		
Students Feedback		
Accreditation-NBA/NAAC/etc…		
Participation in NIRF		
Regular Meeting of IQAC		

> *Note: Some Quality Assurance initiatives of the institution are:*
> *(Indicative list)*
> - *Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analyzed and used for improvements*
> - *Academic Administrative Audit (AAA) conducted and its follow up action*
> - *Participation in NIRF*
> - *ISO Certification*
> - *NBA etc.*
> - *Any other Quality Audit*

8. Provide the list of Special Status conferred by Central/ State Government-

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
Nil				

9. Whether composition of IQAC is as per latest NAAC guidelines? Yes
   Weblink for latest notification of formation of IQAC: **https://sdmcet.ac.in/iqac/**

10. No. of IQAC meetings held during the year: XX

- The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website? **Yes**
- Weblink for latest minutes of meetings and action taken report: **https://sdmcet.ac.in/iqac/**

11. Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

   If yes, mention the amount: Year:

12. Significant contributions made by IQAC during the current year. (maximum five bullets)

1	**Internal & External Audit** Teaching & Learning Process/ Administrative & other aspects
2	**Other Quality Audit** - Performance Based Self-Appraisal- **PBSA**
3	**Students Feedback**
4	**Accreditation**-NBA/NAAC/etc…
5	**Participation in NIRF**

13. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes

14. Whether the AQAR was placed before statutory body?   **Yes**   (Institutional Performance in its own Format)

   Name of the Statutory body: Academic and Governing Council
   Date of meeting(s):
- GC: DD-MM-YY
- AC: DD-MM-YY

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning?   **Yes (NBA)**   Date: DD-MM-YYYY

16. Whether institutional data submitted to AISHE: **Yes**

   Year: YYYY   Date of Submission: DD-MM-YYYY

17. Does the Institution have **Management Information System**? **Yes**

Brief description and a list of modules currently operational.

Module-1:   XXXX

Module-2:   XXXX

Module-3:   XXXX

Module-4:   XXXX

Module-5:   XXXX

PART-B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Design and Development

1.1.1   Programmes for which syllabus revision was carried out during the Academic year.

Name of programme	Programme Code	Dates of revision
Civil Engineering	Introduction to law for Engineers – 18UCVEO701	21/01/2021
	Traffic Engineering – 18UCVO601	21/01/2021
	Remote Sensing and GIS – 18UCVO801	21/01/2021

1.1.2 Programmes/ courses focused on employability/ entrepreneurship/ skill development during the Academic year.

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
Civil Engineering CV	2018-19	Management, Entrepreneurship & Protection of Intellectual Property 18UHUC500	2018-19
Civil Engineering CV	2018-19	Software Laboratory 18UCVL603	2018-19
Civil Engineering CV	2018-19	Soft Skills & Aptitude 18UHUL605	2018-19
Civil Engineering CV	2018-19	Principles and Practice of Construction Project Management 18UCVE818	2018-19

1.2   Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction
Introduction to law for Engineers	2021-22
Traffic Engineering	2020-21
Remote Sensing and GIS	2021-22

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
Civil Engineering				**2007**	
M.Tech CADS					**2016**

1.3 Curriculum Enrichment

1.3.1 Value-added courses imparting transferable and life skills offered during the year

Value added courses	Date of introduction	Number of students enrolled

1.3.2 Field Projects / Internships undertaken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
Internship	**6**

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5)Parents
Yes/No	Yes/No	Yes/No	Yes/No	Yes/No

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution? (Maximum 500 words)

Institute Level

CRITERION II - TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile

2.1. 1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
Civil Engineering	**90**	**85**	**70**

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2022-23	332	33	12	3	15

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
15	15	Laptops -6 Projectors – 8 Desktops - 15	6	0	Bentley academic perpetual, CYPE, SAFE, Etabs

2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
385	**15**	**26**

2.4 Teacher Profile and Quality

2.4.1 Number of full-time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D.
2	**2**	**Nil**	**2**	**1**

2.4.2 Honors and recognitions received by teachers

(Received awards, recognition, fellowships at State, National, International level from Government, recognized bodies during the year)

Year of award	Name of full-time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or

				recognized bodies
NIL				

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Civil Engineering	**CE**	**I**	**18-4-2023**	**24-4-2023**
		II	**14-9-2023**	**25-9-2023**
		III	**18-4-2023**	**24-4-2023**
		IV	**14-9-2023**	**25-9-2023**
		V	**21-1-2023**	**25-1-2023**
		VI	**26-6-2023**	**4-7-2023**
		VII	**21-1-2023**	**25-1-2023**
		VIII	**26-6-2023**	**4-7-2023**

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

*Do not include re-evaluation/ re-totaling

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
NIL		

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes
for all programs offered by the institution are stated and displayed in website of the institution
(to provide the weblink) Yes

https://sdmcet.ac.in/ug/civil-engineering/

2.6.2 Pass percentage of students

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
CE	Civil Engineering	111	68	61.26

2.7 Student Satisfaction Survey

2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

NIL

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

3.1.1 The institution provides seed money to its teachers for research,

Yes

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Prof. Vishwanath Bhat	Rs1,00,000/-	2022	2 years

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National				
International				

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organizations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored Projects	2 months	NHAI	2,86,000/-	2022
Projects sponsored by the University/ College	2 years	SDMCET	1,00,000/-	2022
Students Research Projects *(other than compulsory by the College)*				
International Projects				
Any other (Specify)				
Total				

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years

3.3 Innovation Ecosystem

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights **(IPR)** and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category

3.3.3 No. of Incubation center created, start-ups incubated on campus during the year		
Incubation Centre	Name	Sponsored by

Name of the Start-up	Nature of Start-up	Date of commencement

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded
Civil Engineering	02

3.4.2 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National			
International	Civil Engineering	02	1.46

3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	No. of publication
Civil Engineering	3 Books and 1 Book Chapter

3.4.4 Patents published/awarded during the year

Patent Details	Patent status **Published/ Filed**	Patent Number	Date of Award

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :

No. of Faculty	International level	National level	State level	Local level
Attended				

Seminars/ Workshops				
Presented papers		01		
Resource Persons				

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering			7,84,700/-

3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees

3.6 Extension Activities

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers **co-ordinated** in such activities	Number of students participated in such activities

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited

3.6.3 Students participating in extension activities with Government Organizations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers **coordinated** such activities	Number of students participated in such activities

3.7 Collaborations

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of Activity	Participant	Source of financial support	Duration

3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration **(From-To)**	participant

3.7.3 MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose and Activities	Number of **students/teachers participated under MoUs**

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
Non-Recurring (Academic) – 2,07,000 Recurring amount – 2,75,000 Research and Development - 1,25,000	Purchased UTM from remaining budget of all departments

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	-	-
Classrooms	6	-
Laboratories	6	-
Seminar Halls	1	-
Classrooms with LCD facilities	13,14,15,T3, CSH	D1
Classrooms with Wi-Fi/ LAN	CSH	-
Seminar halls with ICT facilities		
Video Centre	-	-
No. of important equipment's purchased ($\geq$ 1-0 lakh) during the current year.		(a)(UTM 2000kN capacity) (b)SAFE, ETAB and CYPE
Value of the equipment purchased during the year (Rs. in Lakhs)		(a) Rs. 18,59,739 /- (b) Rs. 5,00,000 /-
Others		

4.2 Library as a Learning Resource

4.2.1 Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation

4.2.1 Library Services (**Department Level**):

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value Value
Textbooks	650	1,30,000	40	12,000	690	1,42,000
Reference Books						
e-Books						
Journals						
e-Journals						
Digital Database						
CD & Video						
Library automation						
Weeding (Hard & Soft)						
Others (specify)						

4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the teacher	Name of the module	Platform on which module is developed	Date of launching e - content

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	34	1	-	-	-	-	-	500Mbps	-
Added	2	-	-	-	-	-	-	-	-
Total	36	1	-	-	-	-	-	-	-

4.3.2 B*andwidth available of internet connection in the Institution (Leased line)*

500 MBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media center and recording facility

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words)   (information to be available in institutional Website)

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	All India Technical Seminar at IEI	4	1000
Financial support from other sources			
a) National	KSCST	04	4000
	NHAI	22	2,86,000
	Agrima Pvt Ltd	07	2,10,000
b) International			

5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skill development	2019	96	Innovation unlimited training services

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2022	"A Guidance program on career opportunities after B.Tech" S.MM Trinath, ACE Engineering Academy Hyderabad	60	60	7	24

5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus		Off Campus	
Name of Organizations	Number of Students	Number of Students	Number of Students Placed

Visited	Participated	Placed	
10	80	24	20

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
2021-22	5	Bachelor of Civil Engineering	Civil Engineering	SDMCET Dharwad	Master of Technology
2021-22	1	Bachelor of Civil Engineering	Civil Engineering	PES-IUP	Master of Technology
2021-22	1	Bachelor of Civil Engineering	Civil Engineering	Reva university Banglore	Master of Technology
2021-22	2	Bachelor of Civil Engineering	Civil Engineering	National Institute of Construction management and research	PG Diploma in Construction Management
2021-22	1	Bachelor of Civil Engineering	Civil Engineering	BIT Bangalore	Master of Technology
2021-22	1	Bachelor of Civil Engineering	Civil Engineering	KLS Googte Institute Of Technology	Master of Technology
2021-22	1	Bachelor of Civil Engineering	Civil Engineering	BVBCET	Master of Technology

5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students **selected/ qualifying**	**Registration number/roll number for the exam**
NET		
SET		
SLET		
GATE		
GMAT		
CAT		
GRE		
TOFEL		
Civil Services		
State Government Services		
Any Other	7 (PGCET)	JB248, JB047, JB204, JB049, JB239, JB005, JB187

5.2.4 Sports and cultural activities / competitions organised at the institution level during the year		
Activity	Level	Participants

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
2022-2023	VTU BLUE	National	Football			Ms. Tejaswini Bhavikatti
			Badminton		2SD19CV009	Anand Kalmangi
			Kabbadi		2SD19CV070	Sudarshan Halkarni
			Kabbadi		2SD19CV059	Sandeep Rathod
			Kabbadi		2SD20CV004	Akash Lamani
			Hockey		2SD20CV010	Bindu Arjun Mundiganal
			Hockey		2SD20CV058	Sneha Venkappa KakARADDI
			Volleyball		2SD20CV001	Akash Annappa Walikar
			Volleyball & Hammer Throw		2SD20CV020	KASHFIYA T NAIKWADI

5.3.2 Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

5.4 Alumni Engagement

5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

5.4.2 No. of registered Alumni:

5.4.3 Alumni contribution during the year (in Rupees):

5.4.4 Meetings/activities organized by Alumni Association:

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The head of the department looks after the overall performance and development of department. The responsibilities are disseminated through the faculty coordinators. The faculty members are involved in design of curricula by being members of DUGC, DPGC, BoS.

6.1.2 Does the institution have a Management Information System (MIS)?
 Yes/No/Partial: Yes

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each)**:**

- ❖ Curriculum Development: The curriculum adopted in Civil Engineering is recommended by Board of Studies of Civil Engineering Department and approved by the Academic Council. The department IQAC looks after the overall quality check in respect of all academic activities. The syllabus is designed to provide a comprehensive coverage of the subject with emphasis on fundamentals as well as applied aspects. Periodic changes based on societal needs are made by considering the feedback from the faculty, academic peers, and experts from industry, current students and alumni.

- ❖ Teaching and Learning: The teaching and learning processes are adhered to academic calendar. This process is initiated with course allotment. A course plan is prepared to have effective content delivery. A few teaching learning methodologies adopted in the department are practical oriented lectures, tutorials, collaborative case-study learning, independent learning, peer teaching approaches with integration of appropriate teaching aids.

- ❖ Examination and Evaluation: Two internal assessment test followed by an improvement test are conducted by department as per the schedule prescribed in the academic calendar. Students undergo continuous internal evaluation process throughout the semester. At the end of semester, a semester end examination is conducted.

- ❖ Research and Development: The department of Civil Engineering is a recognized research center of VTU and offers doctoral programme in Civil Engineering. Research activities namely paper presentation, experimental works, funded research projects keep going on throughout the year.

- ❖ Library, ICT and Physical Infrastructure / Instrumentation: The department is equipped with LCD projector enabled classrooms. The departmental library caters the need of textbooks, reference books for the students. All the laboratories of the department are well equipped and upgraded with the necessary modern equipment. The department also has exclusive computer centre with necessary software and system.

- ❖ Human Resource Management: The department has sufficient number of faculty members asper the guidelines stipulated by NBA or AICTE and also has required non-teaching and supporting staffs.

- ❖ Industry Interaction / Collaboration: Experts from industries are invited in framing the curriculum as members of BoS. Invited lectures by field experts/ consulting engineers are arranged on routine basis.

- ❖ Admission of Students: The present intake capacity of the department is 90. The students take

admission through lateral entry also, for the third semester. Admission statistics for the last two academic years are: 2021-2022: 74, and 2022-2023: 70 at first year level.

6.2.2 : Implementation of e-governance in areas of operations:
- ❖ Planning and Development
- ❖ Administration
- ❖ Finance and Accounts
- ❖ Student Admission and Support
- ❖ Examination

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2022-23	Dr. Shravan A Kanalli	RATE 2022, A National Conference at NIT Surat on 11-12th November 2022.		3500

6.3.2 Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2023	Operation of Digital UTM	---	24-05-2023	15	---

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
CYPE CAD: BIM Software training	3	05-12-2022 to 5-1-2023
Technical book writing in Kannada	1	14-12-2022
Innovative Construction Techniques	1	14-11-2022 to 18-11- 2022
Advances in Transportation Infrastructure Engineering	1	2-5-2022 to 7-5-2022
Green building - Need of the hour	2	17-04-23 to 18-04-23

6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent - 3	Fulltime – Yes	Permanent-Nil	Fulltime

6.3.5 Welfare schemes for

Teaching	**Nil**
Non-teaching	**Nil**

Students	**Nil**

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly
  (with in 100 words each)

College level

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
SDME Society	1 lakh	Research
KSCST	4,000	Research

6.4.2 Total corpus fund generated

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Faculties from NITK-Surathkal	Yes	IQAC
Administrative				

6.5.2 Activities and support from the Parent – Teacher Association (at least three) – NIL

6.5.3 Development programmes for support staff (at least three) – NIL

6.5.4 Post Accreditation initiative(s) (mention at least three)

6.5.5
a. Submission of Data for AISHE portal   : Yes
b. Participation in NIRF   : Yes
c. ISO Certification   : Yes
d. NBA or any other quality audit   : Yes

6.5.6 Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from-----to------)	Number of participants
-	-	-	-	-

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period (from-to)	Participants	
		Female	Male
--	--	--	--

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities		
Provision for lift		
Ramp/ Rails	Yes	
Braille Software/facilities		
Rest Rooms		
Scribes for examination		
Special skill development for differently abled students		
Any other similar facility		

7.1.4 Inclusion and Situatedness
Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

7.1.5 Human Values and Professional Ethics
Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of participants
Blood Donation Camp (INSIGNIA)	**26-5-2023**	**250**

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)
Solar Energy, Sewage treatment plant, Gardening - Plantation in Entire Campus,

7.2 Best Practices
Describe at least two institutional best practices
Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

7.3 Institutional Distinctiveness
The Competent professionals produced in our college have been offered about 616 offers by 73 companies for 417 students during academic year 2022-2023.

SUMMARY OF NOTEWORTHY OUTCOMES

Year 2022-23
[July to June]
Department of Civil Engineering:

Sl. No	Outcome	Baseline 2022 Jan-Dec	Current 2022-23 Jan-June 2022 July22- June23
1	Indexed Journal Publications	1	00+04 = 04
2	Other – Paper/article Publications	16	00+16 = 16
3	Book Publications	2	2+2 = 4
4	Book Chapter Publications	-	1
5	IPR Publications	-	1
6	IPR Granted	-	-
7	No. of Funded Projects sanctioned	1	2
8	Total Funds Received.	7000/-	104000/-
9	Total Projects- Ongoing	1	2
10	% Of Placement	40%	40%
11	No. of Offers	22	16
12	Highest Package L/A	4,50,000/-	11,26,000/-
13	Lowest Package L/A	2,50,000/-	2,50,000/-
14	% - of Students Graduated	77.7	-
15	No. of startups	1	1
16	Consultancy Total Number: IRG generated:	No.: 100 IRG: 5,00,910/-	No.: 51 + 113 IRG: 2,95,708/- + 6,38,850/-
17	No. of Conferences Conducted	-	-
18	No. of Workshops/ Seminar/ conducted	3	1+4
19	No. of Workshops/ Seminar/ conferences attended	10	7+7 = 14

		(Faculty + Students= Total)		
20	No. of awards / recognitions received (Faculty + Students + dept/Institution= Total)	-	2	
21	No. of New Infrastructure / Programs/space/laboratories created	-	-	
22	No. of networking/society connect programs conducted.	1 (NSS) 1 (Extensive Survey)	-	
23	No. of learning materials created and published	1 (Workshop)	-	
24	No. of new process/procedures added.	-	-	
25	No. of products/ Applications created	-	-	
26	Budget Sanctioned In Lakhs of rupees	**Apr-2021 to March 2022** **8,80,000/-**	**Apr-2022 to March 2023** **6,07,000/-**	
27	Total Expenditure In Lakhs of rupees	**Apr-2021 to March 2022** **8,30,955**	**Apr-2022 to March 2023** **24,83,594**	
28	Any other note-worthy events/activities	-	-	

Note: Details of all these claims mentioned in the above table is to be given in the next section of this report under the title "**strategic plan implementation report**" along with evidences.

Best Practice- 1

Title: Course Teacher Assessment by Field Studies

Author(s): Dr. Shravan A Kanalli

Scope: Field exposure to the existing traffic conditions of Hubli-Dharwad

Objectives: To provide students with real-time experience of various field survey carried out for analysing the traffic condition.

Methodology / Procedure:

Traffic Engineering is a branch of Civil Engineering which deals with the improvement of traffic performance on road networks through systematic traffic studies, scientific analysis and engineering applications. The various traffic studies primarily include Traffic volume studies, Traffic Speed studies, Origin and Destination studies, Parking studies and Accident studies.

In the current Teaching-Learning practice, the students are made to form a group of 5 members. Each group is allotted a topic comprising a traffic study (any one parameter) at a certain location within Hubli-Dharwad. The group shall visit the site, carry out traffic studies in the field and analyse the data. The group shall submit a report containing literature of the study, methodology, traffic data and analysis.

This practice provides the real time experience to the students on traffic data collection and analysis which helps them understand the crux of the traffic problems and difficulties faced during data collection. It will also lead to better understanding of the traffic situation and challenges faced during traffic management.

Outcome: The students will be able to carry out different traffic survey and analyse the existing traffic condition on the given road stretch.

Cost: NIL

Conclusion / Impact Analysis: Course Teacher Assessment

References if any: NIL

29

FUTURE PLANS OF ACTION FOR NEXT ACADEMIC YEAR: 2023-24

1. Introducing more industry relevant programs in Civil Engineering related domain.

2. Improved Industry readiness of students.

3. Improve Internal Revenue Generation (IRG) of the department.

4. Encourage faculty to engage in research.

Name & Signature of the Coordinator-IQAC   *Name &   Signature of the Chairperson/Head*

Date: 01-07-2023

_____***_____

SDM College of Engineering and Technology
Dhavalagiri, Dharwad-580002

Department of Civil Engineering

STRATEGIC PLAN (2022-23) IMPLEMENTATION REPORT

[2022-23]

1st July 2022 to 30th June 2023

Date of Publication: 1st July 2023

Reference: 5 Year Plan   2022-23 to 2026-27

INTRODUCTION:

The purpose of this document is to record the progress of the Department based on their stated strategic plan for the year – **2022-23** (starting from 1st July and ending by 30th June).

In charge person indicted against each perspective/ Key area have participated in the audit process and the records maintained by them are seen thoroughly by the audit team.

AUDIT TEAM:

1. **Chairman:** Principal, SDMCET, Dharwad
2. **Members:**
   a) Dean Academic Program
   b) Dean R & D
   c) IQAC Coordinator – Member Secretary

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: Curriculum relevance- **M1**
F2: Academic/ Exam results- **M1, M2, M4**
F3: Research papers, Sponsored Projects, Root cause analysis for rejected papers and filling gap.- **M3**
F4: Value additions: Teaching, Soft skills, Use of ICT / Presentation, Discussion Groups (Communication skills)- **M2 & M5**
F5: Community oriented services- **M3 & M5**
F6: Placement.
F7: Accreditation and Ranking: NBA, NAAC and NIRF - **M1 to M5 & Establishment of strong IQAC to support quality checks and Institutional repository.**
F8: National Educational Policy- NEP-2020 – **M1 to M5. (Experiential Learning)**

CONTACT DETAILS:

1. Dr. R. J. Fernandes, Associate Professor and Head, Department of Civil Engineering, SDM College of Engineering and Technology, Dharwad-580002.

   Email: hodcivil@sdmcet.ac.in
   Mobile: **9880536130**

2. Shri. Vishwanatha Bhat, Faculty I/C- Strategic Plan, Department of Civil Engineering, SDM College of Engineering and Technology, Dharwad-580002.

   Email: vbk.vish@gmail.com
   Mobile: 7204167771

Focus [1]	Perspective/ Key Areas [2]	Year 2022-23			
		PLANNING [3]	Status as on 30th June 2023		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F1 / M1 **Curriculum Relevance**	**Re-establishing the relevance of critical thinking in Course outcomes and raising learning levels focusing on Experiential learning of NEP-2020.**	**Activity-:** Modification of Syllabus in ensuing BOS. **Outcome:** Improved quality of question paper, assignments and course outcome. **In-charge Faculty:** Mr. Prateek I C Mobile:9483491230 Email: pic@sdmcet.ac.in	Activity-1: BOS was conducted on 08/08/2022		
	Re-establishing the relevance of Program Articulation Matrix-PAM	**Activity-:** Interactive session with faculty members in the Department to make the syllabus more relevant. **Outcome:** Improved quality of course outcome and program outcome. **In-charge Faculty:** Mr. Prateek I C Mobile:9483491230 Email: pic@sdmcet.ac.in	Faculty interaction was conducted on 06/08/2022 to discuss relevance of program articulation matrix and it was decided to continue with the same program articulation matrix.		

	Conducting internal and External Audits	**Activity 1:** Conducting internal audit by expert within the institution and external audit by experts from NIT/IIT. **Outcome:** Improved teaching and learning process. **Activity 2:** Ensuring compliance of quality of Question paper before every Internal assessment by Dept. IQAC. **Outcome:** Improved Curriculum relevance, Improved quality of question paper. **In-charge Faculty:** Dr. D. K. Kulkarni Mobile: 9449062826 Email:dilipkkulkarni@rediffmail.com	External audit was conducted by Dr. Subhas Yaragal, Professor, NITK, Suratkal on 08/08/2022 who expressed his satisfaction over teaching-learning process and opined that department should put more efforts to improve research and publications. Also motivated young faculty members to complete Ph.D at the earliest. Complied during odd and even semester of 2022.
	Others- if any		**<< Anything other than planned one may be written here >**

Focus [1]	Perspective/ Key Areas [2]	Year 2022-23			
		PLANNING [3]	Status as on 30th June 2023		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F2 **M1, M2, M4** **Exam Results**	**Bridge Courses** For all and specific to **Slow learners** **&** **Learning Extensions (LE)**	**Activity 1:** Field visits (Learning extension) **Outcome:** 1. Realtime work exposure for industry readiness. 2. Field visit report. **Activity 2:** (Bridge courses) Solving previous year question papers and doubt solving sessions after internal assessments. **Outcome:** Improved understanding of topics. **In-charge Faculty:** Faculty: Mr. Sameer Chitnis Mobile: 8277475409 Email: cssameer.a15@gmail.com	1. 5th semester A & B division, 71 students visited Supa Dam, Ganeshgudi on 9th November 2022. 2. 6th Semester A & B division, 43 students visited Metro construction site managed by HCC- URC company, Bangalore on 18/06/2022. 3. Field visit report prepared. 1. NIL		
	Tutorials for complex	**Activity-:** Tutorials planned for complex courses.	NIL, No Tutorials planned		

	courses	**Outcome:** Improved capability of solving problem. **In-charge Faculty:** Faculty: Mr. S. S. Hubbali Mobile: 9036048428 Email: sureshh990@gmail.com	
	Strengthening Experiential Learning component	**Activity-:** Demo of NDT methods in C & H lab. **Outcome:** Learning experience strengthened. **In-charge Faculty:** **Mr. Basavaraj M G** Mobile: 9449105272 Email:gudadappa@gmail.com	Conducted training on "NDT methods in C & H lab" for 5th semester in November 2022.
	Industry Connectivity for Classroom	**Activity-:** Students interaction with industry experts **Outcome:** Improved field connectivity **In-charge Faculty:** **Mr. P M Sakare** Mobile: 9036048428 Email:sakare.sdm@gmail.com	Students interacted with industry experts during workshop on "Advances in soil testing" conducted on 24th and 25th March 2022. 5th semester A & B division, 72 Students interacted with Dr. L. R. Manjunatha, Vice-President Direct sales and sustainability initiatives, JSW cement Limited on 11/10/2022.
	Others- if any		**<< Anything other than planned one may be written here >**

Focus [1]	Perspective/ Key Areas [2]	Year 2022-23			
		PLANNING [3]	Status as on 30th June 2023		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F3 **M3** **Research**	Quality assessment of all research proposals	**Activity-:** Forming of Dept. research group and scrutiny of proposals by the group. **Outcome:** Ensurance of quality and relevance of proposals. **In-charge Faculty:** **Dr. R J Fernandes** Mobile: 9880536130 Email:fernandes.regi@gmail.com	Research group yet to be formed.		
	IPR: Copyrights and Patents				
	Paper Publications	**No-: 15** **In-charge Faculty:** **Dr. R J Fernandes** Mobile: 9880536130 Email:			

		fernandes.regi@gmail.com **Deliverables:** Publication report, Workshop report and Conference Proceedings.	
	Funded Projects	**Submission-:** 03 **Sanction:** NIL **In-charge Faculty:** Dr. R J Fernandes Mobile: 9880536130 Email:fernandes.regi@gmail.com	Submission – 9 Sanctioned - 0
	Others- if any		**<< Anything other than planned one may be written here >**

Focus	Perspective/ Key Areas	Year 2022-23			
		PLANNING	Status as on 30th June 2023		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F4 **M2 & M5** **Value additions**	**Learning for Placement**	**Activity 1:** Training on Industry relevant software. (Example: AutoCAD, Staad.Pro, Revit) **Outcome:** Field exposure, Value-addition, Improved placement. **Activity 2:** Internship for pre-final year students. **Outcome:** 115 students of 7th semester A & B students attended internship at consulting/ construction company and 8th semester 7 No. students presently undergoing internship. **In-charge Faculty:** Prof. P. M. Sakare Email: sakare.sdm@gmail.com Mobile: 9449720219	Conducted training on "STAAD.PRO." for 5th semester A & B division students in January 2022. Number of participants – 65. Conducted training on "REVIT" for 7th semester A & B division students in November 2022. Number of participants – 83. Internship report.		
	Soft Skills	**Activity-:** Planning of soft-skill training programs through CIII.	Conducted aptitude training through CIII. i.For 6th semester A and B division students from 17/06/2022 to 19/06/2022. ii. For 5th semester A and B division students from 16/12/2022 to		

		Outcome: Enhanced soft skills **In-charge Faculty:** Prof. P. M. Sakare Email:sakare.sdm@gmail.com Mobile: 9036048428	17/12/2022.
	Discussion Groups & English Communication Skills	**Activity-:** Planning of personality development programs through CIII. **Outcome:** Improved communication/ group discussion skills **In-charge Faculty:** Prof. P. M. Sakare Email:sakare.sdm@gmail.com Mobile: 9036048428	To be Planned through CIII.
	Use of ICT	**Activity-:** Making all classrooms ICT enabled. **Outcome:** Enhanced teaching-learning. **In-charge Faculty:** Prof. Prateek Cholappanavar Email:pic@sdmcet.ac.in Mobile: 9483491230	Included in budget for 2022-23.
	Others- if any		**<< Anything other than planned one may be written here >**

Focus	Perspective/ Key Areas	PLANNING	Year 2022-23		
			Status as on 30th June 2023		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F5 Community Oriented Services M3 & M5	Awareness Program & Learning Programs through workshops	**Activity:** Planning of Road safety awareness program. **Outcome:** Improved awareness for road users. **Incharge faculty:** Prof: S. A. Kanalli Mobile: 8618039113 Email:shravankanalli@gmail.com	Postponed due to non-availability of slots for Govt. Engineers, planned in November 2023.		
	Technology Transfer Programs				
	Others- if any		<< Anything other than planned one may be written here >		

Focus	Perspective/ Key Areas	Year 2022-23			
		PLANNING	Status as on 30th June 2023		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F6 **Placement**	**No. of Offers**	15	26		
	No. of students getting Placed	15	26		
	Pay packages being offered	2,50,000/-	3,00,000/-		
	MoUs	--	--		
	Internship	--	7		
	Others- if any		**<< Anything other than planned one may be written here >**		

Focus	Year 2022-23				
	Perspective	**Perspective/ Key Areas**	**Status as on 30ᵗʰ June 2023**		
			Outcomes achieved [4]	**Reasons for any deviation** [5]	**Further action plan, if applicable** [6]
F7 **Accreditation and Ranking**	**NBA**	**Accredited Till June 2026.**	Records on course files, paper publications, workshops, trainings, webinars, etc are being updated.		
	NAAC	Applied and waiting for visit.	Records on course files, paper publications, workshops, trainings, webinars, etc are being updated.		
	NIRF ranking.	Improving R&D.	Efforts are being made to increase number of Patents & IPRs, paper publications, workshops conducted and attended, trainings conducted and attended, funded projects etc.		
	Others- if any		**<< Anything other than planned one may be written here >**		

Remarks- by the auditing team.

The progress report mentioned above is presented by the concerned department team, verified for its correctness by the auditing team and approved by the concerned authorities mentioned below.

	Name and Signature with Date of the concerned authority							
Year **2022-23**	DUGC Member Secretary	Dept-IQAC Coordinator	**Faculty I/C** **of** **Strategic Plan**	**Head of the Department**	Member-3 Audit Team	Member-2 Audit Team	Member-1 Audit Team	**PRINCIPAL**