

SDM COLLEGE OF ENGINEERING AND TECHNOLOGY

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Internal Quality Assurance Cell

[Department of Computer Science and Engineering]

REPORT

On

The Annual Quality Assurance Report

AQAR

[2022-23]

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Prepared and Maintained

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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
B.E.	CSE	26-03-2022

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
BE (CSE)	1985	Problem Solving and Programming in C 21UCSC100 / 200	26-03-2022
		Computer Programming Lab 21UCSL100 / 200	
		Cyber Law 21UAEE200	
		Society Environmnet and Engineering 21UHUC201	
		Engg.Mathematics-III 21UCSM300	
		Digital Electronics 21UCSC300	
		Data Structures and Applications 21UCSC301	
		Computer Organization and Architecture 21UCSC302	
		Operating Systems 21UCSC303	
		Unix Administration and Programming 21UAEE324	
		Universal Human Values - I 21UHUC300	
		Digital Electronics Laboratory 21UCSL304	
		Data Structures and Applications Laboratory 21UCSL305	

		Engineering Mathematics-IV 21UCSM400	
		Programming Computer Peripherals and Interfacing 21UCSC400	
		Object Oriented Programming 21UCSC401	
		Analysis and Design of Algorithms 21UCSC402	
		Software Engineering 21UCSC403	
		Universal Human Values – II 21UHUC402	
		Object Oriented Programming Lab 21UCSL405	
		Programming Computer Peripherals and Interfacing Lab 21UCSL406	
		Introductory Project 21UCSC407	

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction
Cyber Law 21UAEE200	26-03-2022
Society Environment and Engineering 21UHUC201	
Universal Human Values – I 21UHUC300	
Universal Human Values – II 21UHUC402	

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 CSE	PG CSE	Date of implementation of CBCS / Elective Course System	UG 2007	PG 2016
Already adopted (mention the year)					

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
Aptitude Training	15-05-2023 to 18-05-2023	140
Advanced "C"	25-11-2022	138

1.3.2 Field Projects / Internships under taken during the year

Project/Programme Title	No. of students enrolled for Field Projects / Internships
B.E. (CSE Internship)	134

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	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the Institution?

The documentation of this process is available at the 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
CSE	120	-	120

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	120	03	23	03	03

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 (<i>LMS, e-Resources</i>)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
26	26	Open source software like Google Classroom, YouTube, WebEx, Zoom, etc.	5 + 1 = 6	-	

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

Every student admitted for a program is assigned a faculty as his / her mentor. The student will be undergoing continuous mentoring sessions from his/her mentor on the announced dates by the program. The student will be sharing their views about the academics, infrastructure and other facilities at the institute or the department. Accordingly, the department / program head will arrange for any modifications in the departmental activities or even may arrange for remedial measures in that perspective. Mentoring even involves taking some remedial classes / slow-learner classes / bridge-courses for chosen courses.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
360 + 120 (1st year UG)	26	1:18

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.
NA	NA	NA	NA	09

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

NA	NA	NA	NA
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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
NA	NA	NA	NA	NA

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-totalling*

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

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)

The outcome based education defines a set of tangible outcomes for the students to demonstrate at the end of the program. The program outcomes are explained through Program Articulation Matrix (PAM) which depicts the proportional weightage for various graduate attributes. The Program Outcomes (POs) are defined by mapping to learning levels as per Bloom's Taxonomy. There are 12 Program Outcomes in general for all UG programs and 3 for PG programs. However, based on the program, in the case of additional attributes, the Program Specific Outcomes (PSOs) are also defined. These program specific outcomes will equip the students with specific attributes over and above the program outcomes. Down the line, the courses are selected as per the articulation Matrix with corresponding weightage. The category/nature of courses is selected with the different learning levels such as knowledge, comprehension, application, analysis, synthesis and evaluation. The courses are classified in three categories viz., fundamental/basic, problem oriented/analysis and application oriented. The program consists of courses exposing the students to L3, L4 and L5 (learning levels). Depending on the level of learning, the course outcomes are defined for all courses including humanities and mandatory learning courses. The course details in the syllabus starts with Course Learning Objectives (CLOs) which will be the reference for the teachers to reach the students. The course outcomes are the deliverables by the students after learning the courses. The Course Outcomes (COs) are measured by direct and indirect (rubrics) methods. The course outcomes serve as inputs for the faculty to prepare action plan and apply midcourse corrections. Thus, the possibility of midcourse correction will make the outcome based education as a closed-loop system which is not found in traditional education. The course outcomes are clearly defined and printed in the syllabus book using appropriate action verbs to accomplish the level of learning such as recite, define, comprehend, use, analyze, solve, design, evaluate, etc. The action verbs used in defining the course outcomes indicate the type and learning level of the course. The program outcomes are communicated to the students through display boards in the departments, College website, and syllabus book. In the first hour of lecture, the faculty members educate the students about the objectives, scope of the course and expected course outcomes at the end of the course. The college follows defining the course outcomes.

Self-Study Report of S D M COLLEGE OF ENGINEERING AND TECHNOLOGY topic/unit wise contents of the syllabus integrating the learning levels. At the end, the attainment of course outcomes are calculated by the faculty members and based on the course outcomes of all the courses, the departments calculate, the attainment of program outcomes. The benchmark for POs and COs attainment will be decided by the DUGC and DPGC keeping in mind the positive progression and quality of education. A software tool available in ERP (Adstco) is used calculate the CO-PO attainment.

2.6.2 Pass percentage of students

Program Code	Program name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
UG	CSE	151	148	98.013%
PG	CSE	06	06	100.00%

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)

The SSS on various metrics like academics, examination process, teaching-learning process, placement cell, hostel facilities, food, transportation facilities, mentorship / counseling, and many such metrics, will be sent as **Exit survey** by the program head. The students will be filling the report in online mode and the survey reports will be generated at the end of 4 years of the Undergraduate program.

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 if yes give details

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Dr.Vidyagouri Kulkarni, Prof. Rashmi Patil	50,000/-	2023	02 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	NIL			
International				

3.2 Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	01 Year	KSCST	4000/-	2023
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students Research Projects (other than compulsory by the College)	-	-	-	-
International Projects				
Any other(Specify)	02 Year	VGST- CISEE	30 Lakhs	2023
	02 Year	VTU	6.10 Lakh	2022
Total				

3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years - 02

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)
NIL	NIL	NIL

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
NIL				

3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
	NA	
Name of the Start-up	Nature of Start-up	Date of commencement
	NA	

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded
Computer Science and Engineering	04

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	Computer Science and Engineering	03	1.424

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
Computer Science and Engineering	03

3.4.4 Patents published/awarded during the year

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

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	hindex
An Effective Way Of Implementing Experiential Learning For Laboratory Courses	Indira Umarji Vidyagouri Kulkarni , Umakant P Kulkarni	Journal of Engineering Education Transformations	2023	00	-	00	02

- A Case Study							
A framework for a curriculum to ensure minimum standard for flexible, experiential and multi-disciplinary learning towards achieving NEP-2020 goals	Indira Umarji , Ranganath Yadawad , Rashmi Patil , Vidyagouri Kulkarni , Umakant P Kulkarni	Journal of Engineering Education Transformations,	2022	00	-	00	02
Fuzzy document classification using ontology based approach for term weighting.	Aijazahamed Qazi	ADBU Journal of Engineering Technology(AJET)	2022	01		01	-
Stream Processing for Performance Analysis of Identifying Dropout Students utilizing Different Decision Tree Based Methods	Sumita Guddin, Dr. R. N. Yadawad, Dr. U.P. Kulkarni	International Journal of Scientific Research in Computer Science, Engineering and Information Technology,	2022	00		00	00
Offline Handwritten Mathematical Expression Recognition using CNN and Xception	Sanjeevini Nasi, Sharada H N	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	2022	00		00	00
Text Summarization Using Machine Learning Algorithm	Dr. Vidyagouri B H, BibiSadiqa M D	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	2022	00		00	05
Stream Processing for Association Rule to Generate Student Dataset using Apriori Algorithm	Keerti Ghodke, Rashmi Patil, Indira Umarji, Dr Vidyagouri Hemadri, Dr U P Kulkarni	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN:	2022	00		00	00

		2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 10 Issue VII July 2022					
Design and Development of Optimized Video Stream processing for Surveillance	Amarnath Swami, Rashmi Patil, Indira Umarji , Dr Vidyagowri Hemadri, Dr U P Kulkarni	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 , Volume 10 Issue VII July 2022	2022	00		00	00
Content-Based Image Retrieval Using Deep Learning	Dr. J C Karur , Asma Hebbal, Dr. Jagadeesh Pujari	International Journal of Scientific Research in Computer Science, Engineering and Information Technology ISSN : 2456-3307	2022	00		00	00
Vehicle Accident Detection and Rescue Information System Using IOT	G Nikhitha, Nita G Kulkarni	International Journal for Research in Engineering Application & Management (IJREAM) ISSN : 2454-9150 Vol-08, Issue-04, July 2022	2022	00		00	00
Content -based Image Retrieval for Multidimensional Objects using Euclidean Distance and an Artificial Neural Network	Poornima Raikar , Dr. S M Joshi	2nd International Conference on Research Trends in Engineering and Management-2022	2022	00		00	00

Image Caption Generator	Sandhya S V, Tejaswini Angadi, Apoorva Pai, Ushanandini	International Journal of Scientific Research in Engineering and Management	2022	00		00	02
The performance evaluation and analysis of QoS metrics on Routing protocols using multimedia traffic in Mobile Adhoc Network	Sandhya S V, Dr. S M Joshi	International Conference for Advancement in Technology (ICONAT)2022-IEEE	2022	00		00	02
Survey on Techniques and Image Modalities in Content Based Medical Image Retrieval	Rani Shetty, Dr. Vandana S. Bhat, Dr. Jagadeesh Pujari	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	2022	00		00	00
Deferred Transmission Control Communication Protocol for Mobile Object-Based Wireless Sensor Networks	Anand Vaidya & Shrihari M. Joshi	Part of the Lecture Notes in Networks and Systems book series (LNNS,volume 458),	2022	00		00	00

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
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Given in above table

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	02	01	-	18	-
Presented papers	02	-	-	-	-
Resource Persons	-	24	-	-	-

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)
Computer Science and Engineering	Third Party Inspection	Jilla Panchayat , Dharwad	48,000/-
Computer Science and Engineering	NBA Accreditation Consultancy and Guidance	Global Business School (GBS) Institution, Hubballi	20,000/-

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
Computer Science and Engineering	Third Party Inspection	Jilla Panchayat , Dharwad	48,000/-	-
Computer Science and Engineering	NBA Accreditation Consultancy and Guidance	Global Business School (GBS) Institution, Hubballi	20,000/-	Faculty of the college

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
Swachh Bharat- Plastic Free Campus	NSS	Anand Vaidya	45 students

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
NIL	-	-	-

3.6.3 Students participating in extension activities with Government Organisations, 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 co-ordinated such activities	Number of students participated in such activities
Blood Donation	NSS/ Red Cross	Blood Donation	Anand Vaidya, Rashmi Patil, Govind Negalur	60 students
Donation	Youth For Seva	Scholl Kit Distribution	Anand Pashupatimath	60 students

	(NGO)	@govt. school, Navaloor, Dharwad		
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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
NIL			

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
Internship	Software Development	Walmart	6 Months	Lavanya Mahabaleshwar Pandit
Internship	Software Development	Persistent	6 Months	Shreyansh Agarwal
Internship	Software Development	CYRAAC Services Private Limited	6 Months	Aditi K Naik
Internship	Software Development	HashedIn by Deloitte	4 Months	Amol Sadanand Telang
Internship	Software Development	Informatica	6 Months	T Shravani
Internship	Software Development	CrimsonLogic, +918067709500	4 Months	Shraddha J Poojari
Internship	Software Development	Saankhya Labs, +918061171000	5 Months	Vaishnavi Lokhande
Internship	Software Development	Saankhya Labs, +918061171000	5 Months	AKSHITA KHETAN
Internship	Software Development	Mercedes Benz Research and Development India	6 Months to 1Year	Ashmitha TM
Internship	Software Development	Dell Technologies, +9108028077000	6 Months	B Shriraksha Malagannavar

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
MoU-ICT	17/12/2018	Training to faculty and students	
MoU-CISCO NETWORK	22/12/2018	Giving exposure in Networking domain	

		with certification, enabling them to get job in networking field	
MoU - Oak Systems Private Ltd., Bangalore	17/04/2019	Giving Exposure to software engineering and software testing principles. Establish Centre of Excellence on V &V Activities	
MoU - Infosys Springboard	2020	Training to faculty and students	

CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year (Jan 2022 to June 2023)

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
Nil	NA

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area		
Class rooms	07 (565.90) sq.mtrs.	
Laboratories	06 (592.46) sq. mtrs.	
Seminar Halls	01(96.04) sq. mtrs	
Classrooms with LCD facilities	7	
Classrooms with Wi-Fi/ LAN	7	
Seminar halls with ICT facilities	01	
Video Centre	-	
No. of important equipment purchased (\geq 1-0 lakh) during the current year.	143 (computers)	30 (computers)
Value of the equipment purchased during the year (Rs. in Lakhs)	65,24,302	18,10,920
Others	7,85,290	-

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
EASYLIB	PARTIALLY	4.3.3	2002

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	47532	13258295	139	77536	47671	13335831
Reference Books	13261	14529048	65	23835	13326	14552883
e-Books	11266	175449705	13469	1052250	24735	176501955
Journals	122	2679071	81	200277	203	2879348
e-Journals	1848	24989798	10445	1052250	12293	26042048
Digital Database	1	0	0	0	1	0
CD & Video	2993	45421	0	0	2993	45421
Library automation	1	60000	0	0	1	60000
Weeding (Hard & Soft)	85	1885	0	0	85	1855
Others (specify)	2026	NA	0	0	2026	NA

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 Computer s	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	143	06							
Added	30	-							
Total	173	06							

4.3.2 Bandwidth available of internet connection in the Institution (Leased line)

..... MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre 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	Fee Concession	03	Rs 30,000/-
Financial support from other sources			
a) National	SSP - State Scholarship Portal	187	Rs 52,28,508/-
	JKPMSS - Jammu Kashmir Prime Minister Special Scholarship	05	Rs 3,43,655/-
	AICTE Pragati Scholarship for girls	07	Rs 2,10,000/-
b) International	Nil	Nil	Nil

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	15th May, 2022 15th - 18th May, 2023	130 130	Innovations Unlimited, Bengaluru
Language lab	13th June, 2023	607	Inhouse - Institute initiative
Bridge courses	21 -22 March, 2023	120	Inhouse - Department Initiative
Yoga	21st June 2022 21st June 2023	70 100	Inhouse - Institute initiative
Personal Counseling and Mentoring	2nd July, 2022 12th June, 2023	480	Inhouse - Department Initiative

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
May, 2023	GATE, 2023	NIL	NIL	2	NIL

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
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grievance redressal

NIL

NIL

NIL

5.2 Student Progression

5.2.1 Details of campus placement during the year 2022

On campus		Off Campus	
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
1. Coditas 2. Persistent 3. TCS (Ninja) 4. TCS (MBA) 5. Cognizant-GenC Next 6. Cognizant-GenC Elevate 7. Cognizant-GenC 8. Capgemini Technology Services India Limited 9. Capgemini Technology Services India Limited 10. Walmart Global Tech India 11. Allegion 12. Accenture-Visiting School Program (ASE) 13. Accenture-Visiting School Program (Advanced ASE) 14. HashedIn by Deloitte 15. Zimetrics Technologies PVT LTD-Pune 16. Noesys Software Pvt. Ltd 17. Accolite Digital 18. Dell Technologies 19. Kantar Analytics Practice (KAP) 20. Societe Generale GSC India 21. Mercedes Benz Research and Development India(MBRDI) 22. Infosys Limited 23. Infosys Limited 24. Rakuten India Enterprise Private Limited (Internship) 25. Brillio 26. Informatica 27. MS Technologies 28. Hexaware Technologies Ltd. 29. RedBus 30. Technologies Global Pvt Ltd 31. Oracle- GSD 32. Oracle 33. CYRAAC Services	145	128	-

Private Limited 34. IBM India Private Limited 35. TEKsystems Global Services Pvt. Ltd. 36. Radisys India Pvt. Ltd 37. CoreEL Technologies 38. Sony India Software Centre Pvt. Ltd. 39. CrimsonLogic 40. Revature India 41. Zensar Technologies 42. Wipro Limited 43. CSGI (Firstnaukari) 44. Wilay Mthree 45. Saankhya Labs 46. Juniper Networks 47. Sonata Software Ltd 48. Prime Number Technologies 49. MResult 50. Toshiba Software India Pvt. Ltd. 51. Tata Elxsi Limited 52. Target Tech 53. Vrize 54. Vrize 55. Qualitest Group 56. Deloitte 57. Nextuple India Pvt. Ltd. 58. QuEST Global Engineering Services Private Limited 59. Bosch Global Software Technologies Pvt Ltd (BGSW) 60. Mindtree Ltd. 61. ITC Infotech			
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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
2023	01	Undergraduate, SDMCET, Dharwad	Computer Science and Engineering, SDMCET, Dharwad	University of Dayton	Computer Science M.S.

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	2	1. CS23S11223092 2. CS23S11223101
GMAT	-	-
CAT	-	-
GRE	-	-
TOFEL	-	-
Civil Services	-	-
State Government Services	-	-
Any Other	1	022647

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

Activity	Level	Participants
Year : 2023		
Insignia	Institute level	28
Year : 2022		
Insignia	Institute level	24

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	Gate Rank – 7128 during the year 2022.	National	-	-	2SD19CS062	Mr. Nandeesh B.K.
2022	Gate Rank – 10445 during the year 2022.	National			2SD19CS079	Mr. Praveen Pragya
2022	awarded and certified as “Cyber Crime Intervention Officer” by National Security Database (NSD)	National				Mr. Sushrut KN
2022	passed phase one and have been invited to participate in a 24-hour State Level Hackathon in Sentinel Hack 3.0, held by the Department of Computer Science and Engineering at K.S Institute of Technology				2SD20CS067	P Guruprasad

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):

- ❖ Alumni Registered members numbers branch wise 18445
- ❖ Contribution by Alumni last year Rs. 8lakhs & Last 3 years Rs. 26lakhs
- ❖ No of Alumni meet last year 4 & last 3 years 10

The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services.

The Alumni Association of the college has been in existence since 2003. The college is in existence for more than four decades and has more than 10000 alumni who are now occupying significant positions in India and abroad. The students passing out of the college are automatically made members of Alumni Association by paying a onetime fee. The Association has around 6000 members on its rolls. It conducts an Alumni meet annually in different parts of the country like Mumbai, Bengaluru, Pune, Delhi, Nashik, Mangaluru etc. The Association provides scholarship to poor, meritorious students, runs a book bank and provides technical support to academics and also placement assistance. The two major projects carried out by the Association include initiation of construction of a guest house and an indoor sports complex both of which have been built with alumni assistance.

5.4.2 No. of registered Alumni: **3410**

5.4.3 Alumni contribution during the year (in Rupees) : Last year Rs. 8lakhs & Last 3 years Rs. 26lakhs

5.4.4 Meetings/activities organized by Alumni Association : No of Alumni meet last year 4 & last 3 years 10

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)

Institution practices Decentralization and Participative Management. The success of an institution is the result of the combined efforts of all who work towards attaining the vision of the institution. Right from the President of the Management Committee to the staff and students, all the stakeholders have a role to play in building of the college. Their involvement and cooperation in devising and implementing decision making policies for academic and administrative affairs through various bodies and committees have contributed to the growth of the college. Institution focuses keen on decentralization by intending equal opportunity (equal role to participate is the functioning of the Institution management comprises of management committee, college governing council and each committee has been provided with specific functions cater to the needs of institution for the ongoing progress and development of the Institution. Management committee takes care of infrastructure facilities which fulfil the quality and the required needs of the higher education bodies to reach the set goals or bench –marks of the Institution.

The Principal along with Teachers of different committees for planning and implementation of different academic, student, administration and related policies are carried out throughout the year.

Various committees are as follows:

- Internal Quality Assurance Cell (IQAC)
- NSS Committee , Extension Activities & Students Welfare Committee
- Graduation Committee
- Website Development Technical committee
- College Annual Magazine Committee
- Green Audit and Garden committee
- Alumni Association
- Students Grievance Redressal Cell
- Time Table Committee
- Admission Committee
- Research Advisory Committee
- Anti-Sexual Harassment & Women’s Grievance Redressal Committee
- Anti-Ragging Committee
- Cultural Events Committee

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 curricula are developed in line with the vision of the institution that is to develop competent professionals with human values. While developing the curricula, reference is made to the body of the knowledge specified by both the legal and professional organizations at National and global levels. The curriculum is defined to achieve the program educational objectives such as employment, professional growth, life-long learning, sense of serving the society by practicing the values. The courses incorporated

in the curricula will cover the specified Program Outcomes (PO) for an engineering graduate. The contents of the courses are discussed in length in BOS which consists of members representing industry, meritorious alumnus, academic experts nominated by the University and Chairman Academic Council and finalized keeping the contextual relevance. The course contents are also making reference to the modified Bloom's taxonomy with the set of defined Course Outcomes (COs). There is a process in place to design the curricula. The departments will take the inputs from various stakeholders such as industry, alumni, peer Institutions, academic experts, management representatives, parents, students etc. Further, taking the reference of model curricula by AICTE and VTU, the Department Undergraduate Committee (DUGC) will discuss over a few sittings and propose the designed curricula to the Board of Studies (BOS). The BOS further discuss and deliberate on the proposal recommended by the DUGC and with suitable changes, it will recommend to Academic Council (AC) for final approval. The academic Council will consider the recommendations of BOS for discussion and will approve the curricula. However, in the case of any changes or modifications, the same is referred to BOS to review the recommendations and direct BOS to resubmit. The AC approved curricula now will be implemented by the college by pooling the proper resources in accordance with the mission statements of the Institution. The resources provided include pedagogy to promote effective teaching-learning practices using modern tools and techniques, interleaving research in teaching, industrial connect to classrooms for the students to know and understand real life situations and impart ethics and soft skills leading to well-rounded personality development. The curricula are revised completely once in 4 years. Also, every year it is reviewed and changes in the course contents to the extent of 10% is permitted. The departments will submit budget requirement for upgrading the infrastructure and equipment's whenever the curricula is revised. Thus, the institution is committed to have curricula relevant to local, national and global development needs and curricula implementation is accomplished by providing the necessary resources.

❖ **Teaching and Learning**

Teaching-Learning is the prime and focused activity of an affiliated/autonomous academic institute that produces and provides Application Engineers to the National Technical man power pool. These Engineering Graduates are expected to interpret and implement the technologies for the comfort of the society. At present, the Teaching-Learning Process (TLP) is driven by the technologies to train the students to acquire knowledge for enhancement of their intellectual base. In earlier days, the knowledge was available with only a few resources and hence, the role of teacher was to impart knowledge to the students through class room delivery making the process more teacher-centric. Now, with the changing times teacher-centric method alone cannot explore potential of the students to increase their learning horizons. The technologies are available for teaching that leads to student-centric teaching/learning methods. This will bring more confidence in the students and also make them to achieve the Program Outcomes (POs) such as design ability, thinking ability, practical validation, working in team, leadership qualities, concern towards societal problems, lifelong learning etc. In our Institute, the contents are included in the curricula such that the students participate in the learning process. In few identified courses, topics for self-study, contents to study beyond the syllabus, open-ended problems, open-ended experiments, are included besides project courses introduced from 4th to 8th semester. In addition, the internship, seminar, training on aptitude and soft skills are also provided in which students participate to learn more on their own. The students are also educated about the Program Outcomes (POs) and Course Outcomes (COs).

The faculty members organize the contents properly by preparing meticulous lesson plans with an emphasis on scope for participatory learning. The faculty members use learner-centric methods such as activity; project based learning wherein the students learn the concepts, problem-solving methods, practical realization of concepts by carrying out activities, projects, etc. The students are encouraged to deliver seminars in the class on the contents related to the course(s) followed by interaction and discussion

in the class. This will give the students an experience of professional practice through learning. The students are encouraged in the laboratories to learn, create, design, innovate, develop work setup/experiment as solutions for open-ended problems. The faculty members act as facilitators for courses such as laboratory, project, internship, seminar etc., and leading to participatory learning. In addition, the faculty members involve in creating learning materials, designing assignments and also develop in-house teaching models to augment student-centric learning. Further, students are encouraged to attend lectures delivered by industry experts, alumni, academicians that instill the zeal of lifelong learning in the students. Thus, the Institute aims at enhancing the learning by practicing learner-centric approach, experiential learning, participatory learning by incorporating the essence in the curricula and teaching methodologies, teaching tools besides providing the necessary infrastructure.

❖ **Examination and Evaluation**

The examination procedures and processes have been framed keeping in mind the objectives of examination like testing for the achievement, prediction, creativity, ranking etc. The students are tested for the knowledge acquired, competency and skill sets through examination. The college follows absolute grading system. The nature of the examination depends upon the type of the course(s).

There are two components to examine the students viz Continuous Internal Evaluation (CIE) and Semester End Examination (SEE) with equal weightage for both the components. The CIE is devised to ensure that the students are studious and show positive progress in learning. Further, the CIE is having two components viz Internal Assessment Tests (IA Test) and Course Teachers' Assessment (CTA) with weightage of 80% and 20% respectively. The first component consists of IA Test 1, IA test 2 and IA Test 3 of which IA Test 1 and IA Test 2 are compulsory and IA Test 3 is an improvement test. The duration of IA test is one hour. The two higher scores of 3 tests are considered for finalization. Another component i.e. CTA is evaluated for 20% of the marks. The component of CTA include quiz, assignments, projects, seminar, paper presentation, poster presentation, participation in curricular technical activities, successful online course completion etc. The CIE will be finalized considering the performance in the IA tests and CTA. The students have to score minimum 40% marks to become eligible to write Semester End Examination, otherwise they have to repeat the course through re-registration whenever offered next. The Semester End Examination is conducted at the end of the semester for 100 marks and scaled down to 50 marks. However, for courses with two credits, examination is conducted for 2 hours for 50 marks. All the courses (with credits) like theory, Laboratories, project, internship courses are evaluated in terms of CIE and SEE. Non-credit and mandatory learning courses are evaluated only through CIE. The IA test time table is prepared centrally and conducted involving all the departments. The question paper template for IA test and SEE is supplied to the departments to maintain uniformity by the Controller of Examination office. Since the continuous and final evaluation being one of the features of academic autonomy, it is necessary to use Information Technology (IT) for smooth conduct of examination and related activities.

The college has Enterprise Resource Planning (ERP) software called Adstock with 40 various modules. The examination module of the Adstock is used for implementing the procedures and processes of examination. The examination block preparation with seating arrangement is done by using an exclusive Excel template. The scheme of study will be entered into the software. The faculty members enter the IA marks of all IA tests, CTA scores and attendance in the Adstock. Further, few faculty members use Google classroom to conduct quiz and MCQ tests. The question paper pattern declaration along with course outcomes is also done using the software and attainment of Course

Outcomes and Program Outcomes will be calculated by the software. The ERP provides final CIE score of students. There is also report generation option for cross verification. The ERP also generates barcodes for the answer scripts of Semester End Examination. The valuers enter the marks in the Adstock directly and will take printout of the marks cards to be submitted to COE office. The ERP will give the results of the students directly. The grade cards are printed using Adsock besides transcripts. The software provides the list of students for vertical progression to take admission to the next academic year. The students' credentials are verified through an online portal interface with our college website when sought by the external agencies. Also the students are issued with duplicate copies of academic records and certificates on request in online and offline mode. The college practices the transparency in examination system by showing the valued answer scripts (only theory courses) to the students as per the schedule declared by COE office, before announcement of the results. This will considerably reduce the applications for reevaluation. More than that, the students will come to know the requisite answers to score good marks in future examinations by interacting with the faculty and referring to the scheme provided. The IT integration to implemented examination procedures helps the college to complete the time-bound activities and ensure adherence to the academic calendar. These reforms in the examination procedures will augment related academic activities like admission, training programs, flexibility to the students to plan their activities during vacation for internship, travel and any academic related activities. As a quality measure, the audit of the examination centre is carried out every year involving an external expert from a reputed Institute.

❖ **Research and Development :**

The institution envisages the promotion of quality research by creating strong and vibrant research ecosystem with an emphasis on innovation and technology development. The integration of research, innovation, and technology development is the basic building block of Atma-Nirbhar Bharat (Self-reliant India). It is essential to create a conducive environment for increased research productivity, to encourage collaborative research cutting across different streams. In line with the Country's mission, the institution caters to the needs of research by supporting the development of laboratories, funding equipment's specifically required for research and provide financial support for the product development. The Institution promotes interdisciplinary/multidisciplinary and translational research culture. The Institution has incubation centre which houses 6 startups and one centre of excellence in Robotics and Sensorics. The Institution deputed the faculty members to pursue full time PhD from premier institutions by sanctioning study leave and paying regular salary. The Institution provides financial support (registration fees & travel allowance) to attend National/ International Conferences, symposiums, and consortiums. The Institution helps the students/faculty members to file the patent and lends financial support to get it published or granted. Separate budget is earmarked for research and innovation. The institution has well defined research policy which includes components such as seed money scheme/seed grant, research incentives for journals publications, attending conferences, incentives for research projects, organising conferences / seminars / symposiums /consortiums and partially supports the professional memberships. All the departments of the Institution are recognised as research centres by Visvesvaraya Technological University, Belagavi, Karnataka where more than 100 students have registered for doctoral degree. . Institute is actively involved in interdisciplinary and multidisciplinary in collaboration with University of Agricultural Sciences, Dharwad and SDM University, Dharwad.

❖ **Library, ICT and Physical Infrastructure / Instrumentation**

The Institute is aware of the redefined role of teachers in the present education system. Apart from imparting knowledge, they need to act as facilitators, guides and help directing the students to fetch the

right information from various resources. The learning is made more effective by promoting the use of ICT while delivering the contents in the class rooms. Now the curricula involve integrated courses in which theory followed by validation is done. At present, the execution of course structure is possible by the teachers with integration of ICT enabled tools, involving online resources for effective teaching and learning processes. The college uses ICT enabled tools in addition to the traditional classroom teaching.

The general ICT tools used by the faculty members based on the nature of the course include desktops and laptops, projectors, printers, document cameras, pen drives, iPads, scanners, microphones, interactive whiteboards (smart boards), DVDs, CDs, cassettes, Wi-Fi connectivity as well as mobile, powered by wireless networks. The Institute will focus on e-learning that provides inclusion, higher order thinking skills, enhanced learning, develop ICT literacy and compatibility, motivated learning, collaborative learning, improved engagement and knowledge retention.

The knowledge resource center (Library) of the college provides resources such as digital library for accessing e-books, e-journals, cassettes, CDs and institutional repository containing projects reports, thesis reports and question papers for references. The use of ICT enabled tools and e-resources are cost-effective and cover the environmental concerns such as paperless governance, ease of student management etc. The NEP-2020 recommendations included blended mode of teaching to support distance learning also. The college uses Learning Management System (LMS) that includes platforms such as Google meet, Webex, Microsoft Teams, Zoom, etc., to engage online classes. The world witnessed the need of online teaching during COVID-19 period. The college conducted online teaching during COVID period. The proctored online examination was conducted by integrating two online platforms viz Google meet and exam.net during COVID -19 period.

Many faculty members provide learning materials in the form of notes, prerecorded lectures by creating Google classroom and blogs. Also the learning material is made available in the college website for students' reference. The college also uses ICT for administration and ERP for library usage analysis and examination purpose.

Thus, the ICT enabled tools are used to enhance the effectiveness of teaching and learning process. The campus is spread over an area of 40.22 acres with built up area of 60,966.6 Sqm. Out of which 3727.72 Sqm is allocated to administration which accommodates Principal's office, Dean's office, COE, admission, accounts, security and maintenance etc., Academic area is spread over an area of 17,726.53 Sqm, which includes classrooms, laboratories, seminar halls and research centres etc., Campus has **43 classrooms, 54 laboratories and 9 seminar halls**. Campus has Central computing facilities (CCF & P-CAD lab) in addition to department computer laboratories. Campus has library facility spread over an area of 2412 Sqm with different sections like issue section, reference section, reading rooms digital reading section (webinarium). All the academic blocks and hostels are connected by Wi-Fi with access to online learning materials, e-books, e-journals etc.

❖ Human Resource Management

There shall be a Board of Appointments in the college.

Constitution:

Hon'ble Chairman of the GC or his nominee	: Chairman
One nominee of the University	: Member
One nominee of the SC/ST/OBC nominated by the Vice Chancellor	: Member
One nominee of the AICTE	: Member
Two experts of the rank of Professors from outside college nominated by the principal	: Members
Concerned HOD	: Member

Two members
Principal

Dean (Admin) & Dean (AP)
: Member Secretary

Term: The nominated members shall have a term of two years from the date of constituting the committee.

Meetings: Whenever the recruitment is to be done.

Functions:

1. To submit the list of well qualified candidates selected for approval to GC and subsequent appointment by the chairman GC.
2. Give suggestions to GC about the policies and qualifications as laid down by the council/University from time to time.

❖ Industry Interaction / Collaboration

Institution has made a major transformation in its education paradigm, a shift to Outcome Based Education (OBE), defining contextual relevant outcomes and its measurement procedures to prepare students for industry readiness.

Center for Industry Institute Interface was started in the year 2014 in view to provide a platform for both the students as well as faculty members to be aware of industry expectations of skill sets required for students.

Company perspective training is offered to all students on regular basis through collaboration with reputed Industries all over India.

- The Center also aims to provide a platform:
- To arrange industrial training/internship for the students.
- To organize industrial exhibitions.
- Involving industry personnel in delivering lectures on latest technological growth.
- Inviting eminent industrial personalities in the preparation of academic curriculum as per industry needs and other academic works of our institution.
- Organizing training programs in the college.
- Providing incubation facility.
- Promotion of entrepreneurship among the students.

CIII has organized more than 400 training programs on regular basis through collaboration with reputed companies all over India and approximately 5000 students have been benefitted from the same over the period of 7 years resulting in ON and OFF campus placements in reputed companies (approximately 14% increase in campus placements from last 2 years).

❖ Admission of Students

SDMCET provides equal opportunities to the young aspirants in admission into various programmes. No gender bias is adopted in admitting the students. Students who are economically weak are admitted under Tuition Fee Waiver (TFW) schemes of AICTE and State Government. After admission, various scholarships are provided by Management and facilitated for different Government and private Schemes. Besides, students with meritorious record in sports, persons with disability, wards of ex-servicemen are given preference in the admission as per the norms of the DTE. SDMCET ensures equity among different communities by strictly following the Reservation Policies of State and Central Government and currently has students from SC/ST, OBC and other categories and such students are provided equal facilities and access without any gender and caste discriminations. In order to provide the career enhancement opportunities to the Diploma Candidates, Lateral Entry Scheme has also been implemented, where a Diploma holder can directly join second year of the UG Programme based on the Merit and other conditions. Cultural sensitivity and respect for others is stressed upon in the orientation programs conducted for 1st semester students. The annual cultural festivals of the colleges under VTU provide a platform for students to learn about each other's traditions and heritage.

6.2.2 : Implementation of e-governance in areas of operations:

In following sections e-governance is implemented.

1.Administration

- 2.Finance and Accounts
- 3.Student Admission and Support
- 4.Examination

❖ **Planning and Development**

The Institute has developed a strategic plan for the period of 2017-18 to 2021-22 and 2022-23 to 2026-27 which is a primary document that serves as a navigator to the Institute in which direction it supposed to proceed. The strategic plan helps the Institute to achieve its vision in a stipulated time. The five-year strategic plans have been divided on yearly basis for easy monitoring / modification and effective implementation. Strategic plan has been developed to excel seven focused areas such as curriculum relevance, exam results, research, value additions community-oriented services, placement, accreditation and ranking.

❖ **Administration**

Dean Administration is responsible for all administrative matters including HR, governance and monitoring overall administrative activities of the Institute under the directions of Principal.

❖ **Finance and Accounts**

For finance and account a designated staff with Tally software is used and audited once in a year. The finance committee shall give inputs to the GC on all matters connected with the finances of the college. The committee shall consider the budget estimates relating to the grant received/to be received from the commission/council and other agencies and income from fees collected for the activities to undertake the status of autonomy and to obtain the audited accounts of the above.

❖ **Student Admission and Support**

Admission section along with faculty in-charge facilitates students to take admission. Information on Engineering Admission Process will be held at institution to the general public every year to create awareness on admission. Team of faculty members visit different places for career counseling organized by Hindu publication house through their education plus wing to create awareness among public on various branches of engineering. Admission data is made available in Adstock software for smooth administration.

❖ **Examination**

In academic calendar all internal and semester end examinations are declared well in advance and revaluation, make-UP and Summer Term Course facilities are provided. All Question Papers will be reviewed by IQAC, internal and external BOE members. S D M College of Engineering and Technology has appointed VFS Docswallet solution for providing the electronic method of verification of educational records issued by this institution. SEE Answer Scripts are shown on prescribed date scheduled by COE to the students. Examination timetable, Results and Notifications are displayed on website on time.

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 : NIL

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
-	-	-	-	-

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	Title of the administrative	Dates	No. of	No. of
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	professional development programme organised for teaching staff	training programme organised for non-teaching staff	(from-to)	participants (Teaching staff)	participants (Non-teaching staff)
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)		
FDP on Mathematical Foundation for Machine Learning	05		03-08-2022 to 06-08-2022		
Guide to quality Research Publication workshop on Tools for Research and Technologies for Researchers using R/Python/ Matlab.	01		21-10-2022		
Programme Attended at BITES Annual Convention 2022	01		12-12-2022 to 18-12-2022		
Two day NAAC sponsored National Level Seminar on "Strategic Planning and implementation of OBE in NEP 2022"	01		10-02-2023 & 11-02-2023		
FDP on "Artificial Intelligence" under Tech Saksham program.	01		22-08-2022 to 23-08-2022		
FDP on "Importance of Data Science in Machine Learning and its Applications"	01		23-02-2023 to 25-02-2023		
3-Days FDP on Effective Implementation of NEP Multidisciplinary Education and Strategies.	02		06-02-2023 to 10-02-2023		
Workshop on OBE Awareness	35		10-11-2022 to 12-11-2022		
Review Session on How to Write Action Plan.	21		28-10-2022		
21-06-2022					
6.3.4 Faculty and Staff recruitment (no. for permanent recruitment):					
Teaching			Non-teaching		
Permanent	Fulltime		Permanent	Fulltime	
6.3.5 Welfare schemes for					
Teaching			01 (Health Card)		
Non teaching			01 (Health Card)		
Students			01(Health Card)		
6.4 Financial Management and Resource Mobilization					
6.4.1 Institution conducts internal and external financial audits regularly Yes , internal and external financial audits are conducted regularly for every year.					
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	
Management		80,000-00		Seed money	
6.4.2 Total corpus fund generated : NIL					

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	Academician	Yes	IQAC
Administrative			Yes	stock Verification

6.5.2 Activities and support from the Parent – Teacher Association (at least three) : Parents meet 01/sem

6.5.3 Development programmes for support staff (at least three) :01- Program on Fire Safety Extinguisher

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 : No
- 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
2022	QP Scrutiny	During BOE and Regular IA Schedules		
2023	PBSA Verification	Once in a year		All faculties

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	
Not done		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

Not done

7.1.3 Differently abled (Divyangjan) friendliness

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

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)
Not Done	-----	-----

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-----to-----)	Number of participants
Not Done	-----	-----

7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)

Carbon free 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

1. OBE practices are followed for regular TLP
2. PEM model for CTA assessment
3. Invited industry experts for various courses
4. CIII activities for soft-skills/aptitude and value addition courses

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust

Provide the weblink of the institution in not more than 500 words

Good admission record

Good placement record with highest package of 41LPA

Flexibility in selection of courses based on elective courses and Independent course(not part of curriculum).

SUMMARY OF NOTEWORTHY OUTCOMES

Year 2022-23

[July to June]

Department of:

Sl. No	Outcome	Baseline 2022 Jan-Dec	Current 2022-23 Jan-June 2022 July22- June23
1	Indexed Journal Publications	10	05+15 = 20
2	Other – Paper/article Publications		23+2=25
3	Book Publications		02+00=02
4	Book Chapter Publications		-
5	IPR Publications		-
6	IPR Granted		-
7	No. of Funded Projects sanctioned		02+01=03
8	Total Funds Received.		6.60 + 30 Lakhs
9	Total Projects- Ongoing		05
10	% Of Placement		88.36
11	No. of Offers		297
12	Highest Package L/A		23.39
13	Lowest Package L/A		3.6
14	% - of Students Graduated		97 %
15	No. of startups		-
16	Consultancy Total Number: IRG generated:		02 Rs 68000
17	No. of Conferences Conducted		01+01=02
18	No. of Workshops/ Seminar/ conducted		01
19	No. of Workshops/ Seminar/ conferences attended (Faculty + Students= Total)		13+08=21

20	No. of awards / recognitions received (Faculty + Students + dept/Institution= Total)		02+04
21	No. of New Infrastructure / Programs/space/laboratories created		-
22	No. of networking/society connect programs conducted.		01+01
23	No. of learning materials created and published		-
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 2038583	Apr-2022 to March 2023 2555000
27	Total Expenditure In Lakhs of rupees	Apr-2021 to March 2022	Apr-2022 to March 2023
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.

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

1. Introducing **trending programs** in CSE related domain.
2. Establishing **Recording studio** to create in-house high quality learning materials for students.
3. Greater **autonomy for faculty** members suggested in NEP-2020.
4. Improved **Industry readiness** of students.
5. Enhancing **expertial/project** based learning
6. To introduce **open book** test

Name & Signature of the Coordinator-IQAC

Name & Signature of the Chairperson/Head

Date: 01-07-2023

_____ *** _____

NOTEWORTHY ACHIEVEMENTS OF DEPARTMENT

1. Highest package of 41 lakhs for 6 students in German company
2. Dr. Umakant P. Kulkarni and Dr. Vidyagouri Hemadri have been sanctioned a Project titled “Impact of Neuro Signals on Human Health and Emotions” from VGST- CISEE during the year 2023. The project is funded for 2 years for the sanctioned amount of Rs. 30 Lakhs.
3. Prof. Rani Shetty received a certificate of appreciation in supporting implementing the Intel India STEM Skills program for women at SDMCET during 2022-23.
4. Dr.Archana Nandibewoor has won consolation prize in poster presentation competition on 28-02-2023 at the National Science Day 2023 organised at Shri Dharmasthala Manjunatheshwara University, Dharwad.
5. Mr. Nandeesh B.K. has scored Gate Rank – 7128 during the year 2022.
6. Mr. Praveen Pragya has scored Gate Rank – 10445 during the year 2022.
7. Sushrut K.N. was awarded and certified as “Cyber Crime Intervention Officer” by National Security Database on 02-03-2022.
8. Mrs. Aparna Pujari one of the Computer Operator of our Department of Computer Science and Engineering has received for her work as:
 - Recognized, Honored and featured as one among 50 Inspiring women of India by Fox Story India.
 - Recipient of the prestigious India Trade award 2022.
 - Recipient of Save the Environment Award 2022 at an International Conference EWASH that was held in collaboration with Hindu College, Delhi, CSIR and RSE London North India Section.

SDM College of Engineering and Technology, Dhavalagiri, Dharwad-580002

Department of Computer Science Engineering

STRATEGIC PLAN IMPLEMENTATION REPORT



[2022-23]

1st Jan 2022 to 30th June 2023

Date of Publication: 1st July 2023

Reference: 5 Year Plan 2022-2026

INTRODUCTION:

The purpose of this document is to record the **yearly** progress of the Department based on their stated strategic plan for the year -**2022**(starting from 1st January to December and till June 30th 2023).In charge person indicted against each perspective/ Key areas 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. S M Joshi, **Professor and Head, Department** of CSE, SDM College of Engineering and Technology, Dharwad-580002.

Email: joshshree@gmail.com

Mobile: **+919036079402**

2. Dr. J C Karur, **Faculty I/C- Strategic Plan**, Department of CSE, SDM College of Engineering and Technology, Dharwad-580002.

Email: jck1965@gmail.com

Mobile: 8971212216

Year 2022

Focus [1]	Perspective/ Key Areas [2]	PLANNING [3]	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
			F1 / M1 Curriculum Relevance	<p>Re-establishing the relevance of critical thinking in Course outcomes and raising learning levels focusing on Experiential learning of NEP-2020.</p>	<p>Activity-1: Conducting Session(s) on Critical thinking (OBE) and Experiential Learning aspects of NEP-2020.</p> <p>Outcome/Target: 1. Awareness on NEP-2020 and improved understanding of expected Critical thinking.</p> <p>In-charge Faculty: Dr. R.N.Yadwad, DUGC Member Secretary. Mobile: 9164685527 Email: rnyadawad@gmail.com</p> <p>Email: rnyadawad@gmail.com</p>

Activity-2:
Conducting brainstorming session (s) on existing COs/ POs mapping w.r.t experiential learning aspects of NEP-2020.

Outcome/Target:

1. Improved awareness of course specific writing COs and Its Mapping with POs.
2. Awareness on quality of assignments as a part of quality compliance with COs.

In-charge Faculty:
Dr. R.N.Yadwad, DUGC Member Secretary.
 Mobile: 9164685527
 Email: rnyadawad@gmail.com

1. Session on “How to Write Action Plan” was conducted on 21-06-2022 at 3pm in CSE Seminar Hall. Totally 21 faculty members attended the session.
 Resource Person: Dr. U.P.Kulkarni.

Impact of this session is at the level 4 in the scale of 1(lowest) to 5(highest).

[Link-files\Page-2.pdf](#)

Activity-3:
Incorporating new understanding of critical thinking in the curriculum with course timestamp-2021.

Outcome/Target:

1. Incremental upgradation and implementation of COs and PEM model.

In-charge Faculty:
Dr. R.N.Yadwad, DUGC Member Secretary.
 Mobile: 9164685527

1. Workshop on “OBE Awareness” was conducted on 28-10-2022 at 4:30pm in CSE Seminar Hall. Totally 39 faculty members attended the session.
 Resource Person: Dr. U.P.Kulkarni.

[Link-files\Page-3.1.pdf](#)

2. NBA Test on “Awareness about NBA and OBE” was conducted on 08-12-2022 in CSE Seminar Hall. Totally 28 faculty members attended the test.
 Prepared and Maintained By: Dr. .P.Kulkarni.

Impact of this session is at the level 3.5 in the scale of 1(lowest) to 5(highest).

[Link-files\Page-3.2.pdf](#)

	<p>Re-establishing the relevance of Program Articulation Matrix - PAM</p>	<p>Activity-1: Conducting Gap analysis on 2018 timestamped syllabus and building 2021 timestamped syllabys incrementally.</p> <p>Outcome/Target:</p> <ol style="list-style-type: none"> 1. PAM upto 4th sem with COs to POs mapping. 2. Tentative housing of all courses from 1st to 8th (2021 timestamped courses) semester in PAM. 3. Defining the order, number of courses and balance between theory and laboratories for entire curriculum (2021 timestamped). <p>In-charge Faculty: Dr. R.N.Yadwad, DUGC Member Secretary. Mobile: 9164685527 Email: rnyadawad@gmail.com</p>	<ul style="list-style-type: none"> • Gap analysis based on Program Articulation Matrix (PAM) for Syllabus of 2018 Scheme is completed. • For Syllabus of 2021 Scheme, gap analysis is completed up to 4th Sem. <p>For NEP – 2020, the 2022- Scheme, PAM is prepared.</p>
	<p>Conducting internal and External Audits</p>	<p>Activity-1:</p> <p>Regualr Question Paper review for its compliance with COs before conducting IAs.</p> <p>Outcome/Target:</p> <ol style="list-style-type: none"> 1. Report on quality assurance of assessment tools (IAs). 2. List of possible improvements. <p>In-charge Faculty: Prof. Anand Vaidya., IQAC cordinator of the Department Mobile: 9036889732 Email: vaidya.anand@rediffmail.com</p>	<p>As a policy of the department every question paper is reviewed by department internal IQAC before the examination.</p> <p>Link-files/Page-4.pdf</p>

		<p>Activity-2: Regular review of sample question paper by external.</p> <p>Outcome/Target: 1. Report on quality assurance validity by externals. 2. List of possible improvements.</p> <p>In-charge Faculty: Prof. Anand Vaidya., IQAC coordinator of the Department</p> <p>Mobile: 9036889732 Email: vaidya.anand@rediffmail.com</p>	<p>Review of sample question papers was completed on 28-06-2022 by Expert Prof Dr.M M Math,GIT, Belgavi</p> <p>Link-files\Page-5.pdf</p>
		<p>Activity-3: Conducting external audit once in a year.</p> <p>Outcome/Target: 1. Report on department level progress. 2. Action plan for the improvement of the department.</p> <p>In-charge Faculty: Prof. Anand Vaidya., IQAC coordinator of the Department</p> <p>Mobile: 9036889732 Email: vaidya.anand@rediffmail.com</p>	<p>Completed external audit on 28th May 2022 by Expert panel Kamal Das, IIT ,Dharawad and his remarks is attached.</p> <p>Link-files\Page-6.pdf</p>
	<p>Others- if any</p>		

		Year 2022			
Focus [1]	Perspective/ Key Areas [2]	PLANNING [3]	Observations / Remarks by Auditors		
			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	Activity-1: Bridge course for following courses : <ul style="list-style-type: none"> • Data structure for III sem • Object-oriented programming for IV sem • Linear algebra with Artificial Intelligence for VII sem Activity-2: Mentoring slow learners Outcome/Target: 1. Improvement in performance of students in IA & SEE examinations. In-charge Faculty: Prof Indira Umargi Mobile: 9945348887 Email: Indira.umarji@gmail.com	Total 3 bridge courses as listed below: 1. Course on OOP philosophy on 21 st and 22 nd of March 2022 for IV sem students Link-files\Page-7.1.pdf 2. Course on C programming concepts for 3rd Semester students (No of students: 126) Dates: 21-11-2022 to 30-11-2022. 3. Peer to peer learning sessions on Basics of Phyton programming Required for AI & ML course) for 7th sem on 7th,12th & 14th of Sept,2022 Link-files\page-7.2.pdf		
	Tutorials for complex courses	Activity-1: Conduction of tutorials for the following courses. <ul style="list-style-type: none"> • Finite Automata Formal Languages for IV sem • Analysis and design of algorithms for IV sem • ARM processor for IV sem • Database management systems for V sem 	1. Conducted tutorials for FAFL and ARM processor (marked by respective course instrutors in their course files) 2. Done As a part of course structure ADA		

		<p>Outcome/Target: 1. Performance measurement of students by taking class test/quiz.</p> <p>In-charge Faculty: Prof. Ranganath G Y Mobile: 9448049909 Email: rgyadawad@rediffmail.com</p>	
	Strengthening Experiential Learning component	<p>Activity-1: Implementation of Performance ensuring measures (PEM) for all the courses.</p> <p>Outcome/Target: 1. Implementation of experiential learning through PEM based CTA assignments for each course</p> <p>In-charge Faculty: Prof. Anand Vaidya., IQAC coordinator of the Department Mobile: 9036889732 Email: vaidya.anand@rediffmail.com</p>	<p>Courses are delivered based on the PEM model. Sample of PEM is available in annexure.</p> <p>Link-files\Page-8.pdf</p>
	Industry Connectivity for Class room	<p>Activity-1: Conduction of expert talks by inviting industrial experts/Alumni</p> <p>Outcome/Target: 1. At least 1 talk from industrial experts/Alumni per semester.</p> <p>In-charge Faculty: Prof. Ranganath G Y Mobile: 9448049909 Email: rgyadawad@rediffmail.com</p>	<p>1. A session was conducted “ Scaled Agile-An industryPractice for Software Product Development” on 14th Aug 2021 from 11.00am to 1.00pm Resource person(alumns) Mr Mukund M, Senior Management Consultant at Ernst & Young, Bangalore.</p> <p>Link-files\Page-9.pdf</p>

	Others- if any	Activity-1: Special classes for Lateral entry students Outcome/Target: 1. Performance measurement of students by conducting class test/quiz In-charge Faculty: Prof Sharada H N Mobile: 9481037292 Email: shnsdmcet@gmail.com	Classes are conducted as per time table 2/2/2022 Link-files\Page-10.pdf
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Year 2022

Focus [1]	Perspective/ Key Areas [2]	Year 2022		
		PLANNING [3]	Observations / Remarks by Auditors	
			Outcomes achieved [4]	Reasons for any deviation [5]
F3 M3 Research	Quality assessment of all research proposals	<p>Activity-1: Formation of the committee at department level for evaluation of project quality and its relevance.</p> <p>Target/ Outcomes: 1. Three members committee at department level will meet for evaluation of the proposals before submission</p> <p>In-charge Faculty: Dr. U P Kulkarni Mobile: 9448915301 Email: upkulkarni@yahoo.com</p>	Yet to start	
	<p>IPR: Copyrights and Patents</p>	<p>Activity-1: Session by internal faculty members who got the IPR to highlight about their IPR and procedure of applying for IPR.</p> <p>Target/ Outcomes: 1. Conducting atleast one session by faculty through SHARE and CARE event.</p> <p>Activity-2: Conducting workshop on IPR to</p>	Yet to start	

		<p>give awareness about IPR and its importance by calling external people .</p> <p>Target/ Outcomes: 1. Conducting atleast one workshop at department level.</p> <p>In-charge Faculty: Dr. S B Kulkarni Mobile: 9880313022 Email: sbkulkarni_in@yahoo.com</p>	
	<p>Paper Publications</p>	<p>Activity-1: Conducting a workshop on writing research papers and information about different journals.</p> <p>Target/ Outcomes: 1. Conducting at least one workshop at department level.</p> <p>Activity-2: Publication of papers by research scholars and UG/PG students related to their problems/projects.</p> <p>Target/ Outcomes: 1. At least Four publications in peer reviewed, open access journals</p>	<p>Activity-1: Yet to start</p> <p>Activity-2: Total 17 papers are published in peer reviewd journals or indexd</p> <p>Link-files/Page-11.pdf</p>

Funded Projects		<p>In-charge Faculty: Dr. Vidya Kulkarni Mobile: 9448776104 Email: vidya.gouri@gmail.com</p>	
		<p>Activity-1: Conducting a workshop on “How to write research proposals, information about various funding agency”.</p> <p>Target/ Outcomes:</p> <ol style="list-style-type: none"> 1. Conducting at least one workshop at department level. <p>Activity-2: Session by internal faculty members who received the funding from various agencies to highlight about their project and reasons for rejection or selection of the project under SHARE and CARE event.</p> <p>Target/ Outcomes:</p> <ol style="list-style-type: none"> 1. Conducting at least one session by faculty. 2. Submission of at least one research proposal <p>In-charge Faculty: Dr. Archana N Mobile: 9844831981 Email:</p>	<p>Conducted</p> <ol style="list-style-type: none"> 1. Workshop on “Research Methodology” on 21/01/2022 Resource Person: Dr. V S Hegde,Professor, SDMCET, Dharawad-2 Target Audience: Research scholars & Faculty Link-files\page-12.pdf 2. Session conducted on 18/2/2022 by internal faculty members Dr. Archana N & Dr. Aijaz Quazi for the work Design and performance analysis of Robust algorithm for surveillance & object reconnaissance using Enhance Aerial Imagery Link-files\Page-13.pdf 3. Session conducted on 18/3/2022 by internal faculty members Dr. S B Kulkarni & Prof. Nita G K for the work Enhancement of knowledge base lab using AI,ML and deep learning Link-files\Page-14.pdf 4. Received grant under CISEE –VGST,Govt of Karnataka,for the title”Impact of neuro signals on human health and emotions”,GRD No 1011 PI: Dr U P Kulkarni Co-PI: Dr Vidya Kulkarni Link-files\Page-25.pdf

		narchana2006@gmail.com	
	Others- if any	Conduction of National /International conference In-charge Faculty: Prof Sharada H N Mobile: 9481037292 Email: shnsdmcet@gmail.com	IEEE International Conference on Applied Intelligence and Sustainable Computing (ICAIC-2023).conference is conducted during 16 th to17th at college level.

Year 2022					
Focus [1]	Perspective/ Key Areas [2]	PLANNING [3]	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F4 M2 & M5 Value additions	Learning for Placement	Activity-1: Conduction of general and technical aptitude tests for placement preparation Target: 02 per semester Outcomes: 1. Students become technically sound in placements preparation Faculty In-charge: Dr. Vidya Kulkarni(Technical Aptitude)/ Rashmi Patil (general aptitude) Dr. Vidya Kulkarni Mobile: 9448776104 Email: vidya.gouri@gmail.com Rashmi Patil Mobile: 9449534123 Email: rashmi.rathanikar@gmail.com	Conducted general aptitude test for IV & VI sem students on 28-6-2022 in online mode,250 students participated Link-files/Page-15.pdf 1. Conducted C Proficiency Test for 3 rd and 6 th semester students on 03-03-2023 in DBMS Lab in offline mode. 250 students participated. Link-files/Page-26.pdf		
		Activity-2: Conducting refresher course on C, DS and algorithms			

		<p>Target: one per year</p> <p>Outcomes:</p> <ol style="list-style-type: none"> 1. Strengthen C,DS and algorithm concepts required for placement <p>Faculty In-charge: Prof Sandhya S V Mobile: 9886421455 Email: sandhya.sv@gmail.com</p> <p>Note: Implementation by faculty handling Data structure course</p>	<p>Yet to start</p>
		<p>Activity-3: C++ training for 2nd year / 3rd year students</p> <p>Target: 02 per year</p> <p>Outcomes:</p> <ol style="list-style-type: none"> 1. Strengthen the concepts of OOPs through C++ and face the placement activity. <p>Faculty In-charge: Prof Basavaraj V V Mobile: 9480173146 Email: basavaraj.vaddatti@gmail.com</p> <p>Note: Implementation by faculty assigned under CIII</p>	<p>Progrrmming in C++ for 2nd year students from 20-01-2023 to 24-01-2023. 130 students participated.</p> <p>Link-files\Page-27.pdf</p>
		<p>Activity-4: Mock interviews from placed students to 3rd year students</p> <p>Target: 01 per semester</p> <p>Outcomes:</p> <ol style="list-style-type: none"> 1. Preparation towards placement activity. 	<p>Conducted on 15th to 18th Nov, 2022 for 130 students of pre final year participated in the event</p>

		<p>Faculty In-charge: Anand S Pashupatimath Mobile: 8884419591 Email: anand.pashupatimath@gmail.com <u>Note:</u> Implementation by placed students of CSE</p>	
		<p>Activity-5: Industry relevant tools training through CIII for 3rd year students Target:02 per year Outcomes: 1. Exposure to usage of Industry relevant tools. 2. To become Industry ready.</p> <p>Faculty In-charge: Prof Basavaraj V V Mobile: 9480173146 Email: basavaraj.vaddatti@gmail.com</p>	<p>1. Conducted a training on Android Application Development from 15-17 and 22-23, of Jan 2022 for 5th semester(140) Link-files\Page-16.pdf 2. Training on “Block chain technology” for VIIth sem (145) 14-16 Nov 2022 Resource person: Mr Bandenawaz Geeks Lab, Bangalore Link-files\Page-17.pdf</p>
		<p>Activity-6: Talk on placement preparations by alumni to the 3rd year students Target: 02 per semester Outcomes: 1. To obtain knowledge of current trends in the Industry.</p> <p>Faculty In-charge: Prof. Ranganath G Y Mobile: 9448049909</p>	<p>Talk by Mr. Chakravarty from ThoughtWorks ,Bangalore(Alumni) on Trending Technologies in Industry on 20th April,22 for VI sem students Link-files\Page-18.pdf</p>

		<p>Email: rgyadawad@rediffmail.com</p> <p>Activity-7: Hack-a-thon / Coding contest Target/ Outcomes: 02 Outcomes: 1. To write efficient codes within the stipulated time. 2. To compete with the outside world.</p> <p>Faculty In-charge: Prof Indira Umargi</p> <p>Mobile: 9945348887</p> <p>Email: Indira.umarji@gmail.com</p>	<p>1. Open book coding test for 4th semester students for the course OOP was conducted on 20/5/2022</p> <p>Link-files\Page-19.pdf</p> <p>2. Night-out coding contest was conducted as a part of Insignia -22, on 10/6/2022. Total number of students participated : 110</p> <p>Link-files\Page-20.pdf</p>
	<p>Soft Skills</p>	<p>Activity-1: Pick and speak and/or debate</p> <p>Target: 01 per year</p> <p>Outcomes: 1. To know the current affairs and enhance speaking skills. 2. To know the current affairs and to enhance, assertiveness, willingness to take the initiative, listening skills, leadership qualities, communication skills</p> <p>Faculty In-charge: Sharada H N</p> <p>Mobile: 9481037292 Email: shnsdmcet@gmail.com</p> <p>Note: Under the banner of SSA</p>	<p>Yet to start</p>

		<p>Activity-2: Technical Essay writing Target 01 Outcomes: 1. To compete with the outside world 2. Enchance the technical writing skills.</p> <p>Faculty In-charge: Vidya Uttur Moblie: 9845935971 Email: adikevidya@yahoo.co.in Note: Under the banner of SSA</p>	<p>Yet to start</p>
		<p>Activity-3: Soft skills training through CIII Target 01 per year Outcomes: 1. To enchance the verbal, writing skills and communicate effectively.</p> <p>Faculty In-charge: Rani Shetty Moblie: 9738827107 Email: ranishetty24@gmail.com</p>	<p>1. Conducted aptitude/soft skills training for 6th sem (140) from 17-19 June 2022 Link-files\Page-21.pdf 2. Conducted aptitude/soft skills training for 5th sem (140)from 16-17 Dec 2022 Link-files\Page-22.pdf 3. Training on “Aptitude / Softskills” for 3rd Year students from 15-05-2023 to 18-05-2023. Resource person: Innovations Unlimited. Link-files\Page-28.pdf</p>
	<p>Discussion Group</p>	<p>Activity-1: Formation of at least 01 technical club Target: Outcomes: Creation of interest group Faculty In-charge: Dr. Shivanagowda G.M. Mobile: 9740109113</p>	<p>“Brogrammers”Coding club formed at college level,conducted 4 sessions for 3rd sem A & B divisions on 5th, 6th,7th,22nd & 23rd of Dec 2022, 2 sesions for 5th sem A & B divisions on 5th ,6th & 7th Dec,2022</p>

		Email: shivana.gowda@gmail.com	
English Communication Skills	<p>Activity-1: Email writing session for 3rd year students Target: 01 per year Outcomes: 1. Effective professional e-mail writing skills. Faculty In-charge: Prof. Ravidra G Dastikop Mobile: 8453212131 Email: ravindra.dastikop@gmail.com</p>		One session on email etiquette conducted as part of IOPP course for all students of VI th sem
	<p>Activity-2: Project exhibition to showcase their project through relevant presentation Target/: 01 per year Outcomes: 1. Enhance presentation skills Faculty In-charge: Prof. Anand D Vaidya Mobile: 9036889732 Email: vaidya.anand@rediffmail.com</p>		Yet to start
	<p>Activity-3: Presentation related to Internship by students Target: 01 per year Outcomes: 1. Enhance presentation skills Faculty In-charge: Prof. Pratapkumar M K Mobile: 8884611980 Email: pratapkumar.mk@gmail.com</p>		1. 151 students of VII sem of 2023 batch given presentation on the internship that they have gone in various industries reports and completion certificates are available in the dept Link-files\Page-23.pdf
Use of ICT Information	Activity-1: Creation of learning materials for the courses		

	Communication Technology	<p>Target/ Outcomes: Students will be able to</p> <ol style="list-style-type: none"> 1. Access the relevant course materials for the study <p>Faculty In-charge: Prof. Shreedhar Yadawad Mobile: 9481929979 Email: shreeyadawad@gmail.com</p> <p>Note: to collect relevant video links from all the faculty and maintain a repository</p>	Yet to start
	Others- if any	<p>Conduction of Extra-curricular / Co-curricular activities like Rangoli, best out of waste, Kite flying, Googly Cricket tournament, etc.</p> <p>Target: Each event 1 per year</p> <p>Outcomes: Students will be able to</p> <ol style="list-style-type: none"> 1. Develop good interpersonal skills 2. Have overall development <p>Faculty In-charge: Prof Anand Pashupatimath Mobile: 8884419591 Email: anand.pashupatimath@gmail.com</p>	<ol style="list-style-type: none"> 1. Conducted Googly Cricket tournament on Jan 1st 2022 2. Conducted Lantern Making & Rangoli competition on 21-10-2022

Year 2022

Focus	Perspective/ Key Areas	PLANNING	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
			F5 Community Oriented Services M3 & M5	Awareness Program	Activity-1: Awareness program about environment and society under NSS/YFS Outcome/target: One activity In-charge Faculty: Prof: Anand Vaidya Mobile: 9036889732 Email: vaidya.anand@rediffmail.com
Learning Programs through workshops	Activity-1: Strengthening education standards of high school students in the adopted villages under UBA Outcome/target: At least one activity In-charge Faculty: Prof Anand Pashupatimath Mobile: 8884419591	Yet to start			

		Email: anand.pashupatimath@gmail.com	
	Technology Transfer Programs	Activity-1: Enhancing the digital literacy of Government school teachers Outcome/target: One activity In-charge Faculty: Prof. Ranganath Yadawad Mobile: 9448049909 Email: rgyadawad@rediffmail.com	Yet to start
	Others- if any		

Academic year	Number of eligible students	Number of students placed	Number of offers
2021-22	145	128	294
2021-22 till today	150	99	152

Focus	Year 2022				
	Perspective/ Key Areas	PLANNING	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicable [6]
F6 Placement	No. of Offers	-			
	No. of students getting Placed	-			
	pay packages being offered	-			
	MoUs	-			
	Internship	-			
	Others- if any (Department level students training)				

Year 2022

Focus	Year 2022				
	Perspective	Perspective/ Key Areas	Observations / Remarks by Auditors		
			Outcomes achieved [4]	Reasons for any deviation [5]	Further action plan, if applicab le [6]
F7 Accreditation and Ranking	NBA Faculty I/C: NBA Coordinator (Anand Vaidya and Ranganath G Yadwad)	Activity-1: Preparation of compliance report and evidence collection Outcome/target: 1. Compliance Report submission by dec 2022 for continuation of NBA accreditation	Uploaded compliance report on 28-12-2022		
	NAAC Faculty I/C: NAAC Coordinator (Nita K)	Activity-1: 1. Initiate the process of provisional NAAC accreditation. 2. Collection of department level information required for provisional NAAC Outcome/target: 1. Preparing provisional NAAC document as per IQAC/NAAC guidelines	Activity 1.1 completed Activity 1.2 is completed • Uploaded institutional information for quality assessment on 13 th Jan 23 • After approval for IIQA SSR will be uploaded within month		

	<p>NIRF ranking.</p> <p>Faculty I/C: PG Coordinator</p>	<p>Activity-1: Arrage department meeting with institute NIRF coordinator</p> <p>Activity-2: Identify the potential area where we can contribute</p> <p>Activity-3: Initiate activities pertaining to the area identified.</p> <p>Activity-4: Review of the activities.</p> <p>Outcome/target: 1. Improved NIRF ranking</p>	<p>Yet to start activities</p>		
	<p>Others- if any</p>				

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								
	DUGC Member Secretary	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