



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution		Dr.V.Sekar
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04427442844
Mobile no.		9499051265
Registered Email		principaldscet@dsgroupmail.com
Alternate Email		dscet@yahoo.co.in
Address		157,East Coast Road, Poonjeri Village, Mamallapuram,Chengalpattu District
City/Town		Mamallapuram
State/UT		Tamil Nadu
Pincode		603104

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr.B.Revathi @ Ponmozhi
Phone no/Alternate Phone no.	04427443844
Mobile no.	9894505608
Registered Email	dscet.iqac@gmail.com
Alternate Email	dscet@yahoo.co.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	_https://dscet.ac.in/download/AOAR-2018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://dscet.ac.in/download/academiccalendar2019-2020.pdf

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.07	2015	01-May-2015	30-Apr-2020

6. Date of Establishment of IQAC	25-Jan-2014
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Awareness on NIRF	17-Aug-2019	220

	1	
Two days workshop on Outcome based Education	21-Sep-2019 1	1217
Academic audit	14-Feb-2020 1	155
Feedback mechanism for every semester	30-Nov-2019 1	1493

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Nil	Nil	Nil	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View Uploaded File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

NIRF NBA SAR AISHE NAAC SSR

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

Plan of Action	Achievements/Outcomes
To organize interdisciplinary seminars, conferences and workshops	Seminars and workshops are organized for the benefit of students
To formulate assessment marks procedure to improve the internal marks of students	Internal marks of the students have improved
To apply institutional development schemes run by AICTE	ECE department had applied for MODROBs
To conduct awareness programmes on several environmental issues in the Near by fishery villages under NSS.	Conducted many awareness programmes to the villages nearby.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Council	24-Jun-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	26-Feb-2020
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17. Does the Institution have Management Information System ?	No
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Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Our college demonstrates carefully thought-out educational delivery and documentation. A thorough academic calendar is created before each semester's start. The academic calendar is used to create the course delivery plan (CDP). The plan covers the minute specifics of the subject matter to be addressed, the delivery strategy, and the instructional sequence to be followed. In addition, it describes how the course's intended outcomes are mapped to the POs. In addition to CDP, a log book is kept for each course where daily activities are recorded. The other supporting documents in the course files include two sets of internal exam question papers for Continuous Internal Assessment tests 1,

2,model exams, a question bank created from prior university question papers, assignment samples, and a lab manual. Each faculty member must turn in this course file at the conclusion of the semester, and it must be audited by other designated auditors at every level. The web portal includes the ability to enter attendance and grades in accordance with university policy. The course outcome attainment at the micro level analysis is carried out as part of the outcome-based education system, which is also adopted. On advice from the relevant HOD and other academic experts, recommendations to modify the teaching learning approach and test pattern are revoked in cases of low level of attainment. After the course is over, the PO and PEO accomplishment levels are also calculated. A team of academic professionals(PAC)analyses the curriculum with the help of the proper analysis, finding any gaps in the curriculum that may exist. Value-added courses and curricular activities are then designed for each department to fill up the gaps.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Knowledge on Embedded System	NIL	29/06/2019	10	Employability	Software
Add On course on "CATIA"	NIL	05/08/2019	5	Employability	Software
Customer relationship management	NIL	17/08/2019	5	Employability	Software
Artificial Intelligence Neural Networks	NIL	02/09/2019	9	Employability	Software
IoS Application Development	NIL	01/11/2019	6	Employability	Software
ANSYS on design for structural and dynamic analysis	NIL	21/12/2019	5	Employability	Software
ARDUINO on C	NIL	13/02/2020	9	Employability	Software
IOT APPLICATION DEVELOPMENT	NIL	03/08/2019	10	Employability	Software

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Biomedical Engineering	29/04/2019
BE	Agriculture Engineering	29/04/2019
BTech	Food Technology	29/04/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Aeronautical Engineering	01/07/2019
BE	Agriculture Engineering	01/07/2019
BE	Biomedical Engineering	01/07/2019
BE	Civil Engineering	01/07/2019
BE	Computer Science and Engineering	01/07/2019
BE	Electronics and Communication Engineering	01/07/2019
BE	Electrical and Electronics Engineering	01/07/2019
BE	Mechanical Engineering	01/07/2019
BTech	Food Technology	01/07/2019
BTech	Information Technology	01/07/2019
ME	Aeronautical Engineering	01/07/2019
ME	Communication Systems	01/07/2019
ME	Computer Science and Engineering	01/07/2019
ME	Power Electronics and Drives	01/07/2019
MBA	Master of Business Administration	01/07/2019
MCA	Master of Computer Applications	01/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	262	0

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
Mathematics for Competitive Examinations I	12/10/2019	74
English for Career Development	12/10/2019	78
Water Purification and Desalination	12/10/2019	81
Mathematics for	25/01/2020	80

Competitive Examinations II		
Effective Communication Skills Based on Career Guidance	25/01/2020	80
Human values and Professional Ethics	25/01/2020	81
PRIMAVERA and AUTOCAD	13/07/2019	20
AUTOCAD for design ,drafting and 3D Modeling	22/06/2019	17
CATIA for product design and assembly	22/06/2019	57
CONSOLE APPLICATION USING VB .NET	02/09/2019	58
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	AERONAUTICAL ENGINEERING	88
BE	CIVIL ENGINEERING	50
BE	COMPUTER SCIENCE AND ENGINEERING	158
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	83
BE	ELECTRIAL AND ELECTRONICS ENGINEERING	63
BE	MECHANICAL ENGINEERING	273
BTech	INFORMATION TECHNOLOGY	97
MBA	MASTER OF BUSINESS ADMINISTRATION	57
MCA	MASTER OF COMPUTER APPLICATIONS	15
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

? Various stakeholders, including students, alumni, employers, parents, and faculty, provide feedback as scheduled. • A pie chart or a bar graph issued to analyze the input that has been gathered. • The parameters with lesser attainment are recognized, and areas for improvement are examined. • In order to adopt strategies and raise the attainment level, the results are then addressed at the appropriate levels. • At different hierarchical levels, reports of feedback from various stakeholders, its analysis, and reports of the actions performed are discussed for improving the institution as a whole.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Aeronautical Engineering	60	45	29
BE	Agriculture Engineering	60	75	49
BE	Civil Engineering	60	25	16
BE	Computer Science and Engineering	120	165	101
BE	Biomedical Engineering	60	82	49
BE	Electrical and Electronics Engineering	60	65	39
BE	Electronics and Communication Engineering	120	98	76
BE	Mechanical Engineering	120	74	58
BTech	Food Technology	60	56	32
BTech	Information Technology	60	78	42

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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 fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1400	93	210	32	242

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
242	235	9	69	3	9

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Our institution follows the Students mentoring system. One faculty member is assigned as a mentor between six and twenty students. All the information of the students is maintained in mentor record. Overall counselling activities of a semester are also summarized for necessary action. The counsellor is responsible for handling any issues or problems related to both academic and personal. Responsibility of each faculty as a mentor is to encourage and motivate the students in academics as well as personal skills. Mentors help the students to get rid of any difficulties both in education as well as personal life. If necessary, psychological counselling is also offered with a psychiatrist's assistance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1493	242	1:6

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
213	169	73	73	43

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised 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
2019	Nil	Nil	Nil

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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
BE	101	8 / 4	12/04/2019	24/06/2019
BE	103	8 / 4	13/04/2019	24/06/2019
BE	104	8 / 4	29/04/2019	24/06/2019
BE	105	8 / 4	29/04/2019	24/06/2019
BE	106	8 / 4	29/04/2019	24/06/2019

BE	114	8 / 4	16/04/2019	24/06/2019
BTech	205	8 / 4	29/04/2019	24/06/2019
MBA	631	4 / 2	22/05/2019	24/06/2019
MCA	622	6 / 3	16/04/2019	24/06/2019
ME	424	4 / 2	22/05/2019	24/06/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Semester wise three internal tests will be conducted, which includes two continuous internal assessment tests and one model exam. The first and second unit will be the portion for first continuous internal assessment. The second and third unit will be the portion for second continuous internal assessment. All the five units will be the portion for model exam. Along with this, five cycle of slip tests are conducted. The responsibility of conducting the exam is with the exam cell. For each course and for each test component, 2 sets of Question paper is prepared as per the Outcome based Education and sent to the exam cell by the HOD. For any exam, chief superintendent will select one among them. The Exam Cell is headed by the Chief Superintendent of Examinations with supporting staff. Further, Exam cell, coordinates with the Anna University regarding all examination matters. The Coordinator of Examinations supports the Principal with regards to all examination matters. Any circular, guidelines, office order, notifications received by the college is processed in the exam cell. Reply thereof is prepared and dispatched to the University with Principal's signature. The Prime responsibility of Exam Cell is to conduct all exams (Both Internal and External Exams) in fair and systematic manner under the direction of the Chief Superintendent of Examinations.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

A detailed academic calendar is prepared for every academic year well before the start of the semester and is circulated among the students and faculty members. A copy of the academic calendar is circulated and published in the college website. It provides all details regarding starting and ending date of the semester, the internal exams, re-test schedule along with the departmental activities of each semester. Course delivery plan is prepared as per the academic calendar. Number of working days for each month is specified and syllabus coverage is planned accordingly. All the departmental activities planned are conducted as per academic calendar schedule.

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)

<https://dscet.ac.in/2019-2020/C2/2.6.1.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
101	BE	Aeronautical Engineering	14	14	100

103	BE	Civil Engineering	21	21	100
104	BE	COMPUTER SCIENCE AND ENGINEERING	64	64	100
105	BE	ELECTRICAL AND ELECTRONICS ENGINEERING	21	21	100
106	BE	ELECTRONICS AND COMMUNICATION ENGINEERING	30	30	100
114	BE	MECHANICAL ENGINEERING	105	105	100
205	BTech	INFORMATION TECHNOLOGY	33	33	100
631	MBA	MASTER OF BUSINESS ADMINISTRATION	32	32	100
622	MCA	MASTER OF COMPUTER APPLICATIONS	9	9	100
424	ME	AERONAUTICAL ENGINEERING	4	4	100
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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)

<https://dscet.ac.in/2019-2020/C2/2.7.1.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Industry sponsored Projects	1095	SRINIVASAN CHARITABLE TRUST	0.5	Nill
Industry sponsored Projects	365	HEXCON INFOTECH	0.35	Nill
Industry sponsored Projects	365	K.G.LAKSHMIPATHI CO	0.5	Nill
Industry	365	ORBIT	0.2	Nill

sponsored Projects		CONTROLS SERVICES		
Industry sponsored Projects	1095	ORBIT EDUTECH PVT. LTD	7.55	Nill
Industry sponsored Projects	1095	ORBIT CONTROLS SERVICES	8.5	Nill
Industry sponsored Projects	365	ELECTRO SOLAR SOLUTIONS	0.1	Nill
Industry sponsored Projects	1095	NETLAND TECHNOLOGIES PVT LTD.	7.25	Nill
Industry sponsored Projects	1095	ZEBTRONICS MANUFACTURING CO.	6.5	Nill
Industry sponsored Projects	1095	COSMOGEMS PRIVATE LIMITED	10.5	Nill
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3.2 – Innovation Ecosystem

3.2.1 – 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
WORLD ENTREPRENEURS DAY	Master of Business Administration	21/08/2019
ENTERPRENURSHIP SKILLS CLASS	Master of Business Administration	25/11/2019
OPPORTUNITIES AVAILABLE FOR THE MANAGEMENT STUDENTS IN LOGISTICS	Master of Business Administration	18/07/2019
PATENT RIGHTS AND ITS TYPE	Computer Science and Engineering	22/07/2019
OUTCOME BASED EDUCATION	Science and Humanities	15/02/2020
RESEARCH METHODOLOGIES AND DEVELOPMENT ON BLOCK CHAIN TECHNOLOGY	Information Technology	18/11/2019
WORKSHOP ON PROCESSING AND ANALYSIS OF DATAS IN PROGRAMMABLE LOGIC CONTROLLER (PLC)	Mechanical Engineering	15/10/2019
RECENT ADVANCES IN STRUCTURAL DYNAMIC AND EARTHQUAKE ENGINEERING	Civil Engineering	08/08/2019
RESEARCH AND INNOVATION IN ENGINEERING AND TECHNOLOGY	Agriculture Engineering	02/03/2020
UNMANNED AERIAL VEHICLE	Aeronautical Engineering	25/10/2019

(SEMINAR)		
COMPOSITE SOLID PROPULSION SYSTEM (WORKSHOP)	Aeronautical Engineering	06/01/2020
ELECTROMAGNETIC PROPULSION (SEMINAR)	Mechanical Engineering	05/02/2020
ONE DAY WORKSHOP ON AUTOMOTIVE ENGINE OVERHAULING	Mechanical Engineering	19/07/2019
SEMINAR ON ANTILOCK BRAKING SYSTEM	Mechanical Engineering	08/08/2019
SEMINAR ON ROBOTICS	Mechanical Engineering	06/03/2020
SEMINAR ON CONTROL AND AUTOMATION OF HVAC SYSTEMS	Mechanical Engineering	01/10/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Most number of passive components series and parallel complex resistor network	Dr.R.Rajendran	Assist World Records	26/07/2019	Research
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
DSCET	EDC Cell	SCE Trust	Security Solutions	Hardware Application	21/08/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
0	0

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Communication Engineering	6	3

International	Civil Engineering	3	3
International	Aeronautical Engineering	11	1
International	Electrical and Electronics Engineering	7	1
International	Computer Science and Engineering	21	4
International	Mechanical Engineering	12	1
International	Information Technology	9	1
International	Master of Business Administration	5	1
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electronics and Communication Engineering	5
Electrical and Electronics Engineering	2
Computer Science and Engineering	7
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
STUDY ON THE STRENGTH CHARACTERISTICS OF CONCRETE WITH PARTIAL REPLACEMENT OF CEMENT BY ZEOLITE	SELVAKUMAR.S	International journal of management technology and engineering	2019	Nil	Yes	Nil
STRENGTHENING OF CONCRETE BY PARTIAL REPLACEMENT OF FLY ASH BACTERIA (BHARATHI.G	Journal of Applied Science and Computations	2019	Nil	Yes	Nil

BACILLUSSU BTILIS)						
Power, Lift And Drag Coeff icients Analogy Of Wind Turbine Blade From Aerodynami cs Charact eristics Of Naca2412 Naca0012	Karthike yan K V	Turkish Journal of Computer and Mathem atics Education	2019	Nil	Yes	Nil
Ozone re plenishmen t with gas turbine operation	S. Aravind	JOURNAL OF CRITICAL REVIEWS	2019	Nil	Yes	Nil
Wear Behaviour of Im 25 / B4c Aluminium Matrix composites	M. Natesan	JOURNAL OF CRITICAL REVIEWS	2019	Nil	Yes	Nil
An Exper imental In vestigatio n On The Optimized Mechanical Properties Of Glass Fiber Epoxy Composites With Fillers	Durlab Das	JOURNAL OF CRITICAL REVIEWS	2019	Nil	Yes	Nil
Characte rization Of Zirconia Coated Hss Butt Weld Flash Cutting Tool	Dr.Nagar aju	JOURNAL OF CRITICAL REVIEWS	2019	Nil	Yes	Nil
Nanodiam ond Synthesis And Charac terization , As Well	Durlab Das	TURCOMAT	2019	Nil	Yes	Nil

As Its Use As An Anti- Polishing Agent On SiO2 Substrate						
Numerical Investigat ion Of Flow through Conical Diffuser With Swirl generator	Vinoth kumar V.S	TURCOMAT	2019	Nil	Yes	Nil
Finite Element Modeling And Analysis Of A Passenger Car Tyre	Dr.Kishore Brahma	TURCOMAT	2019	Nil	Yes	Nil
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Study of Laminar Flow Control Aerofoil with Thrust Generator	N.Rajagu runathan	Annals of R.S.C.B	2019	Nil	Nil	Yes
HIGHLY EFFICIENT POWER GENERATION USING PELTIER MODULE	DR.Y.PRA KASH,MS.B. THAMIZHKAN I,MS.A.KAV ERI	JOURNAL OF CRITICAL REVIEWS	2019	Nil	Nil	Yes
IOT ENABLED SMART AGRI CULTURE MONITORING AND WATER PUMPING CONTROL SYSTEM	RAJARAM, MS.S.KAMAT CHI,MS.B.T AMIZHKANI	Turkish Journal of Computer and Mathem atics Education	2019	Nil	Nil	Yes

USING BLYNK SERVER						
Secure Authentication Scheme For Bank Locer Access Using Multi-Fingerprinting	Mr.M.Ima yavaramban	International Journal For Innovative Research In Multidisciplinary Field	2019	Nil	Nil	Yes
Online Tool Condition Monitoring And Optimizing of Process Parameters For Surface Integrity And Hole Quality In Deep Hole Drilling Process	R Vijayaraj	Journal of The Balkan Tribological Association	2019	Nil	Nil	Yes
Power, lift and drag coefficients analogy of wind turbine blade from aerodynamics characteristics	K.Ganesan	Measurement Journal of Critical Reviews	2019	Nil	Nil	Yes
A GENERIC INFORMATION LINEAGE FRAMEWORK LINE FOR INFORMATION FLOW ACROSS MULTIPLE ENTITIES	LAKSHMI PRIYA.G	INTERNATIONAL JOURNAL OF MANAGEMENT TECHNOLOGY AND ENGINEERING	2019	Nil	Nil	Yes
IOT BASED SMART FARMING SYSTEM	Kavitha.G	Turkish Journal of Computer and Mathematics Education	2019	Nil	Nil	Yes

AN EXTERNAL COMMAND READING WHITE LINE FOLLOWER ROBOT	N.Guntup alli Manojkumar	Turkish Journal of Computer and Mathem atics Education	2019	Nil	Nil	Yes
MACHINE LEARNING - MINING OF DATASET THROUGH SUPERVISED LEARNING	P. KUMARI DEEPIKA	ANNALS OF THE ROMANIAN SOCIETY FOR CELL BIOLOGY	2019	Nil	Nil	Yes
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Semi nars/Workshops	Nil	Nil	222	124
Presented papers	Nil	15	4	Nil
Resource persons	Nil	5	6	20
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3.4 – Extension Activities

3.4.1 – 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 participated in such activities	Number of students participated in such activities
ANNUAL SPECIAL CAMP	NSS	4	180
INTERNATIONAL YOGA DAY	YRC along with ISHA FOUNDATION	2	98
BLOOD DONATION CAMP	NSS	4	174
QUEENBEES WALKATHON	YRC	4	198
BLACK DAY OF INDIA-NSS	NSS	4	183
TREE PLANTATION	ROTRACT CLUB - GREEN TEA NGO	3	97
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited

Most number of passive components series and parallel complex resistor network	Achievement	Assist World Record	3
Annual Special Camp	Best Service	Brammakumari Foundation	180
World Heritage Day	Best Volunteering	Mamallapuram Town Panchayat	165
QUEENBEES WALKATHON	Best Support	YRC	198
Tree Plantation	Best Performer	ROTRACT	97
INTERNATIONAL YOGA DAY	Best Volunteering	ISHA Foundation	98
KADARKARAI - CLEANLINESS CAMPUS	Best Support	Mamallapuram Town Panchayat	162
INDIAN DANCE FESTIVAL	Best Volunteering	Mamallapuram Town Panchayat	162
END POLIO NOW	Best Service	Chettinadu Hospital	55
EN VOTU EN URIMAI	Best Service	ROTRACT	173
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3.4.3 – 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 participated in such activities	Number of students participated in such activities
Health Awareness	Bramma Kumari Foundation along with NSS	STRESS FREE LIFE	10	183
Gender Issue	Bramma Kumari Foundation along with YRC	RAKSHA BANDHAN	8	179
Swachh Bharat	NSS	SWASAM	4	183
Swachh Bharat	ROTRACT CLUB	ONE TREE ALL IT TAKES	3	150
Awareness	ROTRACT CLUB	END POLIO NOW	3	55
Awareness	Bramma Kumari Foundation	Road Safety Day	6	124
Awareness	NSS	EN VOTU EN URIMAI	12	173
Swachh Bharat	NSS	KADARKARAI - CLEANLINESS CAMPUS	8	162
Swachh Bharat	ROTRACT CLUB	BAN TO SPIT IN PUBLIC AWARENESS RALLY	2	148

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Hardware And Software Simulation for ATC -Prelanding Activities	Mr.M.Natesan	Orbit Edu tech Pvt.Ltd.,	1095
procedural Information system Based on Pressure Sensors	Mr.M.Natesan	Orbit Controls and services	1095

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3.5.2 – 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	Duration To	Participant
Internship	Production Management Training	S.R. ENTERPRISES	16/12/2019	24/12/2019	ABISHEK S R
Internship	Service Management Training	SHREE POWER ENTERPRISES PVT LTD	09/12/2019	17/12/2019	BHARATHI B
Internship	Event Management Training	OMR EVENTS AND ENTERTAINMENT	23/12/2019	31/12/2019	AJAY KUMAR RAY
Internship	Internship on Skill Development	RETECH solutions pvt ltd	20/01/2020	05/02/2020	K.M.ABDUL RAHIM
Internship	Internship on Skill Development	KAA SHIV INFOTECH	20/01/2020	05/02/2020	N.KAVI PRIYA
Internship	Internship on Skill Development	Vee Eee TECHNOLOGIES	20/01/2020	05/02/2020	FARZHANA
Internship	Internship on Skill Development	CADD CENTRE	06/11/2019	27/11/2019	SARAVANAN
Internship	Internship on Skill Development	NEW BHARATH RMC PLANT	08/06/2020	19/06/2020	SURENDHAR K
Internship	Internship on Skill Development	LAVINZ INFRA PROJECTS PRIVATE LIMITED	09/07/2019	19/07/2019	DHANUSH KAMAL S

Internship	Internship on Skill Development	UNIQ TECHNOLOGIES	05/08/2019	17/08/2019	AARTI MANHAS
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
RTTC-BSNL	09/12/2019	Industrial visit to BSNL	4
INTERNATIONAL YOUTH FELLOWSHIP	05/02/2019	SEMINAR CUNDUCTED BY THE ORGANISATION	25
VEE Eee TECHNOLOGIES SOLUTION PRIVATED LIMITED	27/06/2018	seminar conducted by the organization	50
MM MICROTECH PRIVATE LIMITED	24/03/2015	Industrial Visit to the organization	4
SN MICROSYSTEMS	11/02/2015	Internship Programme given to the students	35
COSMO GEMS PRIVATE LMITED	03/06/2015	Internship Programme given to the students	3
CADD	02/02/2019	Training and projects	5
Lavinz Infra Projects Pvt Ltd	19/10/2019	In-Plant Training And Project	5
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
350	330.64

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Newly Added

Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
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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 patially)	Version	Year of automation
NIRMALS	Fully	V6.2	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	40012	4775746	1928	520000	41940	5295746
Reference Books	3670	1376394	100	80000	3770	1456394
e-Books	1203	41000	Nill	Nill	1203	41000
Journals	704	1190260	70	139104	774	1329364
e-Journals	8153	546500	115	13570	8268	560070
Digital Database	5	112250	Nill	Nill	5	112250
CD & Video	3329	329900	20	2500	3349	332400
Library Automation	1	50000	Nill	Nill	1	50000
Weeding (hard & soft)	50	5000	Nill	Nill	50	5000
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4.2.3 – 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
Dr. B.REVATHI @ PONMOZHI	DIGITAL COMMUNICATION	LMS	24/01/2020
DR.BALAMURUGAN S	HIGH VOLTAGE ENGINEERING	LMS	24/01/2020
MR.ARAVIND S	ROCKET AND MISSILES	LMS	24/01/2020
DR.MALATHI P	WEB APPLICATION	LMS	24/01/2020

	DEVELOPMENT		
DR.VIDHYASRI R	CONSTRUCTION TECHNIQUES AND PRACTICES	LMS	24/01/2020
MS.MUTHUSELVI.S	FINITE ELEMENT ANALYSIS	LMS	24/01/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	715	15	70	1	5	1	10	100	0
Added	0	0	0	0	0	0	3	400	0
Total	715	15	70	1	5	1	13	500	0

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

500 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
DSCET Audio Visual Recording Studio	https://dscet.ac.in/2019-2020/C4/videocentre.pdf

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
250	239.71	200	173.59

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, provide link)

The college has established systems and procedures for maintaining and utilizing physical, academic and support facilities. These systems and procedures are made known to all the students by uploading them in website, publishing in calendar, and displaying at significant points of place and highlighting them by the teachers. System and Procedures:

- The laboratory technicians are assigned with the responsibility of safe and smooth maintenance of the equipment and facilities, keeping the laboratory clean and maintaining discipline among the students.
- Annual stock verification is done by the members of faculty of other department.
- Disposal of obsolete/non-functioning equipment and replacement with new equipment is done promptly.
- Students are instructed to utilize equipment under supervision of faculty.
- Well planned waste disposal system is followed strictly in all laboratories.
- Fire safety equipment is installed in

all the laboratories. Library Rules: • On all working days the library will be kept open from 8.30a.m.to 5.00p.m. • Students are allowed inside with proper entry in the register. • Strict silence is maintained inside the library • Students are not allowed to carry bags inside the library. • The borrower will be held responsible for any damaged one by him to the books and other properties belonging to the library. • Reference books must be referred in the library itself. • Any marking, underlining, clipping or annotating of book is absolutely forbidden. • All books must be returned to the library within the stipulated period. • No student is allowed to sub-lend library books • Before leaving the counter the student shall verify whether the books lent to him are in sound condition and if not, he shall replace the book or pay compensation as per norms. Classrooms: • The classrooms are kept clean and neat by the housekeeping department. • No guests/visitors are allowed to see the students in the classrooms. • Mobile phones can be used inside the classroom only for academic propose. • Adequate light and fan facilities are provided in all class rooms. They are maintained by the electrician. • Broken furniture are replaced with new ones. Computers: • Lab technicians take care of maintenance, services, repair of computers and internet connectivity • External devices are allowed to be used only after proper scanning. • Students are instructed to surf only assigned websites maintained silence inside the laboratory • Students are allowed to use the systems after proper entry in the Entry registers shutdown before leaving. Sports • The campus has grounds for cricket, football, Volleyball and tracks. • Physical directors monitor the maintenance of the grounds and the equipments. • Proper coaching are provided by the Physical Directors. • The students are trained and motivated to participate in various sports events. Student Activities: • The college has various clubs through that the students serve the nearby villages by maintaining cleanliness of the surroundings, conducting awareness program, etc. • Various camps are organized through all the schemes and clubs.

<https://dscet.ac.in/download/Policies%20and%20Procedures%2022-23.pdf>

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	Dhanalakshmi Srinivasan Merit Assessment Test (D-MAT) Scholarship	131	3826500
Financial Support from Other Sources			
a) National	PMSS,BC/MBC, FIRST GRADUATE SCHOLARSHIP	1148	47962000
b)International	Nil	Nil	Nil
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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 implemetation	Number of students enrolled	Agencies involved
Refresher and Foundation courses	17/06/2019	531	Internal Faculty

Academic upgrading classes	09/09/2019	100	Internal Faculty
Soft Skill Training	06/08/2019	211	Top Freshers
Aptitude Training	29/07/2019	406	Top Freshers
Interview Specific Training	22/07/2019	293	Top Freshers
Yoga Training	21/06/2019	531	Brahma Kumaris
Counselling and Mentoring	20/06/2019	1493	Internal Faculty
Language Lab	17/06/2019	406	Internal English department Faculty
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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 for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Preparation on civil service examination	175	Nil	Nil	Nil
2019	Topping the IAS examination	262	Nil	Nil	Nil
2019	Successful Women Entrepreneur	Nil	138	Nil	Nil
2019	Interaction with Successful Entrepreneur	Nil	108	Nil	Nil
2019	Increasing self-esteem and motivation	Nil	531	Nil	Nil
2019	Maximizing career opportunities by giving different types of placement opportunities	Nil	230	Nil	Nil
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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	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
20	963	212	04	197	34
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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
2019	1	B.E.	ECE	Sathyabama University	MBA
2019	1	B.E.	Aeronautical Engineering	DSCET	M.E.
2019	1	B.E.	EEE	Verllore Institute of Technology	M.E.
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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	Number of students selected/ qualifying
Nil	0
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Annual Sports Meet - 2020	College Level	244
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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	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	NIL	National	Nil	Nil	Nil	Nil

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

Institution plays a significant role in shaping the future of students. It provides them with a platform to learn and grow, not just academically but also personally. In addition to academic learning, college life offers students opportunities to participate in extracurricular activities that can help them develop leadership skills, execution skills, and critical thinking abilities. This participation helps students understand the practical aspects of leadership, rules, and regulations that govern academic institutions, and develop execution skills that are critical to the success of any project. Every department in college has an active student association that consists of student members. These associations are essential in fostering a sense of community among students in the department. Senior faculty members supervise these associations, ensuring that the meetings and events run smoothly. The student associations play a dominant role in organizing various fine arts, sports, and other co-curricular activities of the department. By participating in such activities, students learn teamwork, communication, and management skills, which are critical in any profession. Furthermore, every class committee consists of course handling faculty, student representatives, and a chairperson who is not teaching the class. The primary function of the class committee is to discuss problems experienced by students in the classroom and laboratories and any general problems they face. Additionally, the committee informs student representatives about the regulations governing assessment weightage. Such committees are essential in ensuring that the students have a voice in the functioning of the college. The Institutional Quality Assurance Cell (IQAC) is another crucial body in the college that has representatives from both faculty and students. The primary role of the IQAC team is to analyse the cause for lower placements through brainstorming and to develop a solution that can be implemented on a common platform. The IQAC student team frequently addresses the fellow students to get their suggestions for the overall benefit of the student community. Lastly, students also actively lead the professional bodies chapters such as IET, IEEE, SAE, CSI, ISIS, and ISTE. These chapters offer students opportunities to learn about the latest developments in their respective fields, network with professionals, and participate in various competitions. By being a part of such professional bodies, students get to enhance their subject knowledge, develop leadership skills, and build a network of professionals that can be beneficial in their future careers. In conclusion, colleges play a significant role in shaping the future of students by providing them with a platform to learn and grow. Active participation in various academic administrative bodies and other activities helps students develop leadership qualities, rules, regulations, and execution skills. The student associations, class committees, IQAC, and professional bodies are some of the bodies that are crucial in enhancing the overall learning experience of students in college. By being a part of such bodies, students get to engage with faculty members and their peers, which leads to a holistic development of their personality.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The DSCET Alumni Association is a registered society under the Tamil Nadu Societies Registration Act, SL.no 32/2008. The association is run by an Alumni committee and aims to promote interactions and solidarity among the alumni, staff, and management. It not only assists alumni but also supports the college in achieving its objectives, vision, and mission. The Alumni Association of

DSCET strives to maintain the relationship between the institute and its alumni by sharing its progress and growth. There are three levels of involvement by alumni: 1. Collaborate: Alumni are encouraged to register as members of the DSCET Alumni Association and keep the association updated on their whereabouts. They are also encouraged to share information on events and programs on campus and how they can be involved. 2. Revel in: Alumni can participate in various events and alumni groups. Those who are employed in different organizations in India and abroad can help final year students in their project work and guide them about the latest technology and employment opportunities. 3. Enlist: Alumni can step up and help organize an event or contribute their time for a specific cause or project. This not only helps the students gain real-world experience but also helps them find employment. Overall, the DSCET Alumni Association plays a vital role in maintaining a strong bond between the institute and its alumni. The association provides a platform for alumni to interact with each other, as well as with the staff and management. The three levels of involvement provide various opportunities for alumni to contribute to the growth and development of the institute and its students.

5.4.2 – No. of enrolled Alumni:

304

5.4.3 – Alumni contribution during the year (in Rupees) :

700000

5.4.4 – Meetings/activities organized by Alumni Association :

Executive Council Meeting DSCET Alumni Reunion 2019

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institute has a well-defined hierarchy and system of division of responsibilities. The principal has overall control and monitoring of academic, administrative, finance, and institutional growth. The Vice Principal is responsible for academic, co-curricular, and extra-curricular activities and ensures that they are uniform across the institute. The Head of Department (HOD) has the autonomy to ensure the success of the programs run in their department at the undergraduate and postgraduate levels. The HRDC (Human Resource Development Centre) is responsible for the success of students in campus placements, while the faculty members are given autonomy to ensure the success of students in their courses. Additionally, there are 15 committees identified for various roles and responsibilities, indicating that the institute is committed to ensuring that all academic responsibilities are fairly divided among all staff members. Communication plays a crucial role in this system, with regular meetings held to ensure that all faculty members are aware of their responsibilities. The heads of departments monitor the function of the various departments, and participative decision-making ensures the total participation of all concerned parties. The management is open to discussions with both teaching and non-teaching staff, which encourages their involvement in the decision-making process. Overall, this system appears to be well-structured and designed to ensure that everyone has the autonomy and responsibility to contribute to the success of the institute.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

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):

Strategy Type	Details
Curriculum Development	<p>The institute is an affiliated college of Anna University and adopts the regulations and curriculum from the University. However, the academic council has identified gaps in the curriculum, which are then filled with the aid of industrial visits, in-plant training (IPT), guest lectures, and value-added courses. The curriculum is structured such that the student undertakes courses in basic science and engineering in the first year, core courses in the second year, and core and elective courses in the third and fourth years. The core courses provide an in-depth understanding and knowledge to analyse and design, which is essential for the success of the program. The curriculum structure contains the details of course code, course title, total number of contact hours, and credits of each course, which provides a clear understanding of the course requirements for the students. Overall, it appears that the institute is committed to providing a quality education to its students by adopting the regulations and curriculum from the University and filling any gaps with industrial visits, IPT, guest lectures, and value-added courses. The experienced faculty members and curriculum structure further enhance the quality of the program.</p>
Teaching and Learning	<p>The institute is committed to providing a structured and organized tutorial system to its students. Students are informed in advance about the topics to be discussed, and faculty members come prepared to teach using modern teaching aids such as smart classrooms and subject videos. Assignments are given to the students, and they are encouraged to refer to class notes, textbooks, and reference books to solve them. The faculty and teaching assistants are available to clear doubts and provide guidance to the students. Tutorial notes are taken for evaluation, indicating that the institute is committed to tracking the progress of its students and providing them with feedback to improve their</p>

learning. Moreover, the institute motivates students to attend online courses such as NPTEL, MOOCs, and other online courses, which can broaden their knowledge and skills beyond the classroom. Guest lecturers from industry and subject experts are arranged, which can provide real-world insights and practical applications of the concepts learned in the classroom. Overall our institute committed to providing a comprehensive learning experience to its students by providing a structured tutorial system, modern teaching aids, guidance and feedback on assignments, and opportunities to learn beyond the classroom through online courses and guest lectures.

Examination and Evaluation

The institute is following the regulations set forth by Anna University for the conduct of courses and examinations, as well as for the improvement of the quality of teaching and evaluation of student performance. Relative grading has been implemented for awarding internal marks, starting from both odd and even semesters in 2019-2020. The centralized exam cell is responsible for conducting internal tests for continuous evaluation. Two sets of question papers are obtained for each subject, and a well-prepared key is used for evaluation. The evaluated components are then submitted to the exam cell, and transparency is maintained in the awarding of internal marks. It is worth noting that the institutes adherence to regulations and emphasis on transparency in evaluation suggests that it places a strong emphasis on academic integrity and fairness in the evaluation process.

Research and Development

Institution places a high emphasis on promoting research and innovation among faculty and students. Some of the ways in which this is accomplished include:

1. Encouraging the submission of funding proposals to government agencies: This provides faculty and students with the opportunity to secure funding for their research projects and promotes innovation in various fields.
2. Motivating faculty to upgrade their research level: This enables them to stay up-to-date with the latest developments in their field, which can lead to better research outcomes.
- 3.

Constituting a research committee: This ensures that there is a dedicated group of individuals responsible for promoting research on campus and monitoring the progress of ongoing research activities. 4. Providing incentives for research publications and projects: This incentivizes faculty and students to engage in research activities and helps to promote a culture of innovation and discovery. 5. Earmarking a significant percentage of the budget for research: This ensures that there is adequate funding available to support research projects on campus. 6. Augmenting infrastructure for research: This ensures that faculty and students have access to the necessary resources and facilities to carry out their research projects. 7. Planning to publish a Journal: This provides a platform for faculty and students to publish their research articles and disseminate their findings to a wider audience, thus promoting the exchange of ideas and fostering collaboration.

Library, ICT and Physical Infrastructure / Instrumentation

The college has a strong emphasis on providing students with access to a wide range of resources and facilities, including: 1. Central library with OPAC Software: This provides students with a user-friendly platform to search for books and other materials in the library, and also ensures that they receive personal assistance from the library staff when required. 2. Library staff guidance: The library staff not only assist students with accessing materials but also guide them in how to best utilize these resources for their academic and research purposes. 3. Digital library with NPTEL lectures and DELNET resources: This ensures that students have access to a wealth of digital resources including e-books and journals which are essential for research and academic purposes. 4. Departmental libraries: These provide students with quick access to materials related to their specific field of study, thereby enhancing their learning experience. 5. LCD projector systems and internet connectivity: This provides a means for faculty to utilize ICT tools like PowerPoint to enhance their lectures and seminars, thereby improving the overall learning

experience for students. 6. WiFi enabled campus: This ensures that students have easy access to the internet, allowing them to conduct research, communicate with peers and faculty, and access a wide range of digital resources. 7. Well-maintained green campus: The horticultural team ensures that the campus is well-maintained, providing a pleasant learning environment for students. 8. Well-established biogas plant: This demonstrates the colleges commitment to sustainability and the environment, and provides a valuable learning opportunity for students interested in this field.

Human Resource Management

College places a strong emphasis on the professional management of its human resources, including both faculty and staff. Some of the ways in which this is accomplished include: 1. Proper recruitment, selection, and induction policy: This ensures that only qualified and competent individuals are hired, and that they receive the necessary support and guidance to succeed in their roles. 2. Student career development: The HRDC team invites core companies for the recruitment of final year students, and equips them with the soft skills and other industry-relevant skills necessary for success. 3. Faculty recruitment based on guidelines: The recruitment of faculty and staff is based on established guidelines provided by Anna University and AICTE, New Delhi. This ensures that the faculty and staff are qualified and capable of delivering quality education to students. 4. Staff welfare schemes: The college provides staff welfare schemes such as EPF, group insurance, and accidental policy, which help to promote the well-being of the faculty and staff. 5. Sponsorship of higher studies: The college sponsors higher studies for faculty members, which helps to improve their skills and knowledge, and benefits the institution in the long run. 6. Incentives for research contribution: The college provides incentives to faculty members for their contribution to research, which promotes innovation and encourages faculty members to engage in research activities. 7. Effective

appraisal system: The college follows an effective appraisal system to assess the performance of its faculty members, which helps to identify areas for improvement and support the professional development of the faculty.

Industry Interaction / Collaboration

The institute has a strong focus on collaboration and practical training, with a number of initiatives in place to facilitate these efforts. Some of these include: 1. MoUs with other institutions/organizations: These agreements help to foster research collaborations in areas of common interest, and provide opportunities for faculty members and students to engage in joint research projects. 2. Training for faculty and students: In alignment with the MoUs, faculty members and students undergo training to build their skills and knowledge in relevant areas. 3. Industrial visits: Faculty members and students undertake industrial visits every academic year, which help to provide them with exposure to real-world applications of their studies. 4. Industry projects and in-plant training: Students are motivated to undertake their end-semester projects in industries, and in-plant training during vacations is mandatory. These initiatives help to provide students with hands-on experience in their field of study, and help to bridge the gap between academia and industry. 5. Entrepreneur Development Cell (EDC): The EDC conducts training and workshops for students, which helps to foster an entrepreneurial mindset and equip them with the skills needed to start their own businesses. This can also help to promote innovation and economic development in the region. Overall, these initiatives help to promote collaboration, practical training, and the development of industry-relevant skills among faculty members and students. This can help to improve the quality of education and research at the institute, and prepare students for successful careers in their chosen fields.

Admission of Students

The college has several initiatives in place to facilitate the admission process and promote education among

school and polytechnic students. Some of these initiatives include: 1. Single window counseling system: This system helps to streamline the admission process for UG students and ensures transparency and fairness in the selection process. 2. Consortium for management quota: This allows the college to admit students under management quota and generate revenue, while still adhering to the guidelines and regulations set forth by the consortium. 3. TANCET for PG students: This is a standardized test that helps to assess the knowledge and skills of PG students and ensure that they meet the required criteria for admission to the college. 4. DMAT exam: This is an initiative to promote education among school students in the subjects of Maths, Physics, and Chemistry. By offering a fee concession based on their scores, the college is incentivizing students to take the exam and demonstrating its commitment to promoting education. 5. Polytechnic college visits: This initiative involves the heads of various departments visiting nearby polytechnic colleges to present information about the college and promote lateral entry admission. This can help to attract high-quality students and increase the diversity of the student body. Overall, these initiatives help to facilitate the admission process, promote education among school and polytechnic students, and ensure that the college attracts a diverse and talented student body. This can help to enhance the reputation and quality of education at the college.

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

E-governance area	Details
<p>Planning and Development</p>	<ul style="list-style-type: none"> • The College has been continuously augmenting infrastructure for facilitating research in the campus. It is planned to publish a Journal in the name of the college for encouraging quality research articles. • Organization of faculty development programmes (FDP) conducted in the Institute is carried out through Email and Google shared documents. • Uploading of information pertaining to the Institute in the institute website

Administration

The college has implemented a variety of administrative tools and software to help manage various aspects of campus life. These tools can be incredibly helpful in streamlining processes, reducing paperwork, and increasing efficiency. The use of E-college software for fees management and administration-related activities can help automate the process of collecting and managing fees, as well as keeping track of important student information such as contact details and academic progress. This can help reduce errors and delays in the administrative process, while also providing students with a more streamlined and user-friendly experience. Similarly, the use of library management software can help students easily access and borrow books, while also providing librarians with a way to keep track of inventory and manage lending policies. This can help reduce the time and effort required to manage the library, while also improving the overall experience for students. Other administrative tools, such as subject and course mapping, student attendance tracking, and faculty information submission can all help simplify and streamline various aspects of campus life. By automating these processes and making them available online, colleges can reduce the amount of paperwork and manual effort required to manage these tasks, while also providing students, faculty, and staff with more convenient and accessible ways to access important information. Overall, the use of administrative tools and software can help colleges operate more efficiently and effectively, while also providing students with a better overall experience.

Finance and Accounts

The college has implemented a comprehensive payment system that allows students to pay their fees through online banking and wire transfers. This can be a convenient option for students who prefer to make payments electronically, and it can also help reduce the workload for administrative staff who may otherwise need to process payments manually. The use of E-college software to manage fees and other administrative activities can also be very helpful. By

automating these processes, the software can help ensure accuracy and efficiency, while also providing students with a more streamlined and user-friendly experience. The ability to generate invoices and receipts through the software is also very useful, as it can help ensure that students receive accurate and timely documentation of their fees and payments. This can be important for students who need to provide proof of payment for various purposes, such as applying for financial aid or obtaining transcripts. In addition to managing fees, the software can also help monitor other aspects of student admission and support, such as tracking enrolment, managing scholarships and financial aid, and providing support services to students who may need extra help. Overall, the use of specialized software and payment systems can help colleges operate more efficiently and provide students with a better overall experience. By automating administrative processes and providing convenient payment options, colleges can help reduce the workload for staff and improve the overall efficiency of their operations.

Student Admission and Support

The college has implemented a few tools and software to help manage various aspects of academic life. The use of PREZENTA software to maintain student details, attendance, and assessment marks can be very helpful for faculty and staff, as it can help streamline the process of recording and tracking important academic information. The ability to send absent details to parents and the Head of Institution can also be very useful, as it can help ensure that everyone is aware of student attendance patterns and can take appropriate action if necessary. This can help improve student performance and reduce the likelihood of academic difficulties or disciplinary issues. Similarly, the use of a library management software can help students easily access and borrow books, while also providing librarians with a way to keep track of inventory and manage lending policies. This can help reduce the time and effort required to manage the library, while also improving the overall experience

for students. Overall, the use of these tools and software can help colleges operate more efficiently and effectively, while also providing students with a better overall experience. By automating administrative and academic processes and making information more easily accessible, colleges can help improve the academic success and well-being of their students.

Examination

The college has implemented several measures to ensure that exams and evaluations are conducted in a fair and transparent manner. The use of two sets of question papers and well-prepared keys for evaluation can help ensure that exams are objective and consistent across different sections and batches of students. The use of a centralized exam cell can also help ensure that evaluations are conducted in a consistent and standardized manner, while also providing a central point of contact for students and faculty who have questions or concerns about exams and evaluations. The generation of a transparent system for awarding internal marks can also be very useful, as it can help ensure that evaluations are conducted fairly and that students are graded based on their actual performance rather than any other factors. The record of external marks and the generation of grade sheets and consolidated mark sheets can help ensure that students receive accurate and timely information about their performance, while also providing a clear and transparent record of their academic progress by using PREZENTA software.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Nill	Nill	Nill	Nill
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the	Title of the	From date	To Date	Number of	Number of
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	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2019	Machine Learning	Nil	21/10/2019	26/10/2019	65	Nil
2020	FDP on Matlab Application In Electrical Engineering	Nil	05/05/2020	12/05/2020	35	Nil
2019	FDP On Finite Element Analysis	Nil	16/12/2019	22/12/2019	30	Nil
2019	Managing Business Strategy In Current Scenario	Nil	16/08/2019	17/08/2019	26	Nil
2019	FDP on Advanced Methods in Data Science and Big Data Analytics	Nil	08/07/2019	12/07/2019	27	Nil
2020	Nil	FDP on Communication Skills	17/02/2020	22/02/2020	Nil	30
2019	Mobile Application And Development	Nil	11/11/2019	16/11/2019	41	Nil
2019	FDP on Geotechnical Aspects On Pile Foundation	Nil	03/09/2019	08/09/2019	48	Nil
2019	FDP on Internet of Things	Nil	21/10/2019	26/10/2019	110	Nil
2020	FDP on Research And Innovation In Engineering And Technology	Nil	02/03/2020	06/03/2020	103	Nil

[View File](#)

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	From Date	To date	Duration
ADVANCED TECHNOLOGIES IN INFRASTRUCTURE DEVELOPMENT	12	13/05/2020	19/05/2020	7
APPLICATION OF CONSTRUCTION TECHNIQUES AND PRACTICES	8	25/06/2020	30/06/2020	5
ELECTRIC VEHICLE POWER ELECTRONIC CONVERTERS FOR SMART WORLD	9	18/05/2020	22/05/2020	5
INDUSTRIAL IOT:AUTOMATION,PLC,VFD WEB SERVER	10	05/05/2020	10/05/2020	6

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
75	75	5	5

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Medical Reimbursement in case of major accidents. Educational loan for higher studies. Free admission for children of employee and concession of fees for them. The management grants Maternity, Medical and Marriage leave. On Duty facility is extended wherever applicable. Provide seed money for doing research. Free Medical Aid is given. Full fledged canteen are available in the campus to provide food and snacks at reasonable price to the staff and</p>	<p>Medical Reimbursement in case of major accidents. Educational loan for higher studies. Free admission for children of employee and concession of fees for them. The management grants Maternity, Medical and Marriage leave. On Duty facility is extended wherever applicable. Free Medical Aid is given.</p>	<p>Fee waiver scheme has been provided to economically weaker students, sports persons, best cultural performers and achievers in research. The Management offerings no fees for the students who are all cleared DMAT exam conducted by our management A health centre is available on the campus. Doctors available on the campus in the working hours.</p>

students. Additionally the management providing remuneration for attending FDP, Workshops, Conference and Publication.

6.4 – Financial Management and Resource Mobilization

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

The college has implemented a number of measures to ensure that its finances are managed efficiently and effectively. The use of a well-formulated financial policy can help ensure that available funds are used in a manner that aligns with the academic, administrative, and development needs of the institution. The use of a central budgeting process can also be very helpful, as it can ensure that budgets are developed in a systematic and strategic manner, considering the needs of each department and the overall objectives of the institution. The review and approval process for the budget can help ensure that the budget is realistic and that the necessary funds are available for all necessary expenses. The provision for advance/additional funds can also be very useful, as it can help ensure that unexpected expenses can be covered without causing undue strain on the institutions finances. Budget are approved by governing council and provide feedback on financial resources can also be very helpful, as it can provide a level of oversight and accountability to ensure that funds are used in the most effective and efficient manner possible. The use of financial audits by a certified auditor can also be very useful, as it can help ensure that the institution is complying with established financial processes and that funds are being used in a manner that aligns with the institutions financial policies and objectives.

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/ Grnats received in Rs.	Purpose
Orbit control, Zentronics Manufacturing Co., etc	4132000	Sponsored projects
View File		

6.4.3 – Total corpus fund generated

0

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	PS QUALITY CERTIFICATIONS PVT LTD	Yes	IQAC
Administrative	Yes	PS QUALITY CERTIFICATIONS PVT LTD	Yes	IQAC

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

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1. Each department organizes parent-teacher meetings periodically to provide an opportunity for parents to discuss the academic performance of their children with the concerned faculty. Such meetings are an essential part of the educational process as they facilitate communication and collaboration between parents and teachers. The counsellor's interaction with the parents on the day of the meeting is also a valuable addition as it allows parents to discuss any concerns they may have regarding their children's emotional or behavioural well-being. It is important to address these issues as they can have a significant impact on a student's academic performance. Overall, parent-teacher meetings are an excellent platform for parents and teachers to work together towards ensuring the best possible outcomes for their children. Open communication and collaboration are essential for creating a supportive learning environment that fosters growth and development.

2. Parents are involved in the IQAC (Internal Quality Assurance Cell) of the institution. This shows that the institution values the feedback and input of all stakeholders and is committed to continuous improvement.

3. The participation of parents in providing feedback on the curriculum and infrastructure facilities is also highly valuable. Parents are an integral part of the education process, and their input can provide valuable insights into the effectiveness of the institution's programs and facilities.

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

1. Basics of Computers Safe and secure use of Android devices Awareness talks on health and hygiene along with the Medical camps for regular body checkup. 2. NSS organized Awareness on Fire safety Programme with the help of Fire safety department. 3. Practical demonstration is done for the technical staff members

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

1. National symposium was organized by all departments. 2. Self Help Group is planned to assist the students toward Motivating and also Presentation/Writing and Valuation procedures. 3. Innovation Hub initiated to motivate the young minds to achieve entrepreneur quality by the way of involving them in innovative projects.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Awareness on NIRF	17/08/2019	17/08/2019	17/08/2019	220
2019	Two days workshop on Outcome based Education	21/09/2019	21/09/2019	22/09/2019	1217
2020	Academic audit	14/02/2020	14/02/2020	14/02/2020	155

2019	Feedback mechanism for every semester	30/11/2019	30/11/2019	30/11/2019	1493
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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	Period To	Number of Participants	
			Female	Male
Essay Writing Competition for students on "Women Empowerment"	26/08/2019	26/08/2019	113	108
Women's Equality Day	26/08/2019	26/08/2019	122	110
Seminar on "Gender laws in India"	11/09/2019	11/09/2019	89	92
Seminar on work life balance	03/10/2019	03/10/2019	126	111
Seminar on Challenges of Women In Work Place	08/10/2019	08/10/2019	122	131
Workshop on Gender Awareness And Sensitivities	13/01/2020	13/01/2020	112	109
Awareness on Health and Hygiene for Women	20/01/2020	20/01/2020	98	103
Women's day celebration (Penmai)	09/03/2020	09/03/2020	141	132
Queen Bees Marathon	08/03/2020	08/03/2020	128	80

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

Environmental Consciousness and sustainability is a core agenda of the College. Its heritage campus serves as a laboratory for both observation and practices. The College, with its dense green cover is in the forefront of maintaining a green and sustainable campus. It is committed to the optimization of its available material and human resources and inculcation of a life-style that

promotes conservation of energy and other natural resources. The College conducts Green Audit of its campus and its facilities. The College optimizes its water usage and practices water management through waste water recycling and rain-water harvesting. There are water harvesting pits on the campus. The College has taken a major step towards alternative energy by harnessing solar energy, a major renewable energy resource. The College uses LED lights on its path. There are solar panels in the college campus and these are used for alternative energy sources.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	5
Ramp/Rails	Yes	7
Braille Software/facilities	Yes	0
Rest Rooms	Yes	7
Scribes for examination	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	31/08/2019	1	One Tree All It Takes	To save the endangered environment and to beautify our life.	144
2019	1	1	27/09/2019	1	World tourism day	To prompt the heritage of Mamallapuram	120
2019	1	1	30/09/2019	1	End Polio Now Program	To raise awareness of the importance of polio vaccination to protect every child	152
2019	1	1	02/10/2019	1		To	164

			019		Pollution Free Environment (On the occasion of Gandhi Jayanthi)	conserve natural resources and the existing natural environment	
2019	1	1	13/06/2019	1	Traffic Awareness Program	To create awareness about traffic rules	135
2019	1	1	09/07/2019	1	Blood Donation Camp	To arrange as many donors as possible for the ones in need.	123
2019	1	1	06/12/2019	2	Flood Relief Campaign at Manali	To support and contribute to the flood effected places	95
2019	1	1	26/12/2019	1	Cancer awareness program	To create awareness about cancer to the rural background people	208
2020	1	1	19/02/2020	1	Medical Camp	To provide free medical advice, medicine to the unfortunate people	20
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Policy and Procedures	17/06/2019	<ul style="list-style-type: none"> The students were encouraged and sponsored to pursue online courses. The admission team and the faculty made sure of

all the clarifications that were raised by the students and the parents including the Identity card, the disciplinary action based on nature of misconduct, warning, restrictions on certain action, violations and anti-ragging enforcement. The students were also involved in community service that fosters integrity towards the intellectual and ethical environment of the institution. • The faculty members were encouraged to follow human values and ethics in the polluted environmental scenario and to teach the students to follow ethical standards in the human life .. They are also motivated to focus on their respective roles and responsibilities, the teacher shall devote his / her time and energy to develop and improve their academic and professional competence. The teachers shall prepare lectures and Power point presentations, Case studies, notes in pdf and engage classes online and clarify doubts on and off the classes. Every student has to be monitored regularly and must observe and adhere to the provisions of the University. Apart from these regular activities, the extra-curricular, co curricular activities shall be given due importance.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Environment Day	05/06/2019	05/06/2019	272
Stress free life	19/06/2019	19/06/2019	152

International Yoga Day	21/06/2019	21/06/2019	421
Rakshabandhan	03/08/2019	03/08/2019	362
Swachh Bharat Abhiyan Campaign	02/10/2019	02/10/2019	186
National Unity Day	31/10/2019	31/10/2019	191
Mother Teresa Memorial Lecture On Human Values In Life"	04/11/2019	04/11/2019	174
Spirituality for overcoming challenges	06/11/2019	06/11/2019	163
Ban to spit in public awareness rally	11/01/2020	11/01/2020	186
National Science Day	28/02/2020	28/02/2020	165
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Green Campus
- Energy Conservation, Use of Renewable Energy Resources and harnessing Solar Energy
- Solid Waste Management
- Rain-Water Harvesting
- Bio Gas Plant

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice: 1 Title of the Practice: Community Engagement Objective: • Establish and maintain sustainable co-operative partnerships with community by adopting villages. • Improve quality of life and empowerment of the community concerned. • Develop a sense of civic and social responsibility. • Enhance awareness about current social issues. • Utilize their knowledge in finding practical solutions to community problems. • Develop competence required for group-living and sharing of responsibilities. • Help gain skills in mobilizing community participation. • Strive to bring consistent changes in the lives of the underprivileged. • Create awareness on environmental issues. Context: It is the duty of engineering students to provide solutions, address issues, and make a positive difference in peoples lives. Sadly, traditional engineering education does not does not prepare students to engage with the people community in which they may work. Due to this, there is a gap between engineers technical expertise and their capacity for effective community engagement in problem-solving. The NSS sections of our campus initiated a lot of activities to narrow this involvement gap. The main objective is to instill a sense of social service in the engineering students. By looking beyond technology and enabling the local community to provide their services, these programs assist them in understanding the difficulties that were faced by the society. The sense of empathy is also developed in the students so that they can continue this dedicated service throughout their career. Practice: Extension activities and outreach programs at our college are streamlined through National Service Scheme (NSS), Youth Red cross (YRC) and ROTARACT. Each of these units are well structured and headed by a convener with faculty and students as committee members. The committee meets regularly to plan its annual activities in line

with its vision and mission. Apart from the planned activities the committee responds promptly to any emerging social and environmental issues. NSS has been functioning as a regular feature in the realm of our university education. The overall objective of the scheme is educational and service to the community. It

is a student-centered program in which projects are implemented by the NSS volunteers in close collaboration with the clientele community and scope for the students' interaction with the people. It provides various opportunities to college students to develop their personality through community services.

Community services rendered by Institution level students have covered several aspects like adoption of villages for intensive development work, mass tree plantation, rallies, cleaning camp, blood donation camp, NSS day celebration.

Our NSS Unit consists of 100 volunteers from second year and 100 volunteers from third year. Every year we are conducting various awareness and personality development programs for all the students. Our college is giving extraordinary support to the NSS activities for the past years. We adopted five villages namely Perumalcherri, Karanai, Vadakadumbadi, Manamai and Vengambakkam.

Continuously we are conducting NSS special camp in these adopted villages. Every year, we are organizing medical camp for the village people. We proudly say that our college is selected under 8th list of Participating Institutes under Unnat Bharat Abhiyan, a flagship program of the Ministry of Human Resource Development (MHRD) Government of India through a challenge mode application. We will be then associated with a selected cluster of 5 villages under Unnat Bharat Abhiyan (UBA) for the upliftment of the social community. We adopted five villages namely Perumalcherri, Karanai, Vadakadumbadi, Manamai and Vengambakkam. Continuously we are conducting NSS special camp in these adopted villages. Every year, we are organizing medical camp for the village people.

Evidence of Success: The evidence of success is seen in a perceptible internalization of values and character building as a result of their continuous participation in civic engagement activities. Students as a part of NSS has adopted five villages and conducted several activities for the needy people. • Traffic awareness program conducted on 13.06.2019 • Conducting blood donation camp to villagers and students on 09.07.2019 • Tree plantation activity One tree all it takes conducted on 31.08.2019 • World tourism day celebrated on 27.09.2019 • End polio now awareness program conducted from 24.09.2019 to 30.09.2019 • Pollution free environment activity on 02.10.2019 • Flood relief campaign 06.12.2019 and 07.12.2019 • Cancer awareness program conducted on 26.12.2019 • Awareness on health and hygiene for women by our DSCET Girls- 20.01.2020 • Medical camp activity conducted on 19-02-2020 Student interface with the poor and needy people and had a life transforming experience as recorded by most students who are visibly moved to tears at the end of the day. The lasting impact of this experience is seen, as most of them make it a practice to go back to them for celebrating their birthdays etc. Problems

Encountered: • There are often limitations faced in generating the required resources to operate the various outreach programs. • Persuading the parents for the implementation of outreach programs outside the college schedule was difficult. • Continuous engagement with the marginalized is essential for a long time and sustainable impact of social service but due to tight academic schedules it is difficult. • It is challenging to continue the service during the pandemic situation. • It is difficult to motivate the academically inclined students faculty for non-academic assignments. • Coordination and timely permission with concerned authorities is difficult. **Best Practice:** 2 Title of the Practice: Mentoring Program Mentoring program provides personalized support to students and aids in professional socialization. It serves as the platform to be students-centric and ensure the development of holistic individuals. Mentoring program facilities establishing the vibrant relationship with the student and teacher, installs the confidence in the student to seek advice, have informal discussions, discuss the problems and have a meaningful deliberation to attain the goal. **Objective:** • To achieve the vision of the

institution viz., to develop all round personality of the students on progressive lines. • To provide a continuous learning process for both the mentor and the mentee. • To establish the mentor as a role model and to support the mentee for personal and academic development. • To establish a vibrant relationship between the teachers and the students that will ensure responsible behavior and discipline. The context: The nature of students 'background i.e. catering to different socio-cultural and economic diversity necessitates mentoring being opted as one of the best practices by the institution. The absence of institutionalized system of having a mechanism of mentoring, guidance and counseling in the region along with the obvious fact that some of the students are from remote areas and first-generation learners makes it imperative on the part of the institution to provide mentoring i.e. guidance for all round development of the students on academic as well as aesthetic lines. Moreover, it is aimed to align with the institutional mission and vision statement aiming to develop students on progressive lines. Finally, it was decided to start a scheme with our own student i.e. mentoring program which imports more in direction with students to overcome their shyness, language, etiquettes, and confidence in study or in their personal life too. The practice: • Mentoring session is conducted weakly on a regular basis. This session is compulsory for every student to attend. • In the mentorship scheme, a group of students from all the courses/semesters are allocated to each faculty [mentor]. • The mentoring parameters are based on four aspects i.e. academic, attendance, career and general. • The mentors are provided with details of mentee's performance in academic [weekly test, class test, mid-term and end-semester exam] and attendance records. The mentor also keeps track of the mentee's personal development such as co-curricular activities, discipline and career related issues. • The mode of communication between the mentor and mentee can be established through different modes namely-In-person, phone and E-mail. • The practice of the mentoring system is evaluated by the principal and dean bi-monthly so as to ensure quality and efficiency in practice • The grievances of the mentees are taken up by the mentor and if necessary, it is forwarded to the relevant authorities for necessary remedial actions. Evidence of success: • There is an increment in the number of students participating in various events held within outside the college, since the implementation of mentorship system. • Increase in student attendance and improvement in student's academic performance. • Improvement in sense of belongingness about the institution. • Increased student satisfaction • Improvement in mentees discipline, interaction and communication skills. • Establishment of a vibrant relationship between teachers and students which has provided a congenial atmosphere in the class room as well as campus. Hence, this practice of the institute is a step to imbibe in the students a rational positive outlook towards life thereby making them responsible citizens. Problems Encountered and Resources Required: • Problems are encountered in regards to the diversity in students' background and up bringing i.e. lack in the art of effective articulation, introversion and in different attitude etc. • Students are shy to interact with low level of confidence and dialect too.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://dscet.ac.in/bestpractices.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

As visible from vision and mission statements, one of the thrust areas of DSCET is to become a premier engineering college offering education and training blended with ethical values and morals. We believe that the success of the

society is more than individual success and we try to align individual success with the societal needs. Throughout the year several activities are conducted to foster the spirit of love, compassion, universal brotherhood and patriotism through the ideal of tolerance of diversities within the society and thus accomplish the institution's motto, "Learning for Excellence". We develop the students into people with strong character and values who know how to utilize their knowledge for the advantage of mankind. Our institution gives special importance for morals and values, which consists the study of the lives and teachings of Sri Ramakrishna Paramahansa and Swami Vivekananda. Discourses by revered Swamijis like Brahma Kumari's to promote the Habit of Positive Way of Thinking by inculcating beliefs and moral values in the sub-conscious minds of the faculty and the students. Spiritual discourses are arranged on the occasions of inauguration day. Civic Responsibilities are taught to embed the moral and ethical values in the hearts of girl children, who are the mothers of the younger generation of future. Our college as a higher education institution is committed in imparting quality education to empower the youth/students and strive to foster integral development of the students by enabling them to be intellectually alert, emotionally balanced, morally sound, socially committed, culturally enriched and spiritually oriented.

VARIOUS ACTIVITIES CONDUCTED FOR THE POLISTIC DEVELOPMENT OF STUDENTS BY OUR INSTITUTION

1. Regular classes throughout the year for all the students by Brahma Kumari's for yoga, moral and ethical values, spirit of love and compassion, universal brotherhood, and goal setting.
2. Activity through Rotaract Club:
 - Distribution of provisions to flood affected places.
 - Books and stationeries to rural school students.
 - Evening classes for the school students.
3. Activities through NSS
 - Blood donation camp.
 - Cleaning of village surroundings.
 - Tree plantation.
 - Nutrition awareness program.
 - Drama and mime for creating awareness about education and employment.
 - Sports /Games for school children.
 - Medical check-up camp at rural areas.
4. Activity through Mamallapuram Tourism Office
 - Beach cleaning.
 - Awareness about use of plastics products.
 - Celebration of world tourism day.
5. Activity through Mamallapuram Town Panchayat
 - Voting awareness.
 - Awareness about cleanliness at heritage sites/monuments/sculpture
 - Traffic regulation
 - Participation in accident prevention programs of local police.

Provide the weblink of the institution

<https://dscet.ac.in/institutiondistinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

1. To organize various student and faculty development programme.
2. To arrange more industrial visit for the students.
3. To have more industry academic interface so that there is more corporate participation in academics.
4. To implant lecture captivating system in the institution.
5. Conducting programmes to encourage and support students to start their own business ventures.
6. Conducting activities to hone the creative skills of students and provide a platform to display their creativity
7. Initiatives for an eco friendly learning space
8. Conducting student focused academic and skills development activities
9. To made placement more efficient.
10. To conduct more programmes to implement Green Campus.
11. To organize medical camp in the adopted villages.
12. To plant more number of trees inside the campus.