



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	DAYANANDA SAGAR COLLEGE OF ENGINEERING (AUTONOMOUS)
Name of the head of the Institution	Dr.C P S Prakash
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08042161753
Mobile no.	9448667198
Registered Email	ppl-dsce@dayanandasagar.edu
Alternate Email	iqac@dayanandasagar.edu
Address	Shavige mallechwara hills, Kumaraswamy Layout
City/Town	Bengaluru
State/UT	Karnataka
Pincode	560078

2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	21-Feb-2015																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. R Ravishankar																		
Phone no/Alternate Phone no.	08042161740																		
Mobile no.	9448327476																		
Registered Email	iqac@dayanandasagar.edu																		
Alternate Email	hod-chml@dayanandasagar.edu																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://www.dsce.edu.in/iqac-report																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.dsce.edu.in/images/Pdf/coe_even_2018.pdf																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.42</td> <td>2016</td> <td>11-Jul-2016</td> <td>10-Jul-2021</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.42	2016	11-Jul-2016	10-Jul-2021
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.42	2016	11-Jul-2016	10-Jul-2021														
6. Date of Establishment of IQAC	21-Dec-2016																		
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																
NBA	26-Oct-2018		90																

	03	
NBA	15-Mar-2019 03	100
ISO Certification	02-Jul-2018 01	450
NIRF	14-Dec-2018 01	6000
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

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 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)

Industry conclave to review the syllabus in line with Outcome Based Education.

IQAC is constantly evaluating teaching learning process through feedbacks

Value Addition Programmes / career oriented technical training programmes for students to improve their technical acquaintance.

Encouraging Students for Industrial Visits to understand and to gain the knowledge of new concepts. Supplementary encouragement is given to Students to participate in different events like Sports / NSS / CSR activities.

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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
ALL 20 DEPARTMENTS INVITED ONE EXPERT FROM INDUSTRY TO VET THE SYLLABUS AND SUGGEST THE NEW TOPICS TO BE INCORPORATED	Syllabus updated based on the suggestions by the industry experts in each department.
EVERY SEMESTER FEEDBACKS ARE TAKEN FROM STUDENTS ON THE COURSES AND HANDLING FACULTY	Students have given their views on faculty delivering TLP as well as on the course.
ALL THE DEPARTMENTS TO CONDUCT SEMINARS/WORKSHOPS/GUEST LECTURES FOR IMPARTING ADDITIONAL KNOWLEDGE TO THE STUDENTS	All department conducts minimum of three guest lectures , one workshop and 1 seminar during the academic year.
ATLEAST ONE INDUSTRY VISIT TO BE UNDERTAKEN BY THE DEPARTMENT FOR GIVING REAL INDUSTRY PERSPECTIVE TO THE STUDENTS	Most of the departments taken students to the industries to gain practical knowledge.
SPORTS, NSS ACTIVITIES ARE CONDUCTED TO PROVIDE SOCIAL AWARENESS AND INCLUSIVENESS	Good participation in sports and NSS activities. Students have won various prizes at university and state level. NSS programs like Swacch Bharat and Blood donation etc. programs were conducted.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
NBA	26-Oct-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

15-Mar-2019

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2019

Date of Submission

12-Feb-2019

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Yes, Institution has its own management information system in the name of E-Governance. This E-governance has its own server maintained by IT team of DSCE and there will be one or two coordinators from each department to get in contact with IT team. Department coordinators create the student list for each course. Each faculty will have a username and password to login and it is used to fill the lesson plan, to mark the attendance of each class, to enter the CIA marks and proctor meetings. Also E-governance sends the SMS to students and parents about the attendance and IA marks on a regular basis.</p>

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	AE	Aeronautical Engineering	06/07/2018
BE	AU	Automobile Engineering	26/02/2018
BE	BT	Biotechnology Engineering	23/02/2018
BE	CE	Chemical Engineering	10/01/2018
BE	CSE	Computer Science and Engineering	11/06/2018
BE	CTM	Construction Technology & Management	23/02/2019
BE	CV	Civil Engineering	10/01/2018
BE	EI	Electronics & Instrumentation Engineering	23/02/2019
BE	ECE	Electronics & Communication Engineering	01/06/2019
BE	EEE	Electronics & Electrical Engineering	10/01/2018

BE	IEM	Industrial Engineering & Management	10/01/2018
BE	ISE	Information Science and Engineering	10/01/2018
BE	ME	Mechanical Engineering	10/01/2018
BE	ML	Medical Electronics	20/02/2019
BE	TC	Electronics & Telecommunication Engineering	11/07/2018
BE	MAT	Engineering Mathematics	02/02/2019
BE	CHY	Engineering Chemistry	23/02/2019
BE	PHY	Engineering Physics	10/01/2018
MBA	MBA	Master of Business Administration	20/06/2018
MCA	MCA	Master of Computer Applications	02/07/2018
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Computer Science and Engineering	04/02/2019	SwacchBharath Abhyan/ Internship/MOOCs/Training CS85	04/02/2019
BE	Computer Science and Engineering	16/08/2019	Emerging Technologies 17CS5DMETG	16/08/2019
BE	Electronics & Instrumentation Engineering	21/01/2019	Management & Entrepreneur 17IM51CMEP	23/02/2019
BE	Electronics & Instrumentation Engineering	01/01/2019	Emerging Technologies for Automation 17EI5DCEMT	23/02/2019
BE	Electronics & Instrumentation Engineering	01/01/2019	Automation Process Control-EI72	23/02/2019
BE	Electronics & Instrumentation Engineering	01/01/2019	Industrial Automation-IEEI76	23/02/2019
BE	Mechanical Engineering	13/08/2019	Simulation Laboratory 18ME4DLSIL	13/08/2019

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Manufacturing technology-2	25/02/2019
BE	Vehicle aero dynamics	25/02/2019
BE	Automotive Materials and Component Testing	25/02/2019
BE	Modelling and Simulation Lab	25/02/2019
BE	Industrial Safety and Risk Analysis	25/02/2019
BE	Characterization Techniques for Engineering Materials	23/02/2019
BE	Linux System Programming	25/02/2019
BE	Artificial Intelligence and Agent Technology	02/08/2018
BE	Advanced Java	25/02/2019
BE	Mobile Application Development	02/08/2018
BE	Emerging Technologies	16/08/2019
BE	Cloud Computing And Big Data Applications	05/02/2018
BE	Emerging Technology - Modular Construction	01/08/2019
BE	Rural Infrastructure and Community Development	01/08/2019
BE	Building Science	01/08/2019
BE	Digital Circuits & System Design	23/02/2018
BE	Embedded Systems & RTOS	23/02/2018
BE	Automotive Instrumentation	23/02/2018
BE	Control System Components	23/02/2018
BE	Unit Operations	23/02/2018
BE	Microwave & Antenna Theory	02/07/2018
BE	Fundamentals of smart digital TV AI, ML & Robotics	02/07/2018
BE	Machine Learning	02/08/2018
BE	Cyber Security	16/08/2019
BE	Digital System Design	01/08/2019

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Aeronautical Engineering	04/06/2018
BE	Automobile Engineering	04/06/2018
BE	Chemical Engineering	04/06/2018
BE	Computer Science and Engineering	04/06/2018
BE	Civil Engineering	04/06/2018
BE	Electronics & Instrumentation Engineering	04/06/2018
BE	Electronics & Communication Engineering	04/06/2018
BE	Electronics & Electrical Engineering	04/06/2018
BE	Industrial Engineering & Management	04/06/2018
BE	Engineering Physics	04/06/2018
BE	Engineering Physics	04/06/2018
MBA	Master of Business Administration	04/06/2018

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
Artificial Intelligence and Machine Learning Innovation Lab (AI ML)	03/09/2018	100
CIL courses conducted for the UG students	02/09/2019	275
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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	24
BE	Automobile Engineering	63
BE	Biotechnology Engineering	40
BE	Chemical Engineering	27
BE	Computer Science and Engineering	74
BE	Construction Technology & Management	50
BE	Civil Engineering	49

BE	Electronics & Instrumentation Engineering	124
BE	Electronics & Communication Engineering	510
BE	Engineering Mathematics	4
BE	Medical Electronics	37
BE	Electronics & Telecommunication Engineering	48
MBA	Master of Business Administration	222
MCA	Master of Computer Applications	137
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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
<p>Students Feedback: Course and Program exit surveys are conducted regularly for the students. Students have rated on the courses and electives, and their competencies expected in relation to the technological advancements. Teachers Feedback: Curriculum once updated is circulated to the department faculty for their feedback to improvise. Teacher's feedback is noted on overall teaching learning process and student development activities, in regular department meetings. Employers Feedback: Employers' feedback is also recorded periodically, regarding the ability of our students in contributing to the organization, their technical knowledge, team spirit, work ethics and also responsiveness towards the society. The feedback summary indicates that most of our students contribute to the goal of the organization and have performed well. Alumni Feedback: The Alumni feedback collected, emphasizes on enhancing technical and interpersonal skills of the students and also on the curriculum updates. Stakeholder V: Parents Regular parents teachers meetings, parents' feedback reflected on their demands to make their wards industry ready. Measures taken to address the above mentioned issues: Considering feedback from all the sources curriculum and the academic process is updated to adopt the change.</p>

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	60	60	58

	Engineering			
BE	Automobile Engineering	60	60	50
BE	Biotechnology Engineering	60	60	52
BE	Chemical Engineering	60	43	44
BE	Computer Science and Engineering	240	257	240
BE	Construction Technology & Management	60	20	15
BE	Civil Engineering	180	445	147
BE	Electronics & Instrumentation Engineering	60	58	60
BE	Electronics & Communication Engineering	240	270	206
BE	Electronics & Electrical Engineering	120	150	106
BE	Information Science and Engineering	120	120	123
BE	Mechanical Engineering	180	160	180
BE	Medical Electronics	60	43	43
BE	Electronics & Telecommunication Engineering	120	120	102
BE	Master of Business Administration	120	200	120
BE	Master of Computer Applications	202	222	202
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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
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2018	6909	660	372	25	48
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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
324	324	21	105	71	18

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

Yes through Proctor System The institute aims in bridging the gap between faculty and students, creating an environment where students can approach faculty to discuss about the issues faced by them. Each faculty is assigned around 20 students whom they have to mentor throughout the year. The proctor has to maintain a close relationship with the allotted students. The proctor conducts proctor meeting regularly at least 34 times in a semester where they interact with their assigned students on one to one basis. The proctor maintains a diary where the student's details are listed which includes their personal and academic records. The proctor counsels their students to understand their area of interest and motivates the students to participate in various inter college and intra college competitions. The proctor also assists the students in selecting the electives of their choice, discuss the internship opportunities and placement opportunities, the various technical, cultural and sports fests happening around the city depending on the student's area of interest. The proctor listens to each student's grievance and takes appropriate measures in addressing the issues by discussing them with the Head of the Department. The proctor also takes interest to inform the parents/ guardians about their wards attendance status, CIE marks and any sort of behavioural changes. The students can contact their proctors anytime to discuss their personal and academic problems. Proctors have to ensure the overall wellbeing of the allotted set of students

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6909	397	1:17

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
384	397	0	24	127

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
2018	Dr. Naveena B E	Assistant Professor	Ph.D. awarded from VTU (State Government University)
2018	Dr. N. Rajeswari	Associate Professor	Travel award from European Molecular Biology Organization (EMBO) to attend EMBO Workshop on From Epigenome towards

			Epitranscriptome in Cell Fate Choice (Capri 1417 October, 2018)
2018	Dr.Sinosh Skariyachan	Associate Professor	Outstanding Faculty Award in Science (Biotechnology) from Centre for Advanced Research and Design, Vinus International Foundation (VIFA) at 4th Contemporary Academic MeetCAM2018.
2018	Dr. K. M. Kumar	Assistant Professor	Outstanding Young Researcher Award 2019 at the International conference "HORIZON 2019. The Epitome Of Biomedical Research, jointly organized by Biomedical Research Unit and Lab Center (BRULAC), Dental Research cell (DRC), SaveethaDental college Ho
2019	Dr. Krishnan R	Professor	DRDO Research grant award
2019	Dr.Vindhya P Malagi	Associate Professor	DRDO Research grant award
2019	Shravya A R	Assistant Professor	Fellowship received from DRDO
2018	Dr.H K Ramaraju	Professor	JalsevaPuraskar Award
2019	Dr.Shivashankar G P	Professor	Best Paper award from IWWA
2019	Dr.T.C.Manjunath	Professor	Life Time Achievement Award for the year 2019 from ESN Research Group on 3rd of Sept. 2019
2019	Dr.Kiran R. Guptha	Professor	Outstanding IEEE Branch Counsellor Award (obtained from IEEE Bangalore Section)
2018	Dr. Deepak R	Associate Professor	BEST RESEARCH PAPER AWARD at 6th

			National Conference on Emerging Trends in Engineering, Research and Management organized by GM Institute of Technology (GMIT) Davangere on 26th 27th October, 2018
2018	Dr. Deepak R	Associate Professor	BEST RESEARCH PAPER AWARD in Finance at International conference on Management 4.0, organized by Krupanidhi School of Management, Bangalore on 12th October, 2018.
2018	S. Hema Priyadarshini	Assistant Professor	Distinguished Researcher Award 2018 by the International Journal for Research under Literal Access for having met the outstanding excellence in the field of Research Cocurriculum
2018	Padma. C. R	Assistant Professor	Prestigious E. K. Zavoisky award, 2018 at the International Society for Magnetic Resonance in Medicine (ISMRM) in Paris, France
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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	AE	20182019	13/06/2019	25/07/2019
BE	AU	20182019	13/06/2019	25/07/2019
BE	BT	20182019	13/06/2019	25/07/2019
BE	CE	20182019	13/06/2019	25/07/2019

BE	CSE	20182019	13/06/2019	25/07/2019
BE	CTM	20182019	13/06/2019	25/07/2019
BE	CV	20182019	13/06/2019	25/07/2019
BE	EI	20182019	13/06/2019	25/07/2019
BE	ECE	20182019	13/06/2019	25/07/2019
BE	EEE	20182019	13/06/2019	25/07/2019
BE	ISE	20182019	13/06/2019	25/07/2019
BE	ME	20182019	13/06/2019	25/07/2019
BE	ML	20182019	13/06/2019	25/07/2019
BE	TC	20182019	13/06/2019	25/07/2019
MBA	MBA	20182019	19/07/2019	25/07/2019
MCA	MCA	20182019	19/07/2019	25/07/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	0	0

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://www.dsce.edu.in>

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
AE	BE	Aeronautical Engineering	58	56	96.5
AU	BE	Automobile Engineering	62	62	100
BT	BE	Biotechnology	45	45	100
CE	BE	Chemical Engineering	41	39	95
CSE	BE	Computer Science and Engineering	211	204	96.68
CV	BE	Civil Engineering	200	195	97.5
CTM	BE	Construction Technology & Management	50	50	100

EI	BE	Electronics & Instrumentation Engineering	62	61	98
ECE	BE	Electronics & Communication Engineering	279	246	88.18
ISE	BE	Information Science and Engineering	141	130	92
ME	BE	Mechanical Engineering	203	198	97.54
ML	BE	Medical Electronics	48	45	94
MBA	MBA	Master of Business Administration	240	219	90
MCA	MCA	Master of Computer Applications	68	68	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://docs.google.com/forms/d/1SjH3IcY8coisXZhzAgYsUjHp7aKx4tBLgKqOS5FGpDI/edit>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Yes
Name of the teacher getting seed money
Dr. P. Adinarayana Reddy, Dr. P. N. Remya
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	DBT, GOI,	1600000	1200000
Major Projects	183	KSCST, IICHe	23000	23000
Major Projects	730	ERIPR, DRDO	2207000	929041
Major Projects	730	Ministry of Steel and KIOCL	1996000	1150000
Major Projects	730	Ministry of Earth Sciences	1435000	1335000
Major Projects	730	VGST KFIST	2000000	1000000
Minor Projects	90	MISTUBISHI DSCE	41163	41163
Minor Projects	183	IEEE	15000	15000
Industry sponsored Projects	365	Cuspera	40000	40000
Industry sponsored Projects	1095	ISRO	3228000	1164000
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

22

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Bosch training program Module1	Automobile Engineering	19/11/2018
Bosch training program Module2	Automobile Engineering	10/05/2018
SAE REEV boot camp	Automobile Engineering	27/07/2018
Importance of safe driving and usage of safe equipment	Automobile Engineering	15/02/2019
Latest trends and overview of electric vehicles	Automobile Engineering	19/02/2019
3D printing workshop	Automobile Engineering	25/04/2019
Seminar on Introduction to IPR by Mr. Chaitanya	Computer Science and Engineering	17/10/2018
Advances in Construction Technology - ACT 2018	Construction Technology Management	30/11/2018
A System Approach to Traffic Safety (ASATS)	Construction Technology Management	26/04/2019

Entrepreneurship awareness program	Civil Engineering	25/02/2019
FDP on "Current research trends in civil Engineering"	Civil Engineering	05/08/2019
Creatathon	Electronics Electrical Engineering	23/08/2019
BuildACircuit	Electronics Electrical Engineering	14/11/2019
HR skill training workshop	MBA	02/11/2018
Technical analysis workshop	MBA	18/12/2018
Digital marketing workshop	MBA	24/12/2018
CIL training	MBA	20/12/2018
Marketing boot camp	MBA	16/01/2019
Global Innovation Conclave	MBA	31/01/2019
Startup and Investor meet	MBA	30/10/2018
Resume building workshop	MBA	08/03/2019
Financial fitness workshop	MBA	25/03/2019
MDP on Business analytics using R programming	MBA	30/03/2019
FDP on basics of AI	MBA	06/05/2019
Placement workshop	MBA	04/05/2019
SPSS workshop	MBA	27/04/2019
MDP on Tableau	MBA	13/04/2019
Faculty Development Program (FDP) on "Applications of Machine Learning and Artificial Intelligence for Mechanical Engineering Sciences" (AMAMS2019)	Industrial Engineering Management	16/01/2019
One week Faculty Development Program "Emerging Trends and Innovations in Mechanical Engineering Sciences"	Mechanical Engineering	18/07/2019
Artificial Intelligence And Machine Learning	Medical Electronics	06/08/2019
Seminar on awareness of Higher Studies Medical Electronics graduates	Medical Electronics	20/09/2019
Workshop on Chatbot Design	Medical Electronics	12/10/2019

Industrial visit to KSRTC	Automobile Engineering	25/02/2019
Industrial visit to TVS	Automobile Engineering	27/02/2019
Workshop on "Entrepreneurship Awareness Camp"	Chemical Engineering	04/02/2019
All India Power Energy Society Student Young Professional Women in Engineering	IEEE PES DSCE student chapter	17/10/2019
Engineering Conclave	MBA	09/02/2019
Startup and Investor meet	MBA	30/10/2018
Future 2019	MBA	05/04/2019
Chanakya 2019	MBA	09/04/2019
Gestione 2019	MBA	10/04/2019
Placement workshop	MBA	04/05/2019
FDP on "Applications of Machine Learning and Artificial Intelligence for Mechanical Engineering Sciences" (AMAMS2019)	Mechanical Engineering	16/01/2019
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3.3.2 – 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
Research	Bhavana AJ Manasa Deeksha Nagaraj Dharshan S	Organized by MoRTH, NITI Ayog, IRSC at IIT Delhi	31/05/2019	1st place in "watch the road"
Fabrication, performance, evaluation of thin film flexible tank circuits	Dr. Dinesha P and Students team	CBIT, Kolar, Bangalore	17/07/2019	Best paper award
Design development of BIST logic for CLPs	Dr. Jamuna S and Students team	BMSCE, Bangalore	18/07/2019	Best paper award
Carbon Hub	Mr Shalom Kingston (TCE 7th sem)	DERBI Under PACE Program	27/09/2019	PITCH
Design and implementation of ECDSA for images	Dr. A R Aswatha	KSCST	06/08/2019	Best Project Award
Smart India Hackathon 2019	Ashutosh Pandey, IV sem, CSE	Smart India Hackathon	11/07/2019	Student Innovation Projects

Research	Dr.Shivashankar G	51st Annual Convention of Indian Water Works (IWWA) held at Indore, Madhya Pradesh on 18th20th January 2019.	20/01/2019	Best paper prize for "Pilotscale study on Horizontal Subsurface Flow Constructed Wetland operated under different Organic Loading Rates for RuralWastewater Treatment"
Research	Owais Ahamed Nitin Almaje Prakhar Bharanwal Sourabh M K	A State Level Seminar and Project Exhibition byKarnataka State Council for Science and Technology (KSCST), Government of Karnataka and Government of India	26/07/2019	Best Project Award
For outstanding work youth forum of water	Department of Civil Engineering (Youth Forum of Water)	51st Annual Convention of Indian Water Works (IWWA) held at Indore, Madhya Pradesh on 18th20thJanuary 2019.	20/01/2019	Certificate of Appreciation
Research	Mr.S.Raj,M.Sachdeva, Mr.M.Kashyap, Mr.K.Biswajeet	2 day National Conference held during INFRA ROADTECH 2019Organized by RASTA - Centre for Road Technology, VOLVO CE Campus, Peenya, Bengaluru on 4thand 5thApril 2019.	05/04/2019	1st Place for paper presentation on BLACKSPOT STUDY
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
DERBI Foundation	DERBI Foundation	DST	Skaas	Skill Management	21/06/2018

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Aeronautical Engineering	1
Automobile Engineering	1
Biotechnology Engineering	1
Chemical Engineering	1
Computer Science and Engineering	1
Civil Engineering	2
Electronics Instrumentation Engineering	2
Electronics Communication Engineering	6
Information Science and Engineering	3
Engineering Mathematics	1
Master of Business Administration	1
Master of Computer Applications	1
Mechanical Engineering	4
Medical Electronics	1
Engineering Physics	2
Electronics Telecommunications Engineering	6

3.4.2 – 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 Electrical Engineering	10	5.8
International	Mechanical Engineering	22	3.2
International	Medical Electronics	2	3.6
National	Electronics and Telecommunications Engineering	27	3
International	Aeronautical Engineering	1	3.7
International	Automobile Engineering	12	1.2
International	Biotechnology Engineering	21	1.2
International	Engineering Chemistry	17	2.6
International	Computer Science and Engineering	28	10.5

International	Civil Engineering	14	3
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Master of Business Administration	3
Master of Computer Applications	1
Mechanical Engineering	16
Engineering Physics	1
Aeronautical Engineering	9
Automobile Engineering	2
Biotechnology Engineering	3
Computer Science and Engineering	24
Civil Engineering	40
Electronics and Communication Engineering	2
Electronics and Electrical Engineering	1
Information Science and Engineering	18
Engineering Mathematics	10
No file uploaded.	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
IOT device for detecting naturally ripen chemically ripen fruits	Filed	2018410315	31/08/2018
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3.4.5 – 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
Synthesis and characterization of graphene filled PCABS filament for FDM applications .	Vijay Tamballimath, B E Naveena	AIP Conference Proceedings, Scopus Production, Properties, Applications of High Temperature Coatings	2018	1	DSCE	0
Recent perspectives	S Skariyathan, V S	Folia microbiologica	2018	14	DSCE	14

on the molecular basis of biofilm formation by Pseudomonas aeruginosa and approaches for treatment and biofilm	Sridhar, S Packirisamy, ST Kumargowda	1 (Springer)				
Characterization, antibacterial, antioxidant, anti-diabetic, anti-inflammatory and antityrosinase activity of green synthesized silver nanoparticles using Calophyllum tomentosum	M Govindappa, B Hema shekhar, MK Arthikala, VR Rai, YL Ramachandra	Results in Physics (Elsevier)	2018	11	DSCE	11
Screening of potential lead molecules against prioritised targets of multidrug resistant Acinetobacter baumannii - insights	S Skariyacha, M Manjunath, N Bachappanavar	Journal of Biomolecular Structure Dynamics (Taylor Francis)	2019	9	DSCE	9
Endophyte fungi, Cladosporium species mediated synthesis of silver nanoparticles possessing in vitro a	D Popli, V Anil, ABSu bramanyam, SN Rao, RV Rai, M Govindappa	Artificial cells, nanomedicine, biotechnology 46(sup 1), (Taylor Francis)	2018	4	DSCE	4

antioxidant, antidiabetic and anti-Alzheimer activity						
Screening of Natural Lead Molecules Against Putative Molecular Targets of Drug-resistant Cryptococcus spp: An Insight from Computer-aided Molecular Design	M Manjunath, S Skariyahan	Current topics in medicinal chemistry (Bentham Science)	2018	1	DSCE	1
Optical, electrical and luminescence studies of CuO/MgO nanocomposites synthesized via sonochemical method	K.S. Anantha Raju	Journal of Alloys and Compounds	2018	1	DSCE	1
Sunlight photocatalytic performance of Mg-doped nickel ferrite synthesized by a green sol-gel route	K.S. Anantha Raju	Journal of Science: Advanced Materials and Devices	2018	4	DSCE	3
Acid Activation of Bentonite Clay under Microwave Irradiation: Characterization, Cyclic Voltammetry	K.S. Anantha Raju	Materials Today: Proceedings	2018	1	DSCE	1

and Photocatalytic activity						
Layered double hydroxides as effective adsorbents for the removal of lead from contaminated water	Dr. M. Dinamani	International Advanced Research Journal in Science, Engineering and Technology	2018	9	DSCE	9
Synthesis, characterization, nucleic acid interactions and photoluminescent properties of methaniminium hydrazone Schiff base and its Mn (II), Co (II), Ni (II), Cu (II), Zn (II) and Cd (II) complexes,	Dr. M. Sennappan	Journal of Molecular Structure	2018	7	DSCE	7
Facile synthesis, characterization, nucleic acid interaction and photoluminescent properties of (E)furan-2-ylidene (2-hydroxybenzylidene) hydrazinyl) methaniminium and its Mn (II), Co (II), Ni (II), Cu	Dr. M. Sennappan	Journal of Molecular Structure	2018	2	DSCE	2

(II), Zn (II) and Cd (II) complexes						
New Insight into Procedure of Interface Electron Transfer through Cascade System with Enhanced Photocatalytic Activity	Dr. Samrat D	Small 14	2018	15	DSCE	15
Bimodal electrochemiluminescence of GCNQDs in the presence of double coreactants for ascorbic acid detection	Dr. Samrat D	Analytical chemistry	2018	23	DSCE	18
Preparation of GO/COOH/AuNPs/Zn APTPP nanocomposites based on the π - π conjugation: Efficient interface for low potential photoelectrochemical sensing of 4-nitrophenol	Dr. P.N Remya	Talanta	2018	2	DSCE	2
Cost Analysis as a Tool for the Development of Sc	Dr. P.N Remya	ACS Sustainable Chemistry Engineering	2018	5	DSCE	4

Recovery Processes from Bauxite Residue (Red Mud)						
Electrochemical and Spectroscopic studies of Interaction of ClopidogrelBisulphate with Calf Thymus DNA.	Dr. S. Malini	Asian Journal of Chemistry	2018	0	DSCE	0
Digital frequency domain approach for fluorescence lifetime spectroscopy of the cornea using an enhanced confocal scanning microfluorometer	Dr. Ramesh Babu D.R, Mrs. Sahana Damale	Materials Today, Elsevier	2019	7.17	DSCE	0
Phaseresolved Fluorometer for Fluorescence Lifetime Measurements in the Human Eye	Dr. Ramesh Babu D.R	Materials Today, Elsevier	2019	0	DSCE	1
Fluorescence Lifetime Spectroscopy of the Cornea using a Multichannel Scaler	Dr. Ramesh Babu D.R	Materials Today, Elsevier	2019	0	DSCE	0
Comparative investigation on effect of	R. Shanthi Vengadeshwari, Dr.H.N.	Asian Journal of Civil Engineering	2019	1	DSCE	1

fibers in the flexural response of post tensioned beam	Jagannatha Reddy					
Thickness optimization of CZTS solar cells using ZNO CDS buffer layer	Kajal Mukhopadhyay	Taylor and Francis	2019	1.9	DSCE	20
IRNSS Receiver Position Estimation using Iterative Least Squares and Extended	Dr. N. Vighnesam	ICATIECE 2019	2019	0	DSCE	1
Analysis of Pseudorange Measurements Observed in NavIC Receiver	Dr. N.V Vighnesam	International Journal of Engineering Research and Application	2019	1	DSCE	0
Goal Programming Model to find least cost ration for non pregnant dairy buffaloes , An alternative approach.	Dr. Radha Gupta	International Journal of Tropical Agriculture	2018	2	DSCE	1
A New Heuristic Approach To Find The Initial Basic Feasible Solution Of Crisp And Fuzzy	Dr. Radha Gupta	Universal Journal of Mathematics and Mathematical Sciences	2018	2	DSCE	1

Transportation Problems						
A Comparative Study of Initial Basic Feasible Solution of Fuzzy Transportation Problems using ANOVA	Dr. Radha Gupta	International Journal of Emerging Technologies and Innovative Research	2018	2	DSCE	1
A New Approach To Find The Initial Basic Feasible Solution Of A Transportation Problem	Dr. Radha Gupta	International Journal of Research Granthaalayah	2018	1	DSCE	1
A Goal programming Approach to Ration Formulation Problem for Indian DairyCows	Dr. Radha Gupta	International Journal of Current Advanced Research	2018	1	DSCE	1
A New Approach for Evaluation of Volume Integrals by Haar Wavelet Method	Dr.K.T.Shivaram	International Journal of Innovative Technology and Exploring Engineering	2019	1	DSCE	0
A Simple and Efficient Wavelet Approach for evaluating surface integral over curved domain	Dr.K.T.Shivaram	International Journal of Engineering and Technology	2018	1	DSCE	0
Numerical Integratio	Dr.K.T.Shivaram	Journal of Mechanics,	2018	1	DSCE	0

n over a family of Quadrilateral elements for Elliptic partial differential equations by Finite Element Method		Material Science and Engineering				
Numerical computation of integrals of highly oscillating function by Block - pulse and chebyshev wavelet method	Dr.K.T.Shivaram	Journal of pure and applied mathematics	2018	1	DSCE	0
Optimal wavelet based approach for ndimensional integrals over bounded and unbounded regions by chebyshev wavelet method	Dr.K.T.Shivaram	3rd IEEE conference on communication and electronics systems	2018	1	DSCE	0
Numerical Integration of Arbitrary Function over Multidimensional Cubes using Haar Wavelet Method	Dr.K.T.Shivaram	International Journal of Innovative Technology and Exploring Engineering	2019	1	DSCE	1
New exponential stability criterion for a	Dr Umesha. V	International Journal of Pure and Applied Ma	2018	1	DSCE	0

class of Markovian jumping recurrent neural networks with time varying delays: An event triggered approach.		thematics				
Exponential stability analysis For delayed differential systems of neutral type With an LMI approach	Dr Umesha. V	Khayyam Journal of. Mathematics	2019	2	DSCE	0
Exponential passivity for uncertain neural networks with time varying delays based on weighted integral inequalities	Dr Umesha. V	Neuro computing	2018	4	DSCE	0
Delay dependent criterion for finite time stability analysis of neural networks with time varying delays	Dr Umesha. V	International Journal of Pure and Applied Mathematics	2018	1	DSCE	0
Spectral sensitivity of fullerene doped P3HT thin films	Dr. C.M. Joseph	Materials Today (Elsevier)	2018	2	DSCE	2

for colored light sensing applications						
Preparation and switching characterization of Ge ₁ Sb ₂ Te ₄ thin film devices for NVRAM applications sensitivity of fullerene doped P3HT thin films for colored light sensing applications	Dr. C.M. Joseph	Materials Today (Elsevier)	2018	1	DSCE	1
Dynamic Response studies of GeTe devices for memory applications	Dr. C.M. Joseph	Materials Today (Elsevier)	2018	1	DSCE	1
Spectral sensitivity of fullerene doped P3HT thin films for colored light sensing applications	Dr. Aruna P	Materials Today (Elsevier)	2018	2	DSCE	2
Green and chemical engineered CuFe ₂ O ₄ : characterization, cyclic voltammetry, photocatalytic and photoluminescent inve	K.S. Anantha Raju	Materials Today: Proceedings	2018	2	DSCE	0

stigation for mulStudy of Solgel and Combustion Method for Synthesis Nano Spinel MgFe2O4and its Influence on Electro chemical Activity						
A hybrid priorotizat ion technique for combin atorial testing	Dr. Krishnan R	Int. J. in telligent Systems Te chnologies and Applic ations	2018	10	DSCE	788
A hybrid priorotizat ion technique for combin atorial testing	Dr. Preeti Satish	Int. J. in telligent Systems Te chnologies and Applic ations.	2018	3	DSCE	45
Comparativ e Study on Object Detection Methods used in Human Action Rec ognition	Mrs. Rashmi S.R	Internatio nal Journal of Emerging T echnologie s and Innovative Research , ISSN:23495 162, Vol.6, Issue 4	2018	1	DSCE	1
Constructi ng an Office Domain Ontology using Knowledge Engineerin g Process	Mrs. Rashmi S.R	Internatio nal Journal of Future Innovative Research in Computer Scienc e, ISSN: 24544248 Volume: 4 Issue:4	2018	1	DSCE	3
A Survey	Dr.	Internatio	2018	2	DSCE	51

on Crop Prediction using Machine Learning Approach	Deepak.G	International Journal for Research in Applied Science Engineering Technology (IJRASET), Volume 6, Issue VI				
A Heuristic Approach for Securing Data of IoT Devices using MAC Address of the Devices and 3 DES Method	Dr. Deepak.G	Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:23495162, Vol.6, Issue 4	2018	2	DSCE	51
Authentication and Privacy for IoT Objects: A Survey	Dr. Deepak.G	Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:23495162, Vol.6, Issue 4,	2018	2	DSCE	51
Cloud Based Consulting Service in Health Care Domain	Dr. Deepak.G	International Journal of Research and Review (IJRR), Vol.5 Issue: 6	2018	2	DSCE	0
Smart EToll using IoT: Design and its Implementation	Dr. Deepak.G	International Journal for Research in Applied Science Engineering Technology (IJRASET)	2018	2	DSCE	51
Autonomous Planetary Vehicle De	Dr.Samitha Khaiyum	International Journal of	2019	1	DSCE	0

velopment Platform		Engineering and Advanced Technology (IJEAT) Scopus Indexed				
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3.4.6 – 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
Factor Analysis of population growth using Data Analytics	Dr. Ramesh Babu D.R.	IJCSE	2019	8	0	DSCE
A survey on Big Data Analytics and Visualization	Dr. Amutha S	International Journal of Emerging Technologies and Innovative Research, ISSN:23495162, Vol.6, Issue 4, page no.260262	2018	3	0	DSCE
Big Data: Handling and Analysis using Map Reduce	Dr. Amutha S	IJCSE	2019	3	0	DSCE
A hybrid priorotization technique for combinatorial testing	Dr. Krishnan R	Int. J. in telligent Systems Technologies and Applications, vol18	2019	10	0	DSCE
Generating Effective Test Suite for Multiparameter Software using ACTS	Dr. Krishnan R	International Journal of Scientific Engineering Research ,Volume 9,	2019	10	0	DSCE

Tool and its Verification using Code Coverage Tools		Issue 8				
Deep Reinforcement Learning for Action Based Object Tracking in Video Sequences	Dr. Vindhya P Malagi	Journal of Web Development and Web Designing ,Volume 4 Issue 2	2019	2	2	DSCE
A Survey on Identification and Detection of Fruits based on Deep Neural Networks	Dr. Vindhya P Malagi	IJCSE, Volume 5, Issue 8 EISSN: 23472693	2019	2	0	DSCE
Comparative Study on Object Detection Methods used in Human Action Recognition	Mrs. Rashmi S.R	International Journal of Emerging Technologies and Innovative Research , ISSN:23495162, Vol.6, Issue 4, page no.124128	2018	1	0	DSCE
Constructing an Office Domain Ontology using Knowledge Engineering Process	Mrs. Rashmi S.R	International Journal of Future Innovative Research in Computer Science, ISSN: 24544248 Volume: 4 Issue: 4 725 - 731	2018	1	0	DSCE
Splay Thread Cooperation	Dr. Suma S	The International Arab	2018	13	0	DSCE

on Ray Tracing as a Load Balancing Technique in Speculative Parallelism and GPGPU		Journal of Information Technology. Science Citation Indexed				
Green and chemical engineered CuFe ₂ O ₄ : characterization, cyclic voltammetry, photocatalytic and photoluminescent investigation for multifunctional applications	K.S. Anantha Raju	Journal of Nanostructure in Chemistry	2018	0	2	DSCE
Layered double hydroxides as effective adsorbents for the removal of lead from contaminated water	Dr. M. Dinamani	International Advanced Research Journal in Science, Engineering and Technology,	2018	0	9	DSCE
Facile synthesis, characterization, nucleic acid interaction and photoluminescent properties of (E)-furan-2-yl (2-(2-hydroxybenzylidene)hydrazinyl)methaniminium and its Mn (II), Co (II), Ni	Dr. M. Sennappan	Journal of Molecular Structure	2018	89	2	DSCE

(II), Cu (II), Zn (II) and Cd (II) complexes						
Synthesis, characterization, nucleic acid interaction and photoluminescence properties of (E)(2(2-hydroxybenzylidene)hydrazinyl)(pyridin-4-yl) methaniminium Mn (II), Co (II), Ni (II), Cu (II) and Zn (II) complexes.	Dr. M. Sennappan	Journal of Molecular Structure	2018	89	0	DSCE
Identification of Cucumber Leaf Disease using Image Processing Techniques	Dr. Ramesh Babu D.R.	IJCSE	2018	8	0	DSCE
Fluorescence Lifetime Spectroscopy of the Cornea using a Multichannel Scaler	Dr. Amuthas	Materials Today, Elsevier	2018	3	0	DSCE
A hybrid priorotization technique for combinatorial testing	Dr. Preeti Satish	Int. J. in telligent Systems Technologies and Applications, vol18, Nos.1/2	2019	3	45	DSCE
Identification of Cucumber	Dr. Vindhya P Malagi	IJCSE, Volume 5, Issue 8	2019	2	2	DSCE

Leaf Disease using Image Processing Techniques		EISSN: 23472693				
Evaluation and Comparison of LBP and HAAR Algorithms for Face Recognition	Dr. Vindhya P Malagi	International Journal of Emerging Technologies and Innovative Research, ISSN:23495162, Vol.6, Issue 4, page no.263267	2019	2	0	DSCE
Smart EToll using IoT: Design and its Implementation	Dr. Deepak.G	International Journal for Research in Applied Science Engineering Technology (IJRASET)	2018	2	0	DSCE
Cloud Based EConsulting Service in Health Care Domain	Dr. Deepak.G	International Journal of Research and Review (IJRR), Vol .5 Issue: 6	2019	2	0	DSCE
Authentication and Privacy for IoT Objects: A Survey	Dr. Deepak.G	Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:23495162, Vol.6, Issue 4, page no.529532	2019	2	51	DSCE
A Heuristic Approach for Securing Data of	Dr. Deepak.G	Journal of Emerging Technologies and Innovative Research (2019	2	0	DSCE

IoT Devices using MAC Address of the Devices and 3 DES Method		JETIR),ISS N:23495162 , Vol.6, Issue 4, page no.529532				
A Survey on Crop Prediction using Machine Learning Approach	Dr. Deepak.G	Journal of Emerging Technologies and Innovative Research (JETIR),ISS N:23495162 , Vol.6, Issue 4, page no.529532	2019	2	51	DSCE
Comparative Study on Object Detection Methods used in Human Action Recognition	Mrs. Rashmi S.R	International Journal of Emerging Technologies and Innovative Research , ISSN:23495162, Vol.6, Issue 4, page no.124128	2018	1	0	DSCE
Constructing an Office Domain Ontology using Knowledge Engineering Process	Mrs. Rashmi S.R	International Journal of Future Innovative Research in Computer Science, ISSN: 24544248 Volume: 4 Issue: 4 725 - 731	2019	1	0	DSCE
Handling Uncertainty using Probability Theory, Fuzzy Logic, and Belief	Mrs. Rashmi S.R	Asian Journal of Computer Science Engineering 3(3):3740, 3(3):16, 3(3):1523	2019	1	0	DSCE

Based Systems A Comparison						
Activity Recognition In Smart Home Using Ontology	Mrs. Rashmi S.R	Asian Journal of Computer Science Engineering 3(3):3740, 3(3):16, 3(3):1523	2019	1	0	DSCE
A Review on Reasoning System, Types and Tools and Need for Hybrid Reasoning	Mrs. Rashmi S.R	Asian Journal of Computer Science Engineering 3(3):3740, 3(3):16, 3(3):1523	2019	1	0	DSCE
Factor Analysis of population growth using Data Analytics	Mr. Ravichandra H	IJCSE	2019	0	0	DSCE
Big Data: Handling and Analysis using Map Reduce	Mr. Ravichandra H	IJCSE	2019	0	0	DSCE
Smart EToll using IoT: Design and its Implementation	Mr. Harish K N	International Journal for Research in Applied Science Engineering Technology (IJRASET)	2019	3	38	DSCE
Authentication and Privacy for IoT Objects: A Survey	Mr. Harish K N	Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:23495162, Vol.6, Issue 4, page no.529532	2019	3	38	DSCE

A Heuristic Approach for Securing Data of IoT Devices using MAC Address of the Devices and 3 DES Method	Mr. Harish K N	Journal of Emerging Technologies and Innovative Research (JETIR), ISSN:23495162, Vol.6, Issue 4, page no.529532	2019	3	38	DSCE
A Survey on Crop Prediction using Machine Learning Approach	Mr. Harish K N	International Journal for Research in Applied Science Engineering Technology (IJRASET), Volume 6, Issue VI, Page No: 164169, ISSN : 23219653	2019	3	38	DSCE
Phaseresolved Fluorometer for Fluorescence Lifetime Measurements in the Human Eye	Mrs.Asnika . S	Materials Today, Elsevier	2019	0	0	DSCE
Digital frequency domain approach for fluorescence lifetime spectroscopy of the cornea using an enhanced confocal scanning microfluorometer	Mrs. Sahana Damale	Materials Today, Elsevier	2019	0	0	DSCE
A Comprehe	Mrs.	Internatio	2019	0	0	DSCE

nsive Survey on Image Processing Methods in Cotton Detection and Identification	Annapoorna B.R	nal Journal of Emerging Technologies and Innovative Research				
Performance Analysis of Triple Material Tri gate TFET using 3D Analytical Modelling and TCAD Simulation	Dr. P.Vimala	AEU International journal of Electronics and Communication (IF 2.85), SCOPUS, Elsevier publication	2019	2	1	DSCE
Synthesis and characterization of graphene filled PCABS filament for FDM applications .	Vijay Tamballimath	AIP Conference Proceedings, Scopus	2018	1	0	DSCE
Thermal Spray Coatings for ErosionCorrosion Protection	B E Naveena	Production , Properties, and Applications of High Temperature Coatings	2018	1	1	DSCE
Recent perspectives on the molecular basis of biofilm formation by Pseudomonas aeruginosa and approaches for treatment and biofilm	Skariyachan, VS Sridhar S Packirisamy, ST Kumargowda	Folia microbiologica 63 (4), 41 3432(Springer)	2018	10	14	DSCE
Characterization, an	M Govindappa, B, Hem	Results in Physics 9,	2018	7	11	DSCE

tibacteria l, antioxi dant, anti diabetic, antiinflam matory and antityrosi nase activity of green s ynthesized silver nan oparticles using Calo phyllum tomentosum	ashekhar, MK Arthikala, VR Rai, YL Ramachandr a	400408 (Elsevier)				
Optical, electrical and lumines cent studies of CuO/MgO na nocomposit es synthe sized via s onochemica l method	K.S. Anantha Raju	Journal of Alloys and Compounds	2018	145	1	DSCE
Sunlight p hotocataly tic perfor mance of Mgdoped nickel ferrite sy nthesized by a green solgel route	K.S. Anantha Raju	Journal of Science: Advanced Materials and Devices	2018	12	4	DSCE
Acid Activation of Bentonite Clay under Microwave Irradiatio n: Charact erization, Cyclic Vol tammetry and Photoc atalytic activity	K.S. Anantha Raju	Materials Today: Pro ceedings	2018	18	1	DSCE
Comparison Study of Solgel and Combustion	K.S. Anantha Raju	Materials Today: Pro ceedings	2018	18	0	DSCE

Method for Synthesis Nano Spinel MgFe ₂ O ₄ and its Influence on Electrochemical Activity						
Corrosion characteristics of plasma sprayed flyashSiC and flyash Al ₂ O ₃ composite coatings on the Al6061 alloy	Naveena B E	Materials Research Express	2018	1	0	DSCE
Dry Sliding Wear Behaviour of Plasma Sprayed FlyashAl ₂ O ₃ and FlyashSiC Coatings on the Al6061 Aluminum Alloy	Naveena B E	Silicon	2018	1	1	DSCE
Comparative study on effects of slurry erosive parameters on plasma sprayed flyashAl ₂ O ₃ and flyashSiC composite coatings on Al6061 alloy	Naveena B E	International Journal of Computational Materials Science and Surface Engineering	2018	1	0	DSCE
A novel mixed matrix membrane	Dr. Samrat.D	Environmental Progress Sustainable	2018	56	0	DSCE

of phenolphthalein hydrazide and polysulfone for the detection of copper ions in environmental water samples		Energy				
New Insight into Procedure of Interface Electron Transfer through Cascade System with Enhanced Photocatalytic Activity.	Dr. Samrat.D	Small	2018	195	15	DSCE
Bimodal electrochemiluminescence of GCNQDs in the presence of double coreactants for ascorbic acid detection	Dr. Samrat.D	Analytical chemistry	2018	305	23	DSCE
Preparation of GOCOOH/AuNPs/Zn APTPP nanocomposites based on the π - π conjugation: Efficient interface for low potential photoelectrochemical sensing of 4-nitrophenol	Dr. P.N Remya	Talanta	2018	146	2	DSCE

o						
Process for Scandium Recovery from Jamaican Bauxite Residue: A Probabilistic Economic Assessment	Dr. P.N Remya	Materials Today: Proceedings	2019	18	0	DSCE
Cost Analysis as a Tool for the Development of Sc Recovery Processes from Bauxite Residue (Red Mud)	Dr. P.N Remya	ACS Sustainable Chemistry Engineering	2018	65	0	DSCE
Electrochemical and Spectroscopic studies of Interaction of ClopidogrelBisulphate with Calf Thymus DNA.	Dr. S. Malini	Asian Journal of Chemistry, 2018	2018	31	0	DSCE
Optical, electrical and luminescent studies of CuO/MgO nanocomposites synthesized via sonochemical method	K.S. Anantha Raju	Journal of Alloys and Compounds	2018	145	1	DSCE
Digital frequency domain approach for fluorescence lifetime spectroscopy	Dr. Ramesh Babu D.R.	Materials Today, Elsevier	2019	8	0	DSCE

y of the cornea using an enhanced confocal scanning microfluorometer						
Phaseresolved Fluorometer for Fluorescence Lifetime Measurements in the Human Eye	Dr. Ramesh Babu D.R.	Materials Today, Elsevier	2019	8	0	DSCE
Fluorescence Lifetime Spectroscopy of the Cornea using a Multichannel Scaler	Dr. Ramesh Babu D.R.	Materials Today, Elsevier	2019	8	0	DSCE
A Comprehensive Survey on Image Processing Methods in Cotton Detection and Identification	Dr. Ramesh Babu D.R.	International Journal of Emerging Technologies and Innovative Research	2019	8	0	DSCE
Thermal behavior of PCABS based graphene filled polymer nanocomposite synthesized by FDM process	Tambrallimath, V. Keshavamurthy R., D. S. Koppad, P.G., Kumar, G.S.P.	Composites Communications	2019	1	0	DSCE
Experimental and Simulation Studies on Waste Vegetable Peels as Biocomposite Fillers	Patil, A.Y. Banapurmath, N.R., Yarradoddi, J.S, Yunus Khan, T.M., Mathad, S. N.	Arabian Journal for Science and Engineering	2018	1	1	DSCE

for Light Duty Applications						
Corrosion characteristics of plasma sprayed flyashSiC and flyash Al ₂ O ₃ composite coatings on the Al6061 alloy	Keshavamurthy R., Naveena, B.E., Ahamed A., Sekhar N, Peer D.	Materials Research Express	2019	1	0	DSCE
Dry Sliding Wear Behaviour of Plasma Sprayed FlyashAl ₂ O ₃ and FlyashSiC Coatings on the Al6061 Aluminum Alloy	Naveena B E Keshavamurthy R. Sekhar, N.	Silicon	2018	1	1	DSCE
Morphology Studies on Mechanically Milled Aluminium Reinforced with B ₄ C and CNTs	Gowda, A.C., Koppad, P.G., Sethuram, D., Keshavamurthy	Silicon	2018	1	1	DSCE
Electrochemical behavior of cast and forged aluminum based insitu metal matrix composites	Kumar G.S.P, Keshavamurthy, R., Kumari, P, Manjoth S, Kavya, J.T.	AIP Conference Proceedings	2019	1	0	DSCE
Synthesis and characterization of graphene filled PCABS	Tambrallimath V Keshavamurthy R Saravanbavan D., Kumar G.S.P.	AIP Conference Proceedings	2019	1	1	DSCE

filament for FDM applications	Kumar M.H.					
Comparative study on effects of slurry erosive parameters on plasma sprayed flyashAl2O3 and flyashSiC composite coatings on Al6061 alloy	Naveena, B.E., Kesavamurthy, R., Sekhar, N.	International Journal of Computational Materials Science and Surface Engineering	2019	1	0	DSCE
Experimental and theoretical prediction of CopperNickel nanophase diagram	Ram H.R.A, Kashyap K.T SridharK.S. Gopalakrishna, K. Keshavamurthy R.	Materials Research Express	2018	1	0	DSCE
Effect of hot extrusion on mechanical behaviour of boron nitride reinforced aluminium 6061based metal matrix composites	Mukesh, Y. B.Bharathesh, T.P.Saravanan, R.Keshavamurthy,	International Journal of Materials Engineering Innovation	2019	1	0	DSCE
Spectral Sensitivity of Fullerene Doped P3HT Thin Films for Color Sensing Applications	Dr. C. M. Joseph	Materials Today: Proceedings 5 (1), 24122418	2019	4	2	DSCE
Effect of annealing on vacuum evaporated zinc phthalocyanine	Dr.Priya A Hoskeri	International Journal of Scientific Research and Review	2019	1	2	DSCE

thin films						
Spectral Sensitivity of Fullerene Doped P3HT Thin Films for Color Sensing Applications	Dr. Aruna P	Materials Today: Proceedings 5 (1), 24122418	2019	3	2	DSCE
Comparative study of printed rectangular monopole antennas with slots for wireless applications	Dr. Naveen S M	Proceedings of IEEE National Conference on ECE (NCEC 2019), May 2019, pp.162	2019	2	1	DSCE
Novel highspeed reconfigurable FPGA architectures for EMDbased image steganography	Dr. Aswath, A.R	Multimedia Tools and Applications	2018	2	1	DSCE
Virtual currency and its challenges	Ramya H.P	International journal of Advance and Innovative Research	2019	0	0	DSCE
Deciphering Investment Habits Using Association Rules	Deepak.R	International Journal of Advance and Innovative Research	2019	2	15	DSCE
Performance Of Cryptocurrencies: Investment Opportunity Persists	Deepak.R	International Journal of Emerging Technologies and Innovative Research	2019	1	10	DSCE
Seasonal Anomalies In Cryptoc	Deepak.R	International Journal of	2018	1	10	DSCE

urrencies: Can Bitcoins Be The Next Investment Avenue		Business and Management Invention (IJBMI)				
Comparativ e Analysis Of Investment AvenuesSto ck Markets Are Still The Last Option For Employed Women Individual Investors	Deepak.R	Internatio nal Journal of Business and Management Invention (IJBMI)	2019	2	15	DSCE
Future Fun draising in Digital Economy: Ambiguity Still Persists	Deepak.R	Internatio nal Journal of Business and Management Invention (IJBMI)	2019	2	20	DSCE
Optimizati on of Simulation based System Level Modeling to Enhance Embedded Systems Pe rformance	Murigendra yya M. Hiremath	Internatio nal Journal of Engineerin g Research and Technology	2019	0	0	DSCE
Characteri zing and Modeling of Mechanical Properties of Epoxy Polymer Composites Reinforced with Bentonite Clay	Mahadeva Raju G K,	Materials Today Proc eedings, Vol.5, Issue14, Part 2, 2018 ELSEVIER	2018	0	0	DSCE
Characteri zing and Modeling of	Mahadeva Raju G K,	Materials Today Proc eedings, Vol.5,	2018	0	0	DSCE

Mechanical Properties of Epoxy Polymer Composites Reinforced with Fly ash		Issue14, Part 2, 2018 ELSEVIER				
IRNSS Receiver Position Estimation using Iterative Least Squares and Extended	Dr. N.V Vighnesam	ICATIECE2019	2019	0	0	DSCE
Analysis of Pseudorange Measurements Observed in NavIC Receiver	Dr. N.V Vighnesam	International Journal of Engineering Research and Application	2019	0	0	DSCE
Goal Programming Model to find least cost ration for nonpregnant dairy buffaloesAn alternative approach,	Dr. Radha Gupta	International Journal of Tropical Agriculture	2019	0	0	DSCE
"A New Heuristic Approach To Find The Initial Basic Feasible Solution Of Crisp And Fuzzy Transportation Problems	Dr. Radha Gupta	Universal Journal of Mathematics and Mathematical Sciences	2019	0	0	DSCE
A Comparative Study of Initial Basic Feasible	Dr. Radha Gupta	International Journal of Emerging Technologies	2018	0	0	DSCE

Solution of Fuzzy Transportation Problems using ANOVA		s and Innovative Research				
A New Approach To Find The Initial Basic Feasible Solution Of A Transportation Problem	Dr. Radha Gupta	International Journal of Research Granthaalayah	2018	0	3	DSCE
A Goal programming Approach to Ration Formulation Problem for Indian Dairy Cows",	Dr. Radha Gupta	International Journal of Current Advanced Research	2018	0	0	DSCE
A New Approach for Evaluation of Volume Integrals by Haar Wavelet Method	Dr.K.T.Shivaram	International Journal of Innovative Technology and Exploring Engineering	2019	0	0	DSCE
A Simple and Efficient Wavelet Approach for evaluating surface integral over curved domain	Dr.K.T.Shivaram	International Journal of Engineering and Technology	2018	0	1	DSCE
Numerical Integration over a family of Quadrilateral elements for	Dr.K.T.Shivaram	Journal of Mechanics, Material Science and Engineering	2019	0	0	DSCE

Elliptic partial differential equations by Finite Element Method						
Numerical computation of integrals of highly oscillating function by Block - pulse and chebyshev wavelet method	Dr.K.T.Shivaram	Journal of pure and applied mathematics	2018	0	0	DSCE
The optimal numerical wavelet based integration of probability density function by chebyshev wavelet method	Dr.K.T.Shivaram	3rd IEEE International Conference on Trends in Electronics and Informatics IEEE Xplore ISBN 9781538681138	2018	0	0	DSCE
The application of quadrilateral finite element mesh generation technique for the analysis of cutoff wave number in rectangular with curved waveguide	Dr.K.T.Shivaram	2nd IEEE international conference on intelligent sustainable system, IEEE Xplore ISBN 9781594056904	2018	0	0	DSCE
Mesh generation techniques for numerical integration of	Dr.K.T.Shivaram	IOP Conference material science and engineering (ICONAMMA	2019	0	0	DSCE

arbitrary function over polygonal domain by finite element method		- 2018)				
Optimal numerical computation of microwave problem over a circular cross section by quadrilateral finite element mesh generation	Dr.K.T.Shivaram	3rd IEEE conference on Inventive systems and control IEEE Xplore ISBN 9781538639504	2018	0	0	DSCE
Finite element mesh generation technique for numerical computation of cut off wave numbers in rectangular and L shaped wave guide	Dr.K.T.Shivaram	3rd IEEE conference on Inventive systems and control IEEE Xplore ISBN 9781538639504	2018	0	0	DSCE
Optimal wavelet based approach for ndimensional integrals over bounded and unbounded regions by chebyshev wave let method	Dr.K.T.Shivaram	3rd IEEE conference on Inventive systems and control IEEE Xplore ISBN 9781538639504	2019	0	0	DSCE
Numerical approximation of	Dr.K.T.Shivaram	3rd IEEE conference on	2018	0	0	DSCE

<p>wavelet based integration approach of arbitrary function by block pulse function method approximation of wavelet based integration approach of arbitrary function by block pulse function method</p>		<p>Inventive systems and control IEEE Xplore ISBN 9781538639504</p>				
<p>Numerical Integration of Arbitrary Function over Multi dimensional Cubes using Haar Wavelet Method</p>	<p>Dr.K.T.Shivaram</p>	<p>International Journal of Innovative Technology and Exploring Engineering</p>	<p>2018</p>	<p>0</p>	<p>0</p>	<p>DSCE</p>
<p>On measurable semicompact and semi Lindelof Quotient Radon measure manifolds and their intrinsic structures</p>	<p>Dr. Soubhagya Baddi</p>	<p>Journal of Advanced Studies in Topology</p>	<p>2019</p>	<p>0</p>	<p>0</p>	<p>DSCE</p>
<p>New exponential stability criterion for a class of Markovian jumping recurrent neural networks</p>	<p>Dr Umesha. V</p>	<p>International Journal of Pure and Applied Mathematics</p>	<p>2019</p>	<p>0</p>	<p>0</p>	<p>DSCE</p>

with time varying delays: An event triggered approach.						
Exponential stability analysis For delayed differential systems of neutral type With an LMI approach	Dr Umesha. V	Khayyam Journal of. Mathematics	2019	0	0	DSCE
Exponential passivity for uncertain neural networks with time varying delays based on weighted integral inequalities	Dr Umesha. V	Neuro computing	2018	0	1	DSCE
Delay dependent criterion for finite time stability analysis of neural networks with time varying delays	Dr Umesha. V	International Journal of Pure and Applied Mathematics	2019	0	0	DSCE
Music Genre Classification using Machine Learning Algorithms: A comparison	Dr.Kavitha A.S	International Research Journal of Engineering and Technology	2019	11	0	DSCE
Implementation of Adaptive	Dr. J Satheesh Kumar	Advances in Technology	2018	4	1	DSCE

Embedded Controller for a Temperature Process		Innovation				
A hybrid approach combining CUR matrix decomposition and weighted kernel sparse representation for plant leaf recognition	K Pankaja, V Suma	International Journal of Computers and Applications	2018	12	0	DSCE
Factors in influencing regression testing on cloud and onpremises : an analysis	MSN Murthy, V Suma	International Journal of Intelligent Systems Technologies and Applications	2019	15	0	DSCE
A comprehensive solution for Risk Management in software development projects	Suma V Raghavi K Bhujan	International Journal of Intelligent Systems Technologies and Applications	2018	15	2	DSCE
Leaf Recognition and Classification Using GLCM and Hierarchical Centroid Based Technique	K Pankaja, V Suma	International Conference on Inventive Research in Computing	2018	0	1	DSCE
TOWARDS SUSTAINABLE INDUSTRIALIZATION USING BIG DATA AND INTERNET OF THINGS	Suma V	Journal of ISMAC	2019	0	0	DSCE
Performance Analysis of Triple	Dr. P.Vimala	AEU International journal of	2019	2	1	DSCE

Material Tri gate TFET using 3D Analytical Modelling and TCAD Simulation		Electronic s and Comm unication (IF 2.85), SCOPUS, Elsevier p ublication				
An Electro static Analytical Modeling of HighK stacked Ga teAllAroun d Heteroju nction Tunnel FETs Consi dering the Depletion Regions	Dr. P.Vimala	AEUInterna tional journal of Electronic s and Comm unication SCI, SCOPUS Indexed	2019	48	0	DSCE
Comparativ e Quantum Analysis of Si/Ge Channel TriGate MOSFETS	Dr. P.Vimala	Journal of Nano Research SCI, SCOPUS Indexed	2019	16	0	DSCE
Analytical Quantum Model for Germanium Channel Ga teAllAroun d (GAA) MOSFET	Dr. P.Vimala	Journal of Nano Research SCI, SCOPUS Indexed	2019	16	0	DSCE
Performanc e Investig ation of Gate Engineered Trigate SOI TFETs with different HighK dielectric materials for Low Power Appl ications	Dr. P.Vimala	Silicon SCI, SCOPUS Indexed	2019	19	0	DSCE
"Aerodynam ic Analysis and Optimi	Suresh P, Prathik Jain S	Journal of Emerging T echnologie s and	2019	0	0	DSCE

zation of The Futuristic BoxWing Type Aircraft Configuration"		Innovative Research				
Synthesis of Redundant Planar Isotropic Manipulator Using Link Length Ratios	Hareesha N G	International Journal of Engineering and Management Research	2018	0	0	DSCE
Preliminary Design and Numerical Simulation of Reverse Flow Annular Combustor at Basic Design Point Operating Conditions .	Dr. A Arokiaswamy	Iconic Research and Engineering Journals,	2018	0	0	DSCE
Shape Optimization of Blended Wing Body Configuration An Experimental Approach	Dr. A Arokiaswamy	International Journal of Recent Technology and Engineering,	2019	0	0	DSCE
Preliminary Design of a Reverse Flow Annular Combustor and Experimental Investigations at Design and Off Design Operating Conditions	Dr. A Arokiaswamy	International Journal of Recent Technology and Engineering,	2019	0	0	DSCE

Design and Development of Green Energy Conversion System Using Waste Water and Organic Kitchen Wastes	Dr. R Rajendran	International Journal of Hydrology Science and Technology Inderscience Publishers, (Scopus Indexed),	2019	0	0	DSCE
Technological Aspects of Microbial Fuel Cells and Soil Based Green Energy Conversion System	Dr. R Rajendran	GMSARN International Journal (Scopus Indexed)	2019	0	0	DSCE
Probabilistic Evaluation and Design Aspects for Reliability Enhancement of Induction Motor	Dr. R Rajendran	International Journal of Reliability and Safety, Inderscience Publishers (Scopus Indexed)	2019	0	0	DSCE
Static Aeroelastic analysis of wind tunnel test model in transonic flow	Dharmendra A P	Emerging research in civil Aeronautical and mechanical engineering	2019	0	0	DSCE
Demand driven Gaussian window optimization for executing preferred population of jobs in cloud clusters	M. Vaidehi	International Journal of Electrical and Computer Engineering	2019	0	0	DSCE
,"ANFIS	Dr Harsha	International	2018	20	0	DSCE

tuned PI control of inverter for VAR support for voltage control in offgrid hybrid power system"	anantwar	nal Journal of Pure and Applied Mathematics, Volume 118 No. 24 , 2018, ISSN: 13143395, [Scopus rank Q4 , H index 20]				
Optimized controllers' designs using adaptive Bacterial Foraging algorithm for Voltage control and reactive power management in Offgrid hybrid power system	Dr Harsha anantwar	"International Journal of Image, Graphics and Signal Processing (IJIGSP), Vol. 11, No. 1, PP.3343, Jan. 2019, DOI: 10.5815/ijigsp ISSN: 20749074 (Print), ISSN: 20749082 (Online) , IndexGoogle Scholar Citations / H index 5	2019	0	0	DSCE
"Optimized Control of VAR/Voltage in the Offgrid Hybrid Power System ",	Dr Harsha anantwar	Emerging Research in Electronics, Computer Science and Technology". Lecture Notes in Electrical Engineering, vol 545. April 2019Springer, Singapore .[Index	2019	26	0	DSCE

		SCOPUS RankQ3, H index 26]				
Automatic Signboard Detection System by the Vehicles	Dr.Rajeshwari .J	International Journal of Engineering Science and Computing	2019	3	0	DSCE
Plant Disease Prediction System	Dr.Rajeshwari .J	International Journal of Engineering Science and Computing	2019	0	0	DSCE
Statistics on Urban Traffic Vehicles for Real World Videos	Dr.Rajeshwari .J	International Journal of Engineering Science and Computing	2018	0	0	DSCE
Heart Disease Prediction By Machine Learning	Dr.Rajeshwari .J	International Journal Of Engineering Research And Development	2018	0	0	DSCE
Thermal behavior of PCABS based graphene filled polymer nanocomposite synthesized by FDM process	Dr. R.Keshavamurthy	Composites Communications	2019	0	0	DSCE
Experimental and Simulation Studies on Waste Vegetable Peels as Biocomposite Fillers for Light Duty Applications	Dr. R.Keshavamurthy	Arabian Journal for Science and Engineering	2019	0	0	DSCE
Corrosion	Dr. R.Kesh	Materials	2019	0	0	DSCE

characteristics of plasma sprayed flyashSiC and flyash Al2O3 composite coatings on the Al6061 alloy	avamurthy	Research Express				
Dry Sliding Wear Behaviour of Plasma Sprayed FlyashAl2O3 and FlyashSiC Coatings on the Al6061 Aluminum Alloy	Dr. R.Keshavamurthy	Silicon	2019	0	0	DSCE
Morphology Studies on Mechanically Milled Aluminium Reinforced with B4C and CNTs	Dr. R.Keshavamurthy	Silicon	2019	0	0	DSCE
Electrochemical behavior of cast and forged aluminum based insitu metal matrix composites	Dr. R.Keshavamurthy	AIP Conference Proceedings	2019	0	0	DSCE
Synthesis and characterization of graphene filled PCABS filament for FDM applications	Dr. R.Keshavamurthy	AIP Conference Proceedings	2019	0	0	DSCE
Comparativ	Dr. R.Kesh	Internatio	2019	0	0	DSCE

Experimental study on effects of slurry erosive parameters on plasma sprayed flyashAl2O3 and flyashSiC composite coatings on Al6061 alloy	Dr. R.Keshavamurthy	International Journal of Computational Materials Science and Surface Engineering				
Experimental and theoretical prediction of CopperNickel nanophase diagram	Dr. R.Keshavamurthy	Materials Research Express	2019	0	0	DSCE
Effect of hot extrusion on mechanical behaviour of boron nitride reinforced aluminium 6061based metal matrix composites	Dr. R.Keshavamurthy	International Journal of Materials Engineering Innovation	2019	0	0	DSCE
Comparative investigation on effect of fibers in the flexural response of post tensioned beam, , June 2019, Volume 20, Issue 4, pp 527-536	ShanthiVenkateswari. R	Asian Journal of Civil Engineering	2019	0	1	DSCE
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
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Attended/Seminars/Workshops	48	59	32	73
Presented papers	112	75	8	17
Resource persons	2	14	3	13
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Automobile Engineering	Bosch joint certification program	Bosch	708000
Biotechnology Engineering	Micro propagation of banana plants	Management	650000
Computer Science and Engineering	Validation of recommendations from AI ML models	CUSPERA	40000
Civil Engineering	Work Motion Study	RDPR	1123000
Master of Business Administration	Entrepreneurship	SIT, Tumkur	480000
Mechanical Engineering	Dr.R. Keshavamurthy	Ball Milling and 3D printing	9130
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Independence Day	NSS Unit of DSCE	15	40
Anti Drug Marathon	NSS Unit of DSCE	4	20
Blood Donation Camp	NSS Unit of DSCE	14	13
Stem Cell Transplantation	NSS Unit of DSCE	8	30
Book Distribution	NSS central unit	1	29
Say no to Drugs	NSS central unit	1	12
Free dental	NSS central unit	1	26

Blood donation camp	NSS central unit	1	30
Blood Donation Camp Institutional social responsibility	NSS team Jointly organized by red cross unit of DCSE Government High School saraki , Bangalore	4	50
Walkathon	NSS	1	10
Swachbharth Abhiyan	NSS Unit DSCE	1	20
Blood Donation Camp	DSCE in association with Rotary club	1	30
Blood Donation Camp	Dayananda Sagar College of Engineering - NSS Unit in association with Lions Blood bank, Kidwai Blood bank, Rotary club, Sanjay blood bank and Sagar blood bank	5	20
Swachh Bharat Internship	"BRUHAT BENGALURU MAHANAGARA PALIKE"	4	30
Gaming event	NSS	2	96
Kannada Rajyotsava	NSS	2	5
NGO	DSCE	2	128
NSS	DSCE	2	96
Republic Day	NSS Unit of DSCE	8	12
Mission Compassion	NSS Unit of DSCE	15	27
International Yoga Day	NSS Unit of DSCE	20	25
One Day Camp at Government School	NSS Unit of DSCE	12	35
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	BBMP	Dry waste cleaning	1	2

NSS	DSCE	Swachh Bharat Abhiyan	1	10
Swachh Bharat Internship	"BRUHAT BENGALURU MAHANAGARA PALIKE"	Swachh Bharat Internship	4	30
Swachh Bharat	Ministry of HRD	Internship/Volunteership	1	1
Swachh Bharat	Govt School, Melkote	Swachh Bharat	15	186
Swachh Bharat	NSS DSCE Unit	Shramadhana Shibira	8	40
Swachh Bharat	Central unit	Shramadhana Govt. School Visit	1	12
Bell Development	DSCEECE Under the teach india program of GOI	Govt. School Donation developed the bell	1	3
Awareness Campaign	DSCE	Voting awareness video campaign	2	5
Awareness Campaign	DSCE	Water preservation video campaign	2	5
Swachbharth	NSS Unit DSCE	Seven days special camp	1	4
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research	Dr. R. Keshavamurthy Prof. Prabhakar K & RAPSRI Engineering products pvt ltd.	Science Engineering Research Board (SERB) RAPSRI Engineering products private limited, Harohalli, Karnataka.	1095
Development Program (FDP) jointly organised by Department of Biotechnology, DSCE, School of Basic and Applied Sciences, Dayananda Sagar College of Engg., Bangalore, Centre for Incubation, Innovation, Research, Jyothy	Faculty members from various R&D center and Institutions	<ul style="list-style-type: none"> Support from the management Association of Microbiologist of India (AMI), New Delhi supported the program with INR 20000/ 	7

Institute of Technology and Asso			
FDP	40	Management	1
Workshop for students	200	Students	2
Workshop for faculty	50	DSCE	2
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	Optimization of paint defect caused in cabin trim section from VOLVO GROUP	04/06/2018	04/07/2018	Rajith D
Internship	Internship	General Service of Motorcycles from KALYANI BAJAJ	04/04/2018	04/07/2018	Kulkarni Anurag
Internship	Internship	General Service of Motorcycles from KALYANI BAJAJ	25/06/2018	23/07/2018	Apurv Pritam Prabhu
Internship	Internship	General Service of Motorcycles from KALYANI BAJAJ	25/06/2018	23/07/2018	Usama Uzair
Internship	Internship	IC Engines from SIDDHI TVS MOTORS	25/06/2018	03/07/2018	Rahul Prasad Singh
Internship	Internship	Engine Transmission and Body Design from BMTC	05/02/2019	05/03/2019	Venkatesh K Umar
Internship	Internship	Engine Transmission and Body Design from BMTC	11/02/2019	05/03/2019	Nimeshmathew

Internship	Internship	Engine Transmission and Body Design from BMTc	11/02/2019	13/03/2019	O S Sudarshan
Internship	Internship	Engine Transmission and Body Design from BMTc	11/02/2019	13/03/2019	Rohan N
Internship	Internship	Finding Solution for Slippage of Nut Plate During Spot Welding from VOLVO TRUCKS	11/02/2019	13/03/2019	Tejas M
Internship	Internship	Engine Transmission and Body Design from BMTc	10/07/2018	09/08/2018	Vinodharan K
Internship	Internship	Engine Transmission and Body Design from BMTc	11/02/2019	13/03/2019	Imran
Internship	Internship	Study on Service Station from BHAGYODAYA MOTORS Pvt. Ltd.	11/02/2019	13/03/2019	Vishal L Nail
Internship	Internship	Engine Transmission and Body Design from BMTc	21/01/2019	23/02/2019	Darshan SK
Project	Final project	Reliance securities Ltd, Religare health insurance, Saankhya Labs Pvt ltd ,Sagar Hospitals, SagasIT scalene works people solution ltd, Stanley Black and Decker	18/02/2019	27/04/2019	15

		Tempbridge networks, The Bangalore City Cooperative Bank limited			
Project	Final project	Toyoda Gosei South India Pvt, Toyota Industries engine India, Trell Expeirences Pvt Ltd, UltraTech Cement Limited ,Vedantu Wipro Limited, Wizklub, Wonder Blues, Xcellent Solutions	18/02/2019	27/04/2019	20
JobTraining and Project Work	Technical Training for students on Data science	Enhance Knowledge Works , Vijaya bank colony, Bannerghatta Road, Bangalore.	01/07/2019	17/07/2019	56
onthejob training	Autodesk FUSION 360	Autodesk India limited Autodesk India Pvt. Ltd.	01/04/2019	30/04/2019	100
Internship	Internship	Service and Maintenance from SVR MOTORS MAHINDRA Service Center	11/02/2019	13/03/2019	Srinivasaredy DV
Internship	Internship	Service and Maintenance from SVR MOTORS MAHINDRA Service Center	02/02/2019	02/03/2019	Adarsh Seraphim
Internship	Internship	Servicing Excavators	02/02/2019	02/03/2019	G R Vaishnav Das

		from INFANT DIESEL			
Internship	Internship	IC Engine from SIDDHI TVS MOTORS	15/01/2019	12/02/2019	Gnyaneshwar
Internship	Internship	Tatra Trucks from BEML	05/02/2019	05/03/2019	Abhilash B J
Internship	Internship	Composite Material Production from VEGA AVIATION PRODUCTS	13/06/2018	13/07/2019	Anubhab Mahapatra
Industry	Internship	Nalanda Associates	09/07/2018	25/07/2019	Mr. Abdul Razik of 7th Semester
Industry	Internship	M/S Krishna Thermo Industries	16/01/2019	24/01/2019	Bobby Ghuriya of 7th Semester
Industry	Internship	Mangalore Refinery and Petrochemica ls Ltd	02/07/2018	16/07/2018	Dhruvakumar T K of 7th Semester
Industry	Internship	Group Pharma ceuticals Ltd	07/06/2018	07/07/2018	Ms. Harshitha B of 7th semester
Industry	Internship	Indian Oil Corporation Ltd	01/06/2018	28/06/2019	Ishaan Sanehi of 7th Semester
Industry	Internship	Gomti Resins Polymers Pvt Ltd	05/06/2018	12/06/2018	Ms. Mythri M of 7th Semester
Industry	Internship	Sartorius	18/07/2018	06/08/2018	Ms. Mahima H S of 7th semester
Industry	Internship	Mangalore Chemicals Fertilizers Ltd	25/06/2018	06/07/2019	Mr. Manoj C Gowda of 7th Semester
Industry	Internship	Bharat Petroleum Corporation Ltd	23/07/2018	11/08/2018	Mr. P M Abuzer Rabani of 7th Semester
Industry	Internship	Wendt (India) Limited	16/07/2018	01/08/2018	Ms. Renuka Shivani of 7th Semester
Industry	Internship	Karnataka Soaps Detergents Limited	02/07/2018	17/07/2018	Mr. Shrinidhi H G of 7th semester

Industry	Internship	Saipem India Projects Private Limited	02/07/2018	31/07/2018	Ms. Shivaranjani of 7th Semester
Industry	Internship	Cardolite Speciality Chemicals India LLP	05/07/2018	05/08/2018	Ms. Supriya D U of 7th Semester
Industry	Internship	Various IT Industries, Startups	01/01/2019	31/05/2019	85 students of Final Year
R and D Labs	Project Work	DRDO, ISRO	01/01/2019	31/05/2019	12 students of Final Year
International Collaboration	Project Work	Indiana University Bloomington, USA	01/11/2019	31/12/2019	2 Students of Final Year
Industry	On the Job Training	Textron, Cognizant, Bridge i2i	01/01/2019	31/05/2019	8 Students
Internship and project work	MOU	IIT Guwahati, Tequed labs	02/07/2018	16/07/2018	43
Industry internship	Amazon Prime Campus Ambassador	Amazon	01/03/2019	31/05/2019	1
Industry Internship	Organisational study	Bagadia chaitra industries private limited, BAMUL KMF BANGALORE, Bharat Electronics Limited, BHEL, Big Bazaar, BMTC Bombay, Rayon Fashion ltd., Bosch, Cleartax, Decathlon, Exide Industries Limited, Exotic Innovations Private Limited, Federal bank	02/07/2018	25/08/2018	12
Industry	Organisation	Feedback	02/07/2018	25/08/2018	12

Internship	al study	Business Consulting, Food Safety Standards Authority of India , Fortune Tissue Product, Future group (Big bazaar), Geeta Ganesh Promoters Ltd (currently interning) ,Geetha Concrete, Poles Grand mercure Bangalore, HARMAN INTERNATIONAL, HDFC			
Industry Internship	Organisation al study	Hindustan CocaCola Beverages Pvt. Ltd, HIPPOCAMPUS INFO TECH PVT LTD ICICI IDBI Federal Impress apparel machines pvt ltd Indian Oil Corporation Ltd Karnataka Soaps And Detergents Limited Karnataka Milk Federation Karnataka Power Corporation Limited	02/07/2018	25/08/2018	12
Industry Internship	Organisation al study	Kirloskar electric company ltd Hubli KMF Dharwad	02/07/2018	25/08/2018	12

		<p>KPTCL LT Construction Equipment LTD Larsen Toubro, Buildings and Factories Independent Company Lennisk MACRO PRECISION COMPONENTS Maruti Suzuki, Mandovi Motors Pvt Ltd, Max fashion, Metro cashcarry</p>			
Industry Internship	Organisation al study	<p>MISHRA PEDHA , Mymul Mysore milk union ltd,kmf NAMASTE EXPORTS LIMITED, Nearbuy NECTAR BEVERAGES PVT LTD.DHARWAD(PepsiCo), Nestle India limited, Nsight Global PAPER PACKAGING PVT LTD, Paramount Industry, Perfect alloy components private limited</p>	02/07/2018	25/08/2018	12
Industry Internship	Organisation al study	<p>Prakruti Products pvt ltd, Rahul distributors Pvt. Ltd,Raj ashree cements, Reliable</p>	02/07/2018	25/08/2018	14

		cashew company, RELIANCE, JIO Reliance retail, S.N.S . Industries ,Sagar Hospitals, Senthil multi speciality hospital, Shantala Machining technologies Pvt ltd			
Industry Internship	Organisational study	Shiraguppi Sugar Works Ltd. SIDDESHWARA COMPANY PVT.LTD HUBLI Sri Laxminarayana chemicals and fertilizers pvt.ltd. SRI SIDDESHWARA TEXTILES Supreme overseas exports india pvt ltd ,The Bangalore City Cooperative Bank Ltd The Himalaya Drug Company	02/07/2018	25/08/2018	12
Industry Internship	Organisational study	Unibic Foods India Pvt Ltd, Unishire Group Varna Coats Private limited, Vijayalaxmi Gears, VISHWAKARMA REFRACTORIES PRIVATE LIMITED, VTECH ENGINEERS, Wenger	02/07/2018	25/08/2018	12

		Watson			
Industrial visit	Industrial visit to propulsion division and wind tunnel	NAL, CSIR, Kodihalli and Belur campus, Bangalore	17/09/2018	18/09/2018	5th Sem students (66 students)
Project work	Design and analysis of cooling ducts	ADE, DRDO, Ministry of Defence, Govt. of India, Bangalore	01/02/2019	13/05/2019	7th Sem students (4 students)
Internship	Industrial training in civil helicopter	Helicopter division, HAL, Bangalore	01/07/2019	31/07/2019	24
Internship	Fly wing aircraft	ADE, DRDO, Ministry of Defence, Govt. of India, Bangalore	17/06/2019	19/07/2019	02
Internship	Internship	PRT Vehicle Development Program from SEINE AEROSPACE AUTOMOTIVE PRODUCT DESIGN PVT. LTD.	09/07/2018	08/08/2018	Gaurav Sivaraman
Internship	Internship	PRT Vehicle Development Program from SEINE AEROSPACE AUTOMOTIVE PRODUCT DESIGN PVT. LTD.	09/07/2018	09/08/2018	K Sanjay Simha
Internship	Internship	Plan for Each Part (PFEP) from VOLVO Group	04/06/2018	04/07/2019	Riya Biswas
Internship	Internship	PRT Vehicle Development Program from SEINE AEROSPACE AUTOMOTIVE PRODUCT DESIGN PVT. LTD.	09/07/2018	09/08/2018	Siddharth P
Internship	Internship	Engine	25/03/2019	26/04/2019	H Ismail

		Transmission and Body Design from BMTc			Jabiulla
Internship	Internship	Engine Transmission and Body Design from BMTc	25/03/2019	26/04/2019	Ronak Jain
Internship	Internship	Engine Transmission and Body Design from BMTc	25/03/2019	26/04/2019	Vijay Kumar Pal
Internship	Internship	Experimental Studies on the effect of the annealing on tensile strength of FDM 3D printed thermoplastic parts from VOILA 3D	09/06/2018	18/07/2019	Gowtham N S
Internship	Internship	Engine and Suspension repairs motorcycles and scooters from INDIBYKES	11/06/2018	13/07/2019	Sonu Bhupati
Internship	Internship	Technical Process Planning from MANNHUMMEL	09/07/2018	14/08/2019	Karthik D.
Internship	Internship	Engine Transmission and Bus Body Design from BMTc	11/02/2019	13/03/2019	Akhilesh S Patil
Internship	Internship	Vehicle Familiarization, Workshop Process and Recon Engine from MAURYA MOTORS	18/06/2018	16/07/2018	Arpeet Kumar
Internship	Internship	Engine Transmission and Bus Body Design from BMTc	11/02/2019	13/03/2019	Jagdish Bakka

Internship	Internship	Vehicle Service and Maintenance from GO YAMAHA	11/02/2019	13/03/2019	Joyo Jacob
Internship	Internship	Engine Transmission and Body Design from BMTc	20/01/2019	20/02/2019	Pourush Bhatt
Internship	Internship	Business Development Executive from POCKET FM Private Ltd	25/03/2019	26/04/2019	Praveen Kumar
Internship	Internship	Engine Transmission and Bus Body Design from BMTc	11/03/2019	16/04/2019	Shubham Verma
Internship	Internship	Engine Transmission and Bus Body Design from BMTc	25/03/2019	26/04/2019	Nihal Sahi
Internship	Internship	Process of Buses in Production Department from VOLVO GROUP	11/02/2019	13/03/2019	Abhishek Gowda K L
Internship	Internship	Study on Customer Relationship Management from APPLE	11/06/2019	10/07/2019	Ashik Kumar Shetty
Internship	Internship	Experimental Studies on the effect of the annealing on tensile strength of FDM 3D printed thermoplastic parts from VOILA 3D	08/01/2019	05/02/2019	Hari Prasanth K
Internship	Internship	Trident Auto Enterprises Service Department from TRIDENT	09/06/2018	18/07/2019	Kirankumar C Lakkundi

		AUTO ENTERPRISES			
Internship	Internship	Trident Auto Enterprises Service Department from TRIDENT AUTO ENTERPRISES	01/02/2019	03/03/2019	Prateek Sangappa Umadi
Internship	Internship	Trident Auto Enterprises Service Department from TRIDENT AUTO ENTERPRISES	01/02/2019	03/03/2019	RavikumaR S
Internship	Internship	Sales from RNS MOTORS LIMITED	01/02/2019	03/03/2019	Shivakumar Nayak C
Internship	Internship	Servicing and Maintenance from XTORQUE	20/02/2019	20/03/2019	Aprameya M S
Internship and project work	MOU	IIT Guwahati , Tequed labs	02/07/2018	16/07/2018	43
Project	Final project	9globes tech nologies, ABB India Limited, Adjetter Media Pvt. Ltd., Anmol share broking company, Arjas steel pvt ltd, Arzoo.com ,Avana Electro Systems Pvt.Ltd ,Avant Garde Motors BHEC pvt ltd, Blowhorn	18/02/2019	27/04/2019	15
Project	Final project	British engines, Capsource Talent Pvt Ltd, Choice Equity Pvt ltd, covalense	18/02/2019	27/04/2019	15

		CPG BPM Services private Ltd., Danamojo EFD Induction Private Limited, Emudhra Service Limited, Evolve Back ,ExcelR Solutions			
Project	Final project	Fantain Sports Pvt. Ltd., FedEx. Express, FISDOM GET SIMPL TECHNOLOGIES PVT. LTD ,Goodwill Comtrades Pvt Ltd, Happiest Minds Techno logies, Harman inter national , HirePRO, Indvara engineering Pvt ltd, Inventeron	18/02/2019	27/04/2019	15
Project	Final project	J Marathon Advisory services Pvt Ltd. Karnataka Power Corporation Limited KPIT Technologies Markelytics MC Duramix Medlife Inte rnational Pvt. Ltd Mercedes Benz Research and development India Mobstac Molecular Connections	18/02/2019	27/04/2019	15

		Pvt. Ltd Narayan Bhat andCo			
Project	Final project	New Wave Computing, Niki.AI Ninjacart, Odessa Technology, Orkay Fragrance, Planet11 Ecommerce Solutions India Pvt Ltd, Rane t4u Private Limited, Redseer consulting ,Reliance jewels, Reliance retail ltd	18/02/2019	27/04/2019	15
Internship	Internship	Rotor Support and Internal Flow from DRDO	12/02/2019	12/03/2019	Ritvik Justin Kunders
Internship	Internship	Engine Transmission and Body Design from BMTc	22/06/2018	20/07/2018	Sandeep K
Internship	Internship	Transportati on and Logistics from SSS TRANSPORT CO.	26/02/2019	25/03/2019	Shashaank BS
Internship	Internship	Logistics and Supply chain management from ACC CEMENT	08/01/2019	10/02/2019	Sudhira
Internship	Internship	Transportati on and Logistics from SSS TRANSPORT CO.	05/06/2018	25/08/2018	Sushanth K
Internship	Internship	Royal Enfield Service	08/01/2019	10/02/2019	Raghavendra Tippanna

		Centre Internship from ROYAL ENFIELD			
Industry visit	Corporate linkage	Coca Cola	15/05/2019	15/05/2019	40
Industry Internship	Organisational study	IFB Industries Ltd, ABB india limited, ACE Designers, Adjetter Media Pvt. Limited, Alpine Apparels Pvt.Ltd., AMARA RAJA BATTERIES LIMITED, Apollo hospitals Bannerghatta, AUMA India Private Ltd., Avana Electrosystem Pvt Ltd, AVTEC LIMITED, Awan India	02/07/2018	25/08/2018	12
Internship	Internship	Trident Auto Enterprises Service Department from TRIDENT AUTO ENTERPRISES	01/02/2019	03/03/2019	Nithyananda CH
Internship	Internship	Royal Enfield Service Centre Internship from ROYAL ENFIELD	25/02/2019	25/03/2019	Gautam M
Internship	Internship	Royal Enfield Service Centre Internship from ROYAL ENFIELD	04/02/2019	04/03/2019	Deepak V
Internship	Internship	Royal Enfield Service	04/02/2019	04/03/2019	Kiran Kumar

		Centre Internship from ROYAL ENFIELD			
Internship	Internship	Royal Enfield Service Centre Internship from ROYAL ENFIELD	04/02/2019	04/03/2019	SUNIL KUMAR
Internship	Internship	Optimization of paint defect caused in cabin trim section from VOLVO GROUP	04/02/2019	04/03/2019	Siddiq Pasha
Internship	Internship	Optimization of paint defect caused in cabin trim section from VOLVO GROUP	04/06/2018	04/07/2018	K Bhuvan Belliyappa
Internship	Internship	Plan for Each Part from VOLVO GROUP	04/06/2018	04/07/2018	Prajwal R Shetty
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Tequelabs Prayogeeek (Altilogic)	11/11/2019	IOT lab development and activities for students and staffs	250
Jignuts	01/05/2019	Digital marketing	3
NASSCOMCoEDSAI	06/05/2019	FDP Artificial Intelligence	4
Enhance Knowledge Works	21/06/2019	To provide internship to students and to organize workshops	60
RAPSRI Industries Private Limited	13/02/2019	Research Project	3
M/s Machenn Innovations (Machenn)	01/04/2019	Industry institute interaction, Internship	3
NAL	07/08/2018	Industrial visit	68

KASSIA	15/02/2019	Internships, Projects	3
M/s Pyro Ecogreen Technologies Pvt.Ltd	09/02/2019	Research/ Academic / industrial Collaboration	8
Nasscom DSAI Center of Excellence	06/05/2019	FDP for faculty, AI curriculum framing,100hrs of online course followed with exam, Train the trainers who in turn train the students	6
Sri Sathya Sai Institute of Higher Medical Sciences, Department of Radialogy	16/01/2019	Research Project Development of Machine learning algorithm and Image processing for identification. Marking, quantization and visualization of fibrosis in the myocardium	5
Automation Anywhere	09/11/2018	Elearning access, Automaton Anywhere Software , Handson training (TTT) and Providing global level certification, Botathon, Projects	51
Koopid	07/09/2018	Internships, talks, workshops for both faculty and students	8
Nokia Solutions	06/08/2018	Workshops, tech talks , Research programs , develop prototypes through internships , incubation projects , intercollege coding contest	6
Globaal Civil Consultant	26/07/2019	Consultancy	10
No file uploaded.			

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
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0	16503817
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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
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing

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
LIBSYS	Fully	4	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	7213	2163900	119	60690	7332	2224590
Reference Books	2830	849000	23	11730	2853	860730
e-Books	900	0	4378	670600	5278	670600
Journals	7	27000	0	0	7	27000
e-Journals	459	670600	0	0	459	670600
Digital Database	8	670600	0	0	8	670600
CD & Video	176	8570	0	0	176	8570
Weeding (hard & soft)	211	31650	25	3750	236	35400
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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
No Data Entered/Not Applicable !!!			
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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 (MGBPS)	Others
Existing	1488	57	194	105	7	12	14	100	6
Added	34	7	10	12	0	1	1	0	0
Total	1522	64	204	117	7	13	15	100	6

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

100 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
Virtual Tutorial Lab	http://virtual-lab-dsce.herokuapp.com/
Instruction Manuals	https://www.slideshare.net/hareeshang
Video Lectures	www.hareeshang.com
egovernance smart campus software	http://www.mydsi.org

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
113020000	117978737	269750000	273101853

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)

College has specific committees in place for all the support needed for the academic process to run efficiently. Each department has governing committees which have procedures and policies dictated so that proper maintenance of support facilities such as labs, classrooms and computers are taken care. College has a good library support with efacilities. Along with this each department has inhouse libraries to cater to the needs of faculty and students. College also has well established sports and cultural groups which provide for the extracurricular requisites needed for the overall growth of the students. Thinking towards the physical wellness of the students, hostels provide domestic gym for their use.

<https://www.dsce.edu.in>

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	Mr.H.SrinivasRao and Mrs.Kamamma Scholarships every year ShubhaPhutela	13	13000

	scholarship for girls only		
Financial Support from Other Sources			
a) National	Karepass Jindal SC ST Scholarship	1623	34595415
b) International	NIL	0	0
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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 implementation	Number of students enrolled	Agencies involved
Soft skill development	01/03/2019	100	Centre for Innovation and Leadership, DSCE
Soft skill development	05/04/2019	47	Centre for Innovation and Leadership, DSCE
BRIDGE COURSE IN mathematics I	02/09/2019	250	Department of mathematics
BRIDGE COURSE IN mathematics II	01/02/2019	250	Department of mathematics
Personal Counselling Working in Teams inter personal skills	21/06/2018	750	DSCETraining/CIL (Centre for Innovation and Leadership)
Personal Counselling Working in Teams inter personal skills	01/03/2019	50	DSCETraining/CIL (Centre for Innovation and Leadership)
Workshop on AI, DEEP learning, Machine learning , Data science	05/11/2019	60	MathWorks
.Four Days workshop on Embedded system and IoT applications	09/10/2019	80	Karunadu Technologies
Two days' workshop on An Introduction to IoT applications hands on with TI Technology.	04/10/2019	30	Digitoad Technologies
Soft skill development, Personal Counselling	03/10/2019	110	CIL
Soft skill development, Personal	10/11/2018	120	CIL

Counselling			
One Day seminar on start up in Incubation at IEDC,DSCE	19/09/2019	80	IEDC,DSCE
Industrial Visit to Advanced Electronics Systems, Bangalore	27/09/2019	70	ALS
Two days workshop on Multisim and labview for electrical circuit design	24/09/2019	75	ECE Department
Seminar on 5G technology conducted by TRAI	29/08/2019	25	Texas Instruments Universityprogramme
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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	GRE	6	50	7	5
2019	CAT	50	20	2	0
2019	GATE	50	15	4	2
2019	UPSC	2	10	2	0
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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
0	0	0

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
LT TECHNOLOGY SERVICES LIMITED, TEXTRON, C KEYENCE, TCS, Torry	920	77	Advik Hi Tech Pvt Ltd, Chegg India Pvt Ltd, Accenture, TAFE, NINJA KART, JEEP	100	64

Harris (THBS), PINCLICK, Speridian Technologies, AXISCADES, Quest Global, Eduvirtuoso, India Mart, CenturyLink Technologies India Private Limited, Advik Hi Tech Pvt Ltd, Chegg India Pvt Ltd,			COMPASS, MATERIAL SCINCE FIRM, PREBO, FLUXA UTO, INFOSYS, YOKOGAWA, SLICE PAY, SONO VISION, DRDO(GTRE), NIMHANS, SPOV UM TECHNOLOG IES, UNACADAMY, THE MATHA COMPANY PVT LTD,		
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	MCA	Information System Technologies	Wilmington University	Master of Science
2018	1	BE	Aeronautical Engineering	RMIT AUSTRALIA	Master of Science
2018	1	BE	Aeronautical Engineering	CRANFIELD	Master of Science
2018	1	BE	Automobile Engineering	England	Master of Science
2018	1	BE	Automobile Engineering	Michigan University	Master of Science
2019	1	BE	Automobile Engineering	Italy University	Master of Science
2019	1	BE	Automobile Engineering	England	Master of Science
2018	1	BE	Biotechnology	RV College of Engg, Bangalore, VIT, Vellore,	Master of Technology
2018	1	BE	Biotechnology	Hasso Plattner Institute, Germany Northeastern University, Boston	Master of Science
2019	1	BE	Chemical Engineering	UNSW, Sydney	Master Degree in

					Chemical Process Engineering
2019	1	BE	Chemical Engineering	UPES , Dehradun	Master of Technology in Chemical Engineering
2019	1	BE	Chemical Engineering	University of Massachusetts Lowell	Master of Science in Chemical Engineering
2019	1	BE	Chemical Engineering	UCC	M.Sc (Finance)
2019	1	BE	Chemical Engineering	Politecnico Di Milano	Master of Science in Chemical Engineering
2019	1	BE	Computer Science Engineering	Institute of Management Ghaziabad,	IMT
2019	1	BE	Computer Science Engineering	Technical University Munich, University of Cincinnati	Master of Science
2019	1	BE	Computer Science Engineering	The University of Texas at Dallas	Master of Technology
2019	1	BE	Computer Science Engineering	University of Maryland,UC Irvine	Master of Business Administration
2019	1	BE	Construction Technology Management	RASTA, Bangalore	Post Graduation-Infrastructure Construction Management
2019	1	BE	Construction Technology Management	RASTA, Bangalore	Post Graduation - Highway Technology
2019	30	BE	Electronics Communication Engineering	US universities, IIMs	MS&MBA
2019	1	BE	Industrial Engineering Management	CONCORDIA University	Master of Engineering
2019	1	BE	Industrial	UPPSALA	Master of

			Engineering Management	University, Sweden	Engineering
2019	1	BE	Industrial Engineering Management	San Diego State University	Master of Engineering
2019	7	BE	Medical Electronics	US universities, IIMs	Master of Science
2019	1	BE	Electronics & Telecommunications Engineering	University of Wollongong Australia	Business analytics
2019	1	BE	Electronics & Telecommunications Engineering	Coventry University	Supply chain management and Logistics
2019	1	BE	Electronics & Telecommunications Engineering	Delft University of technology	Wireless communication and Sensing
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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
NET	1
GATE	27
GMAT	2
CAT	6
GRE	18
TOFEL	21
Any Other	15
No file uploaded.	

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

Activity	Level	Number of Participants
Furore 2019	Intercollege	100
VTU Atheletic Meet	State	1
Swimming VTU Fest	State	1
Throw ball	Inter college	3
Cultural activities - Rangoli competition, Face Painting Mehandi Competition	Department Level	20
Sports Event - Carom Chess	Department Level	38
Foot Ball	Inter Department	2
DSCE Vibrations 2018	Inter Department	500

DSCE Furore 2018	Inter College	500
No file uploaded.		

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	National award	National	1	0	1DS18CS106	Rohan J
2019	Swimming VTU Fest	National	1	0	1DS17EC126	SurajAjjampur
2019	Gold medal	National	1	0	1DS16IS74	Rahul M.
2019	Second place awarded	National	1	0	1DS18IS47	Rajath J
2019	Second place awarded	National	1	0	1DS16IS25	Chirag R. Savarna
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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)

YES Students being the main stake holders are encouraged to be part institutional development activities. Their feedback is sought on various important matters such as syllabus, curriculum and also technical activities. They are continuously involved in all the activities as mentors, conducting committee and coordination committees. The institute has various active student committees to carry out various technical and cultural activities. The student committee consists of student coordinators and a team of active volunteers to steer the events. The various committees formed during the year includes:

- Student committees assist the faculty heads for all technical activities such as symposiums, conferences, journal club activities etc.
- Student's council in the EClub : All year minimum 2 boys 2 girls are in the committee for conduction of various academic cultural activities in the department
- Magazine Newsletter Committee: 4 students from the different years are in the committee which is responsible for the monthly newsletter the yearly college DSCE magazine or the annual report.
- Cultural committee: Student representatives from each department, who are culturally active are involved in institution group to be part of college fests like Furore and Vibrations. They will take in charge of major responsibilities and see that end to end smooth conduction
- Class representatives in each class are being appointed by the department to coordinate between the teachers the students.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Institute being the oldest of engineering colleges in Karnataka has contributed a huge number of well capable engineers to the society. Institution always welcomes the alumni visitors to the campus and tries to build continuous relationships with them. They invite the alumni to give back to the alma matter so that their junior batches are benefitted. The institute has maintained a

strong and active alumni network with more than 4000 alumni connected. Beyond this also the institute always strives to get in contact with all the alumni working for various government and private organizations. The institute conducts yearly Mega Alumni Meet every year where renowned alumni from various batches, working for prominent government and private sectors are invited. The alumni are invited for various activities happening within the department such as technical fests, Hackathons, Ideathons, cultural fests etc. In this way everyone can stay connected and make everyone aware of what is happening in the institute. The institute has an alumni team which includes the principal, coordinator and faculty coordinators. The team ensures that all the institute events, achievements and the activities of the institute reach the alumni's through various forms such as newsletter. The institute also believes in having alumni feedback on the current curriculum syllabus to identify the gaps and bridge it by considering their input. At department level, each department invites Alumni of their respective department to address the students and engage them in various activities such as conducting mock interview, improving their interpersonal skills, guest lectures, conduct workshops, provide internships and placement opportunities. Department witnesses a huge number of alumni visitors on Saturdays coming back to get letter of recommendations. These are also welcomed warmly to join the alumni network. All this helps students in their preparation for their placements and entrepreneurship. The alumni also help the students in preparing themselves for higher studies and applying for universities.

5.4.2 – No. of registered Alumni:

4000

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

300000

5.4.4 – Meetings/activities organized by Alumni Association :

8

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Institution vision being "To be a centre of excellence in education, research training and to produce citizens with exceptional leadership qualities to serve national and global needs." management strives to build strong committees at the top level to realize the stated vision. In this line, Institution houses the academic governing bodies such as BOS, IQAC etc., and considering the inputs from all the stake holders to keep the academic process in check and to enable the smooth conduction of the process. These governing bodies include experienced faculty members from all the departments. The committees meet up happen at regular intervals and transparent manner. The minutes of meeting of the above will be conveyed to the concerned departments. Department heads take up the further steps and form the department level committees and allot the responsibilities. These committees, with approval of the head of the department, will find ways to inculcate these in to the academic process. This is how decentralization is practised in the departments for handling budget with proper internal committee in place. Institution head takes responsibility of the overall college administration with focus on academics and provides a healthy and competitive learning environment. He emphasizes continuous improvement of teaching learning process to nurture the complete development of the students. He ensures all the growth of the department in all dimensions. He

also takes personal interest in tracking each and every activity of all the departments, by taking consolidated monthly reports of all the achievements and activities of every department. Being autonomous in nature, the department follows decentralization and participative management methods in every activity. In case of teaching/learning, faculty are actively involved in decision making process. Every faculty is given the authority to find the feasibility of new and existing subjects, their mode of teaching and plan of action to be taken to integrate and bridge the gap between industry expectations and syllabus. Over the year, New specialization subjects like Data Analytics have been introduced keeping in pace with the new frontiers. The scheme and syllabus is finalized after having discussions with current technology leaders from industry and our alumni from various sectors of the industry. Personality development is provided utmost importance at all the levels and is encouraged among faculty and students. There are several committees which take care of all the activities from class monitoring to exam conduction.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Human Resource Management	<p>The Institution owns a well established centralized Human Resources department to strengthen the faculty force which is the backbone of the whole academic system and also the administration personnel. Through this institution hosts lot of initiatives for the staff.</p> <p>The department has well laid out process for recruitment, performance appraisal and promotions of the staff. This process incorporates feedback for the staff from required stakeholders to decide on appraisals. It's the responsibility of the Human Resource Management department to provide platform for the development programs for the inhouse staff through well known organizations. To explain the HR process in steps: ? Periodic calls for the staff positions ? Experience and merit based selection procedures ? Induction programmes for the new faculty/staff ? Appraisals process at the right intervals of time ? Good working environment and basic infrastructure ? Good retaining measures</p>
Industry Interaction / Collaboration	<p>Institution always has high focus on reaching out to our major stakeholders, Industry. Institution always thrives towards establishing new interactions with the industry and collaborating with them for proper</p>

MOUs. This giving opportunities for students with conferences, workshops on latest technologies, internships, projects and placements. Industry interaction committee is in continuous dialogue with Industries, to name, NOKIA, NVidia Google causing longterm involvements like university campus projects for these industries. These projects provide on campus training by these companies, training on projects, and internships convertible to jobs. These engagements have proven to get our students industry ready and has increased the placement ratio of the college. To stat it, we have around 20 MOUs. TheseMOS are giving opportunities for Research and Industry collaboration, Organization of joint events, conferences, seminars, symposiums, FDP, Publications, Patents, Project proposals, establish academic curriculum as per the requirements of Industry and academia.

Admission of Students

Institution is one of the top priorities of the engineering aspirant students at the national and global level. Campus, houses more than 2000 students. The Institute strictly adheres to the norms of AICTE/ State Government and it's affiliating Vivesvaraya Technological University (VTU) for admitting students. Undergraduate Candidates admission to the Institute is through Common Entrance Test (CET) of Karnataka Examination Authority (KEA), Consortium of Medical, Engineering, and Dental colleges of Karnataka (COMEDK) and Management Quota. Postgraduate students are admitted through PGCET and management quota. Seats allotted through counselling of KEA, COMEDK are admitted to the institute as per the norms of VTU. Admitted students are taken care through proper orientation and proctor system to guide them further.

Curriculum Development

Departments adopt a uniform curriculum design and updating process. Every year, departmental Board of Studies committee, examine the present course contents and propose changes for the changes. This is done in accordance with the feedback from all the stakeholders considering industrial needs. The process is scrutinised by the head of the institution and then

the curriculum is reflected in the college website. The Board of Studies comprises of eminent persons from various disciplines of engineering to give guidance on the curriculum. The committee also includes members from industry and Alumni network, working towards bridging the gap between academia and industry.

Teaching and Learning

The Department adopts a systematic methodology which includes calendar of events, lesson plan, and course material, continuous internal evaluation, regularly scrutinized by the various bodies. Institution gives much importance to the TLP process. End of the previous semester, subjects will be allotted to each faculties so that faculties will get time to prepare course file. Course file covers lesson plan, lecture notes, question bank, problem based and application based questions, FAQs etc. Course plan is designed keeping in mind the Outcome based Education, MOOCs, Industry Visits, Role plays, blended learning and flip classes, mini projects.

Examination and Evaluation

Institution has its own examination cell to control all the activities related to Examinations, which includes Continuous Internal Assessments (CIE), Semester End Examinations (SEE), Makeup and Fast track exams. Dates of all the examinations are published before the commencement of the semester through calendar of events... Squad committees selected, monitors the conduction of CIA, lab exams and SEE to prevent malpractice. In case any student is found guilty the Committee formed by COE will take appropriate action as per norms. Final exam answer scripts are digitally evaluated by the 3 evaluators, two internal valuator and one external evaluator, results will be announced by COE as per the Calendar of events with provision to apply reevaluation. Continuous Internal assessment (CIA), Assignment and selected Alternate Assessment Tools are basic parameters for assessing the academic progress of students. Controller of Examination (COE) will take care of the process and monitors the smooth conduction of examinations throughout CIA Coordination The departmental CIA coordinators frame the

CIA time table in line with academic Calendar of Events. Invigilation duty allocation and centralized photocopying of CIA question papers are also performed by them. Head of the department oversees overall conduction process of the department. CIA Question Papers Students are given awareness about the pattern of question paper and scheme of evaluation to prepare them in advance. The department has a scrutinizing committee for selection of appropriate CIA question papers and also checks for the application of Bloom's levels for the quality of the questions. Question Bank The subject question bank is prepared by the faculty as per the curriculum syllabus. The question bank covers all the questions that have appeared in the university question papers along with exercise questions from the standard text books. Question bank is given to students, which expose them to wide variety of questionnaire helping in deeper understanding of the course. Assignments, tutorials classes on application based learning and problem solving also helps the students with the application aspect of the subject. CIA conduction • Conduction of CIA: In a semester three CIAs are conducted as per calendar of events. Internal assessments are carried out under the supervision of faculty assigned as room invigilator by CIA coordinators. Evaluation and moderation of answer booklets: The booklets are evaluated in a week's time from the date of CIA test. Scheme and solutions to IA question papers are discussed with students in the subsequent classes after CIA test for transparency in evaluation and enhancing their preparedness for the semester end university examination. Further, moderation of randomly selected booklets is done by Course coordinator/Senior faculty members for effective valuation. Marks scored in CIA's are recorded and analysed to counsel the students in subsequent proctor's interactions, if necessary, to improve their academic performance.

Research and Development

DSCE follows the key ethical principles that should underlie the research endeavour. Researchers here are encouraged to take on real time

problems with innovation and bring in novel solutions, to advance knowledge and make meaningful contribution to the society. The college hosts 21 research centres affiliated to Visvesvaraya Technological University, Belagavi. Institution also hosts state of the art research labs such as Centre for Ophthalmic Imaging and Instrumentation lab COII (CSE), Medical Imaging Research Centre - MIRC (ML). All the departments encourage their faculty to contribute to the research community through good publications, proposals and grants. Along with the TLP, each faculty is encouraged to carry out research in their area of interest. To support this goal setting is encouraged amongst all faculty which includes their research goals such as publications in reputed journals/conferences/book chapters and also to pursue Ph. D. As an outcome, Institution witnessed around 22 research projects and around 34 Ph. D awards this year. Regular audit is conducted to motivate the faculty to achieve their mentioned goals. Faculty are encouraged to write proposals to private and government bodies such as DRDO, DST, and ISRO to receive grants, which can help the research progress. Collaborations with reputed Indian and foreign universities (Indiana university, Bloomington) are in place to aid the research growth. The institution supports faculty pursuing Ph. D through the following: ? Deputation to participate in concerned workshops/seminars ? Study leave for writing papers/thesis ? Financial support for publishing papers in recognized conferences/journals

Library, ICT and Physical Infrastructure / Instrumentation

All the branches of engineering are well equipped with state of the art laboratories. The Institution has provided ICT facilities in all the departments in which the classrooms and Computer labs are provided with LCD projectors for Multimedia presentations for delivering lecture. The campus is WiFi enabled with adequate computing facilities. The faculty and students make use of these facilities for enriching their domain knowledge. Features of the Central library: ? The central library of the institution 4500 sq.m ? Total seating capacity 800. ?

Total number of books - 1,34,566 ?
 Total free access ejournals - 7,400
 The library includes Digital Library with modern facilities such as RFID and ICT. Further, elevators and rest rooms are provided at appropriate places. The institution has provided with the hostel facilities for both girls and boys within the campus.

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

E-governance area	Details
Planning and Development	EGovernance maintains Course planning, department calendar of events, college calendar of events, time table (theory / lab), and schedule of the IA/CIE test schedule is being planned initially before starting of the semester uploaded on to the egovernance portal so that the students exactly know what to do before planning their activity.
Administration	EGovernance department maintains data of student admissions
Finance and Accounts	Finance and Accounts department uses Tally Solutions. EGovernance is not used.
Student Admission and Support	EGovernance department maintains data of student admissions with all their personal as well as previous academic details and their entry exam details such as CET/COMED K etc.
Examination	EGovernance maintains Continuous Internal Assessment details such as syllabus for the test, attendance and marks of the students. Institution has separate examination software for overall conduction and evaluation.

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
2018	Dr N Rajeswari	EMBO Workshop on From Epigenome towards Epitranscriptome.	Cell Fate Choice 14 17 October, 2018 at Capri, Italy.	70000
2018	Nandakumar M B	SAE SUPRA professional society programme	SAE SUPRA professional society	13611

2019	Dr.H.K.Ramaraju	International workshop for coastal reservoirs in earthquake active area	Taiwan	50000
2018	Dr.Dinesha P.	5Day NBA workshop in SIT Tumkur during the month of July 2019	NBA / ISTE	3000
2019	Dr.K.G.Hemalatha	National Level Handson Training programme on SPSS and SPSS AMOS for Faculty and Research Scholars of Humanities, Management and Hospitality sponsored by SPSS South Asia.	MAHE,Manipal	12000
2019	Dr.K.G.Hemalatha	Future Skills(NASSCOM Initiative)	NASSCOM	12500
2019	Dr.Deepak.R	National Level Handson Training programme on SPSS and SPSS AMOS for Faculty and Research Scholars of Humanities, Management and Hospitality sponsored by SPSS South Asia.	MAHE,Manipal	12000
2019	Dr.Deepak.R	Future Skills(NASSCOM Initiative)	NASSCOM	12500
2019	Prof Roopa U	Future Skills(NASSCOM Initiative)	NASSCOM	12500
2019	Dr. V G Sangam	Management and ensuring safety of medical device	Indian Pharmacopoeia Commission	5200

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Emerging trends in mechanical engineering science		22/06/2018	22/06/2018	8	0
2018	Faculty Development Programme on Recent Advances in Nanotechnology for Sustainable World2018		19/06/2018	26/06/2018	30	0
2018	Machine Learning FDP and Workshop		07/08/2018	11/08/2018	40	0
2019	DISSEMINATION WORKSHOP FOR MSME'S ON ENERGY EFFICIENCY		28/02/2019	28/02/2019	2	0
2018	Workshop on question paper training		10/12/2018	10/12/2018	40	0
2019	FDP on Cloud and BIG DATA applications		16/01/2019	20/01/2019	40	0
2019	Current Research Trends in Civil Engineering		05/08/2019	09/08/2019	58	0
2018	Building Information Modelling - BIM		03/07/2018	07/07/2018	58	0

2019	3 Days Faculty Development Program on "Role of ARM processors in Industry applications"		07/03/2019	09/03/2019	23	0
2019	Six days Faculty Development Program on "INTERNET OF THINGS AND ITS APPLICATIONS" was conducted		05/08/2019	10/08/2019	12	0
2019	Two day workshop "Programmable Logic Controller and Supervisory control and Data Acquisition System"		26/04/2019	27/04/2019	2	0
2019	NBA criteria videos display by the college	NBA criteria workshop	22/07/2019	22/07/2019	50	13
2019	One week faculty development program on "Embedded systems and IOT applications"		26/07/2019	30/07/2019	8	0
2019	Artificial Intelligence and Machine Learning		12/08/2019	13/08/2019	3	0
2019	Moodle server Installation with maint	Moodle server Installation with maint	22/07/2019	23/07/2019	0	2

	enance and basics of Networks	enance and basics of Networks				
2019	OneDay MDP on "TableauSimplifying Visualization"		13/04/2019	13/04/2019	11	0
2019	"Applications of Machine Learning and Artificial Intelligence for Mechanical Engineering Sciences" (AMAMS2019)		16/01/2019	20/01/2019	70	0
2019	One week Faculty Development Program "Emerging Trends and Innovations in Mechanical Engineering Sciences		18/07/2019	23/07/2019	70	0
2019	FDP	English fluency learning	17/06/2019	21/06/2019	0	3
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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
One week Faculty Development Program "Emerging Trends and Innovations in Mechanical Engineering Sciences	42	18/07/2019	23/07/2019	7
Computational	2	15/07/2019	21/07/2019	8

Science in Engineering in RVCE, Bangalore				
IOT IT's APPLICATIONS	21	04/08/2019	12/08/2019	8
Embedded system and IoT applications	4	26/07/2019	30/07/2019	5
Analog VLSI Design	2	24/06/2019	28/06/2019	5
Simulation capabilities of WAVE software	1	30/05/2019	31/05/2019	2
LATEX	1	23/02/2019	25/02/2019	3
NEURAL NETWORK,ML,DL ITS APPLICATION	21	25/02/2019	27/02/2019	3
RF Circuit Design	1	28/01/2019	29/01/2019	2
IOT - Trends Opportunities	1	04/07/2019	05/07/2019	2
INTERNET OF THINGS	2	18/06/2019	23/06/2019	6
Effective teaching pedagogies	3	15/06/2019	15/06/2019	1
An overview of teaching techniques in turbomachines	2	22/07/2019	26/07/2019	5
Emerging trends innovation in mechanical engineering sciences	9	18/07/2019	23/07/2019	7
SAE SUPRA professional society program	1	15/07/2019	20/07/2019	6
Emerging trends in mechanical engineering science	8	26/07/2018	04/08/2018	9
Seven Days Faculty Development Programme on Recent Advances in Nanotechnology for Sustainable World2018	8	19/06/2019	26/06/2019	7

DSTNIMAT Facilitation workshop	1	19/12/2018	19/12/2018	1
One week Training program for teachers on Machine learning and Deep learning with Python programming	1	22/07/2019	26/07/2019	5
Short term training program on "Control of power electronic converters for smart power systems "	1	15/07/2019	20/07/2019	6
One week faculty development program on "Embedded systems and IOT applications"	8	26/07/2019	30/07/2019	5
Naional Symposium on Emerging Trends in Industry Safety and Health	1	04/07/2018	04/07/2018	1
FACULTY DEVELOPMENT PROGRAMME "Recent Trends in Applied Sciences with Engineering Applications	40	26/12/2018	30/12/2018	5
Sapthagiri College of Engineering - FDP on Data Analytics	1	27/07/2018	31/07/2018	5
BNMIT Faculty on New Model Curriculum at VTU, Belagavi	1	06/08/2019	06/08/2019	1
Infosys, Bangalore 5days webinar FDP	1	07/01/2019	11/01/2019	5

Department of ECE, Gopalan College of Engineering and Management, Bangalore. Invited Talk	1	13/11/2018	13/11/2018	1
BMSCE IEEE sponsored International Conference on Networking, Embedded and Wireless Systems organized Bangalore	1	27/12/2018	28/12/2018	2
Indian Green Building Congress Workshop	1	31/10/2018	03/11/2018	4
Six days Faculty Development Program on " INTERNET OF THINGS AND ITS APPLICATIONS"	8	04/08/2019	09/08/2019	7
3 Days Faculty Development Program on "Role of ARM processors in Industry applications	11	21/02/2019	23/02/2019	3
BMSCE IEEE sponsored International Conference on Networking, Embedded and Wireless Systems organized Bangalore	1	27/12/2018	28/12/2018	2
Indian Green Building Congress Workshop	1	31/10/2018	03/11/2018	4
Six days Faculty Development Program on " INTERNET OF THINGS AND ITS	8	04/08/2019	09/08/2019	6

APPLICATIONS"				
3 Days Faculty Development Program on "Role of ARM processors in Industry applications"	11	21/02/2019	23/02/2019	3
FiveDays Hands Training on SPSS and AMOS, MAHEManipal	2	27/05/2019	31/05/2019	5
Application of Machine learning on Large Datasets	1	01/03/2018	01/03/2018	1
MSME An Engine for growth of Indian Economy" conducted by Confederation of Indian Industry (CII)	3	07/02/2018	07/02/2018	1
EFMD, SDM Mysore	1	17/04/2018	17/04/2018	1
Research Methods and Data Analysis using IBMSPPSS and AMOS	2	14/11/2018	16/11/2018	3
Five Day FDP on Artificial Intelligence	10	07/08/2018	11/08/2018	5
Five days FDP on Cloud and Big data Applications	10	16/01/2018	21/01/2018	6
One week Training program for teachers on Machine learning and Deep learning with Python programming	1	22/07/2019	26/07/2019	5
Short term training program on "Control of power electronic converters for smart power	1	15/07/2019	20/07/2019	6

systems "				
One week faculty development program on "Embedded systems and IOT applications"	8	26/07/2019	30/07/2019	5
National Symposium on Emerging Trends in Industry Safety and Health	1	04/07/2018	04/07/2018	1
FDP on Applications of Machine Learning and Artificial Intelligence for Mechanical Engineering Sciences	8	16/01/2019	21/01/2019	7
Workshop on Innovation, Artificial Intelligence and Manufacturing StartUps	1	15/02/2019	15/02/2019	1
FDP on Work Place Ergonomics	1	01/07/2019	13/07/2019	13
FDP on Emerging Trends and Innovations in Mechanical Engineering Sciences	1	18/07/2019	23/07/2019	7
FDP on Industry 4.0 and its impact on Education	2	18/03/2019	23/03/2019	6
Recent trends in Applied Mathematics with Engineering Applications(FDP	17	21/08/2019	23/08/2019	3
A five day faculty development program on Emerging Trends	45	26/06/2018	30/06/2018	5

in Science for Engineering Applications				
Lecture series on Fluid Mechanics	17	23/01/2019	25/01/2019	3
One day workshop on "Fast computational Technique" by FACE	60	16/10/2018	16/10/2018	1
Digital Analytics Community (DAC) meetup at Flipkart	6	26/04/2019	26/04/2019	1
FiveDays Hands Training on SPSS and AMOS, MAHEManipal	2	27/05/2019	31/05/2019	5
Application of Machine learning on Large Datasets	1	01/03/2018	01/03/2018	1
MSME An Engine for growth of Indian Economy" conducted by Confederation of Indian Industry (CII)	3	07/02/2018	07/02/2018	1
EFMD, SDM Mysore	1	17/04/2018	17/04/2018	1
Research Methods and Data Analysis using IBMSPPS and AMOS	2	14/11/2018	16/11/2018	3
Five Day FDP on Artificial Intelligence	10	07/08/2018	11/08/2018	5
Five days FDP on Cloud and Big data Applications	10	16/01/2018	21/01/2018	7
Applications of Machine Learning and Artificial Intelligence for Mechanical Engineering	42	16/01/2018	20/01/2018	6

Sciences" (AMAMS2019)				
Karnataka Tech Entrepreneurshi p Summit	1	14/02/2019	16/02/2019	3
Seminar on Research Publications, Grants and IPR	4	08/03/2019	08/03/2019	1
Short term training program on "Design of Engines for Emission Compliance"	1	17/04/2018	21/04/2018	5
APPLICATION of machine learning artificial intelligence for mechanical engineering sciences	11	16/01/2019	20/01/2019	5
Autodesk fusion 360	2	19/12/2018	23/12/2018	5
Introduction to CATIA design tool	5	09/07/2018	14/07/2018	6
FDP on Applications of Machine Learning and Artificial Intelligence for Mechanical Engineering Sciences.	6	16/01/2019	21/01/2019	6
Workshop on Inn ovation,Artific ial Intelligence and Manufacturing StartUps	1	15/02/2019	15/02/2019	1
FDP on Work Place Ergonomics	1	01/07/2019	13/07/2019	13
FDP on Emerging Trends and Innovations in Mechanical Engineering Sciences	1	18/07/2019	23/07/2019	6

FDP on Industry 4.0 and its impact on Education	2	18/03/2019	23/03/2019	6
Recent trends in Applied Mathematics with Engineering Applications(FDP)	17	21/08/2019	23/08/2019	3
A five day faculty development program on Emerging Trends in Science for Engineering Applications	45	26/06/2018	30/06/2018	5
Lecture series on Fluid Mechanics	17	23/01/2019	25/01/2019	3
One day workshop on "Fast computational Technique" by FACE	60	16/10/2018	16/10/2018	1
Digital Analytics Community (DAC) meetup at Flipkart	6	26/04/2019	26/04/2019	1
Applications of Machine Learning and Artificial Intelligence for Mechanical Engineering Sciences" (AMAMS2019)	42	16/01/2018	20/01/2018	5
Karnataka Tech Entrepreneurship Summit	1	14/02/2019	16/02/2019	3
Seminar on Research Publications, Grants and IPR	4	08/03/2019	08/03/2019	1
Short term training program on "Design of Engines for Emission	1	17/04/2018	21/04/2018	5

Compliance				
Technology Day" organised at DMG MORI company in association with Autodesk and Siemens	2	20/05/2019	20/05/2019	1
Robotics and Artificial Intelligence	2	24/06/2018	26/06/2018	3
Research Methodologies and Latex	9	19/06/2019	21/06/2019	3
TEQIP 1.3 sponsored five days faculty development program on "Implementation of Outcome Based Education in Higher Educational Institutions"	1	08/07/2019	12/07/2019	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
141	73	51	23

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
ESI, Health Insurance, Maternity leave, Provident Fund, Gratuity, Yearly increments	PF, ESI, Health Insurance, Maternity leave, Provident Fund, Gratuity, Yearly increments	Medical facility, Insurance

6.4 – Financial Management and Resource Mobilization

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

<p>Yes, Internal audit will be done by the management annually on the revenue generated and spent and same procedure will be done using external audit. Internal audit in the department is conducted and evaluated. The process of audit is done once in a semester. Department has to maintain budget information on cash inflow, stock information, cash spent etc. This information is subject to both internal and external audits. Institution level finance department takes care of overall budget maintenance of the college. This department also is subject to frequent internal audits and yearly external audit.</p>

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
DSCE	200000	Project Work
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6.4.3 – Total corpus fund generated

800000000

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	NBA, ISO, VTU, LIC, ISOI Audit,	Yes	Principal Internal committee
Administrative	Yes	ISO, ISOI Audit, NAAC, NBA, LIC	Yes	Principal, Internal committee, Management, Principal, PG Director

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

<p>Parent Teachers meeting will be conducted every semester to interact with parents and collect their feedback and inputs on curriculum Parents with the engineering discipline involve more in academic activities and come forward to participate in activities. Parents with the engineering discipline, also open doors to internship, project and placement opportunities for the students</p>
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6.5.3 – Development programmes for support staff (at least three)

<p>? Workshop on "Moodle Server Installation with Maintenance Basics of Networks" ? Five days Faculty Development Programme on "Effective Communication in English and Basic Computer Skills" and a hands on training on iTell tool ? Mahesh M R and Manjunath instructor attended technical training program conducted by Toyota</p>

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

<p>Academic cell emphasize on the following: ? Implementation of OBE Practice through Project based learning, Application and Problem Based learning, Innovative laboratory ? Through IQAC cell monitoring of Department activities, Institutional electives and cluster wise syllabus are introduced ? Preparation for Tier I NAAC is in progress ? For Identification of Curriculum Gaps, Industrial Conclave has been organised and collected inputs from industry and academic experts and introduced in the curriculum</p>

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	Date of	Duration From	Duration To	Number of
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	initiative by IQAC	conducting IQAC			participants
2018	Graduation Day	11/08/2018	11/08/2018	11/08/2019	1200
2018	Annual Alumni Day 2018	29/09/2018	29/12/2018	29/12/2018	500
2018	Furore 2018	05/04/2018	05/04/2019	06/04/2019	500
2018	Vibrations 2018	10/10/2018	10/10/2018	12/10/2018	500
2018	Academic Audit internal 2018	17/07/2018	17/07/2018	17/07/2018	11
2018	Annual Quality Assurance Report 2018	11/07/2018	11/06/2018	11/06/2018	3
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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
Womens Day	08/03/2019	08/03/2019	55	0
Furore - 2018	05/04/2018	06/04/2018	200	300
Marathon for drug addiction awareness	30/09/2018	30/09/2018	15	25
Vibrations - 2018	10/10/2018	12/10/2018	200	300
Sanitary vending machine installation at women rest room	26/05/2018	26/05/2018	15	0
Yoga day	21/06/2018	21/06/2018	50	50
Environment day	09/06/2018	09/06/2018	20	10

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

- Installation of solar panels on all the blocks in the institutions
- Installation operation of sewage treatment reverse osmosis plant
- Making the campus a green campus plastic free campus
- Conduction of frequent NSS awareness programme on various environmental issues, social aspects, and rural aspects.
- Nature club - 'Prakruthi', the nature club runs under Physics department, DSCE with objectives to plant trees in and around the college campus, to achieve cleaner and greener campus by educating the society about managing kitchen waste, to get attached with government/private bodies working

for the betterment of nature, to educate the youths about their roles and contributions for meeting the aims of the club, conducted a workshop on "Kitchen and terrace gardening for safe and balanced environment" on 110319 by Mr.Vishwanath P D (Officer, Horticulture department)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	200
Provision for lift	Yes	1000
Ramp/Rails	Yes	1000
Rest Rooms	Yes	1000

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	01/12/2019	5	Visit to Sagar Hospitals	Practical experer to students	62
2019	1	1	13/06/2019	5	NSS	Teaching the rural about the computing aspects and moming to control the Traffic by the as signment	20
2019	1	0	25/08/2018	1	Flood Relief fund (through NSS)	Natural Calamity financial support	30
2018	0	1	08/08/2018	1	SPANDANA	Education al Adoption for finan cially poor students	50
2018	0	1	09/10/2018	1	Blood Camp	Soceital Needs	55

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
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Code of Ethics (Based on IEEE code ethics)	02/07/2018	<ul style="list-style-type: none"> • Repeatedly announcing in the class to follow the code of ethics • Display at various prominent positions in the different files, corridors, notice boards, etc...
STUDENT HANDBOOK	14/08/2018	Every year student's handbook will be published with updated Rules and regulation and Calendar of events.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Water Day	22/03/2019	22/03/2019	2
Swacha Bharat	16/10/2018	16/10/2018	100
Blood Camp	09/10/2018	09/10/2018	55
Flood Relief Drive	16/08/2019	16/08/2019	60
ShramaDhanaShibira	06/10/2018	06/10/2018	70
Induction Programme Classes on Universal Human Values	15/08/2018	01/09/2018	1481
Talk on Universal Human Values for 1st year Students	05/05/2018	09/05/2018	1481
Induction Program for first year students	13/08/2018	30/08/2018	1481
International Yoga Day	21/06/2018	21/06/2018	100
UHV Classes	06/08/2019	10/08/2019	1481
Earth Day Sapling plant	22/04/2019	22/04/2019	25
Voting awareness campaign video	17/04/2019	17/04/2019	5

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

Campus is eco friendly with well maintained lush green lawns, trees and flowering plants. There is a rain water harvesting in the campus. Waste segregation and Disposal Facility. Green and clean India awareness program through NSS activities Hygienic and cleanliness maintenance facilities

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Institution continuously strives towards achieving excellence, hence each year innovative activities are encouraged. Some of the best practises to list: ? Project Open day: Best projects of all the departments are presented, evaluated and awarded/ ? Industry conclave: Industry Conclave to design the syllabus as

per the industry requirement. ? Mega Alumni meet: Every year mega alumni meet is conducted to get alumni involved in the college academic process ? Career and higher education counselling activities by International Knowledge Centre: Counselling program is conducted for interested students by foreign university counsellors ? Industry visits: To bridge the gap between industry and academia, at least 1 industry visit per semester for all the departments is encouraged ? Student innovation labs and clubs: Across the departments, student innovative labs and clubs are active, to name few, AIML innovation lab and Aikya student club ? Induction program for new admissions: First year students go through one week induction program where they are acquainted with the system, department and other team building, personality development activities. ? Virtual Tutorial Lab Elearning : E course contents are made available to the students ? Green engineering Community Development/ service programs: Conduction of social activities, taking students to frequent industrial trips so that the students gets practical exposure of what is happening in the industry. Spandana for donating stationary to the government schools, Blood donation etc.

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

<http://www.dsce.edu.in>

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

Institution has the vision to excel in education, research and training, and shape eminent leaders for the society. Working towards this institute has several distinctive practices. To list a few: ? As global education standards prefer outcome based education over the traditional methods. Working towards this, institution brought up several unique initiatives such as o New courses are crafted to map highly towards program outcomes and program specific outcomes o Application based learning and Problem based learning: Application and Problem based learning is implemented in theory and laboratory syllabus for applying the subject concepts learnt. Mini projects are also encouraged for suitable subjects. o Teaching Learning Process adopts new Information Communications Technology methods, to name a few, blended learning, Cooperative, collaborative learning etc. ? To enhance the research and developments, faculty and students are continuously encouraged to explore advanced research topics o Journal club at the institute level, hosts talks on recent innovations and technologies to encourage students to transform and research o Students projects/mini projects are continuously encouraged to be converted to research proposals o Institution also encourages global knowledge exchange programs, to send our faculty to abroad universities to learn and adapt technology

Provide the weblink of the institution

<http://www.dsce.edu.in>

8.Future Plans of Actions for Next Academic Year

In order to bring in Industry oriented Curriculum into practice,organizing Industry conclave by inviting experts from Industries and Research and Development organisations,arranging interactive sessions department wise to discuss the present curriculum and taking inputs from experts and fine tuning the curriculum. Organizing Faculty Development programs for up dating skill and knowledge of faculty Encouraging faculty research scholars to consolidate their research work by mentoring from senior faculty To encourage faculty to publish their research papers in reputed journals and conferences To bring in an awareness on IPR and filing patents on innovative ideas Have regular academic

audits and examination audits To introduce examination reforms in order streamline the process of conduction of examination and evaluation Introducing MOOCS and Internships To introduce Project work in pre final year in order to bring in the concept of project based learning Up gradation and strengthening of laboratories Organizing Seminars and workshops in various emerging areas To establish Industry connected collaborative labs and activity through various industries To have collaborative activity with other Institutions by organizing workshops and training sessions. To have increased professional society activity across various departments