



AQAR REPORT REVIEW

B. S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY

Aishe id : U-0445

Submitted for : 2019-2020

Submitted Date : 10/12/2021 05:18 PM

Reference AQAR Link : [Click here](#)

Over all Comments : The institution's AQAR has been considered.

Acceptance date : 15/12/2021



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	B. S. ABDUR RAHMAN CRESCENT INSTITUTE OF SCIENCE AND TECHNOLOGY
Name of the head of the Institution	Dr. A. Peer Mohamed
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04422750200
Mobile no.	7338885678
Registered Email	vc@bsauniv.ac.in
Alternate Email	director.aria@bsauniv.ac.in
Address	Seethakathi Estate, GST Road, Vandalur
City/Town	Chennai
State/UT	Tamil Nadu
Pincode	600048

2. Institutional Status																									
University	Deemed																								
Type of Institution	Co-education																								
Location	Semi-urban																								
Financial Status	private																								
Name of the IQAC co-ordinator/Director	Dr. A. ABUDHAHIR																								
Phone no/Alternate Phone no.	04422759218																								
Mobile no.	7338885678																								
Registered Email	vc@bsauniv.ac.in																								
Alternate Email	director.aria@bsauniv.ac.in																								
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)	https://crescent.education/aqar/																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	https://crescent.education/connect/staff/academics/academic-schedule/																								
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>3.08</td> <td>2014</td> <td>05-May-2014</td> <td>04-May-2019</td> </tr> <tr> <td>2</td> <td>A+</td> <td>3.33</td> <td>2021</td> <td>08-Feb-2021</td> <td>07-Feb-2026</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.08	2014	05-May-2014	04-May-2019	2	A+	3.33	2021	08-Feb-2021	07-Feb-2026
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
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1	A	3.08	2014	05-May-2014	04-May-2019																				
2	A+	3.33	2021	08-Feb-2021	07-Feb-2026																				
6. Date of Establishment of IQAC	02-Sep-2013																								
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																						

One day Faculty Development Programme on Effective Teaching Practice	07-Mar-2020 1	367
Motivational Training Programme for Non-Teaching Staff members	07-Feb-2020 1	140
Two Day International Conference on Electric HR Confab	19-Jul-2019 2	120
Orientation Programme for First Year UG and PG Students	10-Jul-2019 7	1731
IQAC Meeting with Internal	17-Jul-2019 1	29
IQAC Meeting with External Experts	18-Feb-2020 1	38
IQAC Meeting with External Experts	06-Aug-2019 1	29
NBA Accreditation for UG Programme B.Tech (Mechanical) and B.Tech (EEE)	30-Jan-2020 1	35
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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
Civil Engineering	MODROB	AICTE	2020 730	10
Civil Engineering	STTP	AICTE	2020 90	3
Computer Science and Engineering	STTP	AICTE	2020 90	2
Civil Engineering	RPS	AICTE	2020 1095	2
Electronics & Communication Engineering	STTP	AICTE	2020 90	3.25
Information Technology	STTP	AICTE	2020 90	3
Management Studies	RPS	AICTE	2019 730	4.38
Mechanical Engineering	Biogas Plant Implementation Scheme	CSIR - CLRI	2019 365	21.7

Life Sciences	WOS-B	DST	2019 1095	30.34
ECE	TARE	SERB	2019 1095	18.3
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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 :	2
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)
<ul style="list-style-type: none"> • Crescent LMS, a customized moodle platform to work with various activities such as submission of attendance by student during the online class, assignments, chats, feedback, survey, files, folder, submission of class notes, video lectures, project submission, etc., enabling online automated teaching learning process • Crescent seed money scheme to encourage faculty members, research scholars and students to carry out preliminary research work. • Crescent Innovation Incubation Council (CIIC) has been established as a Section 8 not for profit company and will act as a "One Stop Shop - Technology Business Incubator (TBI)" for Startups. CIIC facilitates entrepreneurial innovative ecosystem to all the stakeholders including the students, faculty, industry, investors and society at large • Adopted six villages namely Kattur, Karasangal, Vembudu, Manimangalam, Arungal Keerapakkam under Unnath Bharath Abiyan scheme of GoI and conducted various activities such as health checkups, legal aids, training for self employment, cleaning, sanitation, Lok Sabha election orientation programme, food adulteration awareness programme, Drug free India campaign, Voters day awareness, etc. • Estate maintenance of the campus with zero solid and biowaste and pollution, recycling and water harvesting, among others one of the most scientifically managed units with sustained leadership

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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
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Plan of Action	Achivements/Outcomes
To install CCTV camera	CCTV cameras installed in COE office and monitored in central control room and COE mobile
Secured access control using Biometric, RFID Tag and pin	Installed secured access control using biometric, RFID and pin
To conduct events like hackathon, learnaton competitions to help students get into industries	Conducted Internal Smart India Hackathon and enrolled students in SIH 2020. One team made upto the semifinals
Pre-assessment - Initiative to bring the potentials of the students through skill test by external trainers	Pre-assessment was conducted for students and training started on aptitude, coding,
To improve h index	H index has been improved from 39 (2018) to 52 (2020)
Conduct of various value added programmes to improve the enrolment of students	Total number of value added courses enrolled : 122 Total number of students enrolled : 5215
Introduction of new programmes in recent advances in science and technology	Five New Programmes have been introduced. 1. B.Tech. Artificial Intelligence & Data Science) 2. B.Tech CSE (Cybersecurity) 3. B.Tech CSE (IOT - Internet of Things) 4. MBA Strategy Focus 5. M.Com.
Aim for attainment of at least 80% pass percentage in all the courses offered by the Institution across departments / schools.	Incremental Increase in Pass percentage is attained in almost all the programmes (except V & IX semester B.Arch.) offered in the Institution, in the Odd semester 2019-20, compared to odd semester of 2018-19. The overall Pass % in different programmes are as given below: Name of the Programme Pass % 2018-19 (odd semester Pass % 2019-20 (odd semester B.Tech 66% 77% B.Arch & B.Des 83% 84% BCA,B.Com,BBA,B.Sc,B.Pharm 65% 73%
Reducing the 'I' grade in courses offered by the institution by at least 20% as compared to earlier academic year.	Target achieved. There is a significant reduction of 'I' grade in courses up to 60% as compared to AY 2018-19.
Providing open source software based value added courses to at least 50 of the students in the Institution.	Target Achieved. More than 50 of students pursued open source based value added software courses through IIT Bombay ST.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Board of Management	07-Jul-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	30-Jan-2020
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	06-Apr-2020
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)	The MIS, TCS iON, which is in place, has automated the academic and administrative activities of the institution effectively since December 2017. TCS iON Digital campus solution comprises a suite of offerings that supports the academic and administrative process. The product provides flexibility to automate functions according to requirements. In addition, modules such as Admission, Academics, Examination, Employee Management, Infrastructure Management, Transport Management, Hostel Management, Payroll management, library, and Finance Management are available.

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
BTech	CE	Civil Engineering	17/09/2019
Mtech	CEPM	Construction Engineering and Project Management	17/09/2019
Mtech	SE	Structural Engineering	17/09/2019
BTech	ME	Mechanical Engineering	17/09/2019
BTech	AU	Automobile Engineering	17/09/2019

BTech	EE	Electrical and Electronics Engineering	17/09/2019
BTech	CSE	Computer Science and engineering	17/09/2019
Mtech	IT	Information Technology	17/09/2020
BTech	BT	Bio Technology	17/09/2020
MSc	MBT	Microbiology	17/09/2020
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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
Mtech	Computer Science and Engineering	10/07/2019	CSDY020-Agile Software Development	17/09/2019
Mtech	Information Technology	10/07/2019	ITD6202-Machine Learning	17/09/2019
MCA	Computer Applications	10/07/2019	CAD6202 - Propability and Statistics	17/09/2019
Mtech	VLSI and embedded Systems	10/07/2019	ECD 6222 - Analog Integrated Circuit Design	17/09/2019
BCom	B.Com Hons.	10/07/2019	COC1121 - Basic of Financial Accounting	17/09/2019
BBA	BBA General	10/07/2019	LNC1182 - German I	17/09/2019
BA	BA English	10/07/2019	ENC1133 - English Literature	17/09/2019
BA LLB	BA LLB (Hons.)	10/07/2019	BLD1101 - Law & Language	17/09/2019
Mtech	Avionics	10/07/2019	MAD6185 - Advanced Applied Mathematics	17/09/2019
BTech	Computer Science and Engineering	10/07/2019	CSC 3121 - Essentials of Software Engineering using IBM RSA	17/09/2019
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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
PGDBM	PGDM	10/07/2019
Mtech	M.Tech (Avionics)	10/07/2019
BA LLB	BA LLB (Hons)	10/07/2019
BA	B.A. English (Hons)	10/07/2019
BBA	BBA (Entrepreneurship & Family Business)	10/07/2019
BBA	BBA (General)	10/07/2019
BCom	B.Com (Hons)	10/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MBA	Business Administration	10/07/2019
MA	Islamic Studies	10/07/2019
PGDBM	PGDM	10/07/2019
MSc	Actuarial Science	10/07/2019
BBA	Entrepreneurship and Family business	10/07/2019
BBA	Null	10/07/2019
BCom	Hons	10/07/2019
BA	English (Hons)	10/07/2019
BA LLB	LLB	16/07/2019
MCA	Master of Computer Applications	10/07/2019
MSc	Biotechnology	10/07/2019
MSc	Microbiology	10/07/2019
BTech	Civil Engineering	10/07/2019
BTech	Aeronautical Engineering	10/07/2019
BTech	Automobile Engineering	10/07/2019
BTech	Mechanical Engineering	10/07/2019
BTech	Biotechnology	10/07/2019
BCA	Computer Applications	10/07/2019
BSc	Computer Science	10/07/2019
BDes	Interior Design	10/07/2019
BCom	B.Com General	10/07/2019
Mtech	Structural Engineering	10/07/2019
Mtech	CEPM	10/07/2019

BTech	Polymer Engineering	10/07/2019
BTech	Electrical and Electronics Engineering	10/07/2019
BTech	Electronics and Communication Engineering	10/07/2019
BTech	Computer Science and Engineering	10/07/2019
BTech	Electronics Instrumentation Engineering	10/07/2019
BTech	Information Technology	10/07/2019
BArch	Architecture	10/07/2019
BA	Islamic Studies	10/07/2019
BCom	Accounts & Finance	10/07/2019
BBA	Financial Services	10/07/2019
BPharm	Pharmacy	10/07/2019
BCom LLB	Hons	10/07/2019
Mtech	Manufacturing Engineering	10/07/2019
Mtech	Computer Science and Engineering	10/07/2019
Mtech	Information Technology	10/07/2019
Mtech	Communication Systems	10/07/2019
Mtech	Biotechnology	10/07/2019
BSc	Biotechnology	10/07/2019
MSc	Biochemistry & Molecular Biology	10/07/2019
MArch	Architecture	10/07/2019
MSc	Physics	10/07/2019
Mtech	CAD- CAM	10/07/2019
MSc	Chemistry	10/07/2019
Mtech	Avionics	10/07/2019

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
ARDUINO	01/07/2019	426
CERTIFIED LABVIEW ASSOCIATE DEVELOPERS	03/09/2019	15
Harvard business School Publishing online certificates	11/11/2019	29
NISM certificate Course on securities Market	14/10/2019	15

Value added training programme on "Surveying-Hands on Training in Total Station and GPS"	17/09/2019	51
Value Added Training Programme on Non - Sewered sanitation an important link for sanitation solutions in urban India	27/09/2019	30
Short Term Training Programme on Digital Project Management Using BIM	21/01/2020	30
Red Hat Certified System Administrator	02/03/2020	25
Industrial Robotics , Artificial intelligence and Service Robotics - Prag Robotics	12/06/2020	64
Harvard business School Publishing online certificates	27/04/2020	120
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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
BTech	Life Sciences	167
BTech	EEE	29
BTech	CSE	3
BTech	Mechanical	74
BTech	IT	3
BPharm	Pharmacy	59
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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
The Institution follows a structured feedback mechanism. The feedback is received from stakeholders (online/ offline) in different formats

/avenues/forums, viz., • Students feedback (during the period of study in all the courses): Level I: about the teacher Level II: about the course • Class committee meetings • Feedback from outgoing students (Final year students) • Feedback from Parents (Parent-Teacher Meeting) • Feedback from faculty members about Regulations and Curriculum • Feedback from Expert members of various statutory bodies of the Institution • Feedback from Alumni • Feedback from Employers • Academic Administrative audit on departments / schools / divisions / estate office etc. • Feedback from ISO audit • Online feedback from stakeholders (Students, Parents, Staff (Teaching Non-teaching), Alumni, Employers) • Feedback from Competent Statutory Authorities (UGC, NBA, NAAC, PCI, BCI, CoA, etc.) The feedback mainly emphasizes on Academic and Administrative Perspective ? Academic Areas of Concern Academic-related feedback received from students, faculty, and other stakeholders are collated department-wise and accordingly taken care of during major revision of regulations, curriculum syllabus modification/revision of syllabus of courses improving infrastructure facilities offering value-added courses, the introduction of skill-based elective courses, etc. ? The Office of Dean, Academic Affairs takes care of curriculum, and regulations-related feedback and accordingly changes the curricular framework (during major revision) and brings amendments in the regulations. ? Necessary amendments requiring immediate attention are solved on a need basis (within ten days) after getting approval from Vice-Chancellor. Later these items are presented before statutory bodies for ratification. Academic-related matters are approved/ratified in the IQAC, PMB, and Academic Council based on nature. The Administrative areas of concern are: ? The administrative grievances are classified into various categories based on need, time-bound, and execution after consent from the Planning and Monitoring Board and Board of Management. ? Emergency and Need-based works are completed within a time frame of one week. ? Time-bound activities are completed within a time frame of 1 - 3 months. ? Based on feedback reports, the Administration-related matters are approved/ratified in the PMB, Academic Council, and Board of Management.

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
BTech	Civil Engineering	60	68	39
BArch	Architecture	80	367	73
BPharm	Pharmacy	60	194	44
BSc	Computer Science	80	243	80
BCom	General	240	690	229
BBA	Entrepreneurs hip & Family Business	30	26	8
Mtech	CAD-CAM	18	14	6
MBA	Management Studies	120	327	120
MCA	Computer Applications	120	137	102

MSc	Actuarial Science	20	45	16
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1824	437	312	78	58

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
448	448	20	156	47	19

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

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

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

B.S. Abdur Rahman Crescent Institute of Science and Technology provides a holistic mentoring system for the betterment of students. The mentoring system takes care of in-house academic development, solutions to personal problems, the opportunity for career advancement, motivation towards innovation, etc. The following members are involved in the mentoring of the students:

- A faculty member is nominated by the Head of the Department to act as Class advisor.
- Class advisor maintains the record of details such as attendance, academic performance, curricular and co-curricular activities, individual counselling, interaction with parents, etc., of students throughout their period of study in a systematic way.
- Class advisor develops a cordial relationship with students of the class and plays a vital role in motivating potential students, identifying weak students and arranging for counselling, taking forward academic, personal, career-related student requirements to the Head of the Department.
- Also helps the students for registration of courses and enrolment every semester.
- However, the first-year coordinator nominates the class advisor and faculty advisors for the first-year alone.
- The Head of the Department nominates one faculty for every 20 students to act as Faculty Advisor.
- Faculty advisor monitors students overall progress under their control and offers personal counselling to the students.
- In addition to academic matters, the faculty advisor identifies the personal issues that hinder students academic growth.
- If required, a meeting of the student with the Professional Counsellor is arranged in coordination with the class advisor.
- For both theory and laboratory courses, the course teacher provides necessary teaching material.
- In theory course, lecture notes in the form of handwritten notes / printed notes / soft copy in the form of PDF are issued to the students and effective teaching using modern teaching aids.
- In laboratory course, course teacher offers personal care in explaining concepts behind the experiments by citing industrial application areas
- The HOD and Dean of School monitor the academic activities happening in the department, ensure the proper functioning of various levels of mentoring offered to the students and mentoring support systems.
- Based on the need, they counsel/advise/motivate the students individually / collectively to improve academic performance and achievements.
- They also coordinate with higher officials of the Institution and also parents in helping/solving student-related problems whenever the need arises.
- The Institution has appointed a professional counsellor to offer to counsel to needy students.
- The Class Advisor / Faculty Advisor and the Head of the Department appraise the issue of the students to the professional counsellor and recommend counselling.
- If required, the parent of the student is called for an appraisal of the problems faced by their ward and suitable remedial measures are suggested.
- Apart from the above individuals, Students Grievance Redressal Cell is also formed through which complaints received from students are discussed and resolved. The complaints can be registered online at the given link: <https://crescent.education/student-grievances/>.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6662	448	1:15

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
114	114	Nil	114	45

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
2020	Ms. A. Sonya	Assistant Professor	Doctor of Letters (D.Litt), World Classical Tamil University
2020	Dr.V.Sowmya lakshmi	Assistant Professor	Pharma Quiz-2020 (on the occasion of World Environment Day)
2019	Dr. Haider Yasmeen	Professor	Chartered Management Institute, UK
2019	Dr. B. Vijayalakshmi	Professor	Certificate of Achievement/ Classle Skillnet in association with Madra/Chennai Chapters of IEEE Computer Society
2019	Mr. Sadhish Prabhu	Assistant Professor	Innovation Ambassador /IIC , MHRD
2019	Dr. A. Muthu Manokar	Assistant Professor	Academic Professional Icon Award, IEI TVLC 3rd Annual General Meeting and TISLA Award by The Institution Of Engineers India, Thiruvalluvar Local Center
2019	Mr. S.Karthikeyan	Assistant Professor	Best paper Award - 2nd Position Chandigarh University (Punjab)
2019	Dr.R.Jayashree	Professor	Received a cash award of Rs 20,000

			and Certificate under Research Incentive Award to publish paper in Elsevier
2019	Dr.A.Shahin Sultana	Professor	Received Extra Milestone Award for Continuous Excellence Cambridge Assessment English.
2019	Dr. I. Sathik Ali	Associate Professor	All India Topper (1) in the NPTEL course on Accreditation and Outcome based Learning and secured Elite Gold Medal.
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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
BTech	EE	5	13/12/2019	24/12/2019
BTech	AU	7	13/12/2019	24/12/2019
Mtech	MNE	1	13/12/2019	24/12/2019
BTech	AE	1	13/12/2019	24/12/2019
Mtech	SE	1	13/12/2019	24/12/2019
Mtech	CEPM	1	13/12/2019	24/12/2019
BTech	CE	1	13/12/2019	24/12/2019
Mtech	VLSI	3	13/12/2019	24/12/2019
Mtech	CSEN	3	13/12/2019	24/12/2019
BTech	PE	5	13/12/2019	24/12/2019
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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
142	6930	2.049

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://crescent.education/university/schools/school-of-mechanical->

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
CS	BTech	Computer Science and Engineering	164	161	98.17
EE	BTech	Electrical and Electronics Engineering	44	37	84.09
PE	BTech	Polymer Engineering	19	18	94.74
ME	BTech	Mechanical Engineering	203	195	96.06
CE	BTech	Civil Engineering	84	76	90.48
SE	Mtech	Structural Engineering	10	9	90
VLSI	Mtech	VLSI	5	5	100
CS	Mtech	CSE	1	1	100
IT	Mtech	Information Technology	2	2	100
BIO	Mtech	BioTechnology	5	5	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://crescent.education/stakeholders-feedback/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – 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
National	Dr. S.Sharon Priya	Appreciation - IIT Spoken Tutorial Project	22/03/2019	IIT, Bombay
National	Dr.M.Asha Jhonsi	Teacher Associateship for Research	01/03/2019	SERB

		Excellence		
National	Dr. Muthu Manohar	Tisla Ambition and Achievement award (Institution of Engineers India)	09/09/2019	IE India
National	Mr. Sivakumar	Champion Tractor Design Competition	09/09/2019	SAE India
National	Mr. A. Varunkumar	Contribution towards SAEISS for Tractor	09/09/2019	SAE India
National	Mr. Bala Srinivasan	Contribution towards SAEISS for Tractor Design Competition 2019	09/09/2019	SAE India
International	Asif Khan	Scientific Research Award	01/08/2019	National Natural Science Foundation of China (Grant No. 61370073)
International	Asif Khan	Scientific Research Award	01/01/2020	National High Technology Research and Development Program of China (Grant No. 2007AA01Z423)
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Mr. Syed Javeed Pasha	1095	BSACIST
Mr. Mohsin Fayaz	1095	BSACIST
Mr. Nuzhat Ahmad Yatoo	1095	BSACIST
Ms. Rosina Begam	1095	BSACIST
Ms. Ayesha begum	1095	BSACIST
Mr. Maruthupandi	1095	BSACIST
Mr. Mohammad Umar	1095	BSACIST
Mr. K.K. Yaswanth	1095	BSACIST
Mr. Saravanan. P	1095	BSACIST
Mr. MD. Wajid Khan	1095	BSACIST

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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
Students Research Projects (Other than compulsory by the University)	365	Tamil Nadu State Council for Science and Technology (TNSCST)	0.08	0.08
Students Research Projects (Other than compulsory by the University)	365	Tamil Nadu State Council for Science and Technology (TNSCST)	0.08	0.08
Projects sponsored by the University	365	BSACIST Crescent Seed Money Scheme	0.4	0.25
Projects sponsored by the University	365	BSACIST Crescent Seed Money Scheme	0.45	0.45
Industry sponsored Projects	365	M/s. Jasmin Infotech	40	40
Industry sponsored Projects	365	UNWIND Learning Lab	7	1.4
Major Projects	730	All India Council of Technical Education (AICTE)	10	8
Major Projects	1095	All India Council of Technical Education (AICTE)	2	1.97
Minor Projects	90	All India Council of Technical Education (AICTE)	3.25	2.75
Minor Projects	90	All India Council of Technical Education (AICTE)	2	2

[View File](#)

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
Wireless Communication in Industry-: Practical Examples	Electronics and Communication Engineering	24/07/2019
Demystifying the cyber security space	Electronics and Communication Engineering	19/09/2019
One Day workshop on Two Wheeler Maintenance in association with TVS Motors, Mahindra Mahindra	Automobile Engineering	13/02/2020
Robotics Artificial Intelligence	Electrical and Electronics Engineering	29/07/2019
Clean Energy Options Role of Nuclear Power	Electrical and Electronics Engineering	23/09/2019
Mipower Software	Electrical and Electronics Engineering	10/10/2019
Energy, Oil Gas Conservation - Saksham 2020	Electrical and Electronics Engineering	31/01/2020
Operation and Maintenance of Roof Top Solar PV Practices	Electrical and Electronics Engineering	10/02/2020
Artificial Intelligence with MATLAB	Electrical and Electronics Engineering	07/05/2020
Communication Personality Development	Computer Science and Engineering	29/08/2019
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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
MECHATHON RACE 2019	Mr. Sivamagadev, Mr. Ranjith Kumar, Mr. Sridhar, Mr. Suhail Diaudin Syed, Mr. Varun	Strate School of Design France	12/12/2019	First Prize
SAE TRACTOR DESIGN COMPETITION	25 Students	SAE	08/01/2019	Second Prize
Best Teacher award in 2019	Dr. Gufran Ahmad Ansari	Taj Lands Ends, Mumbai, India	22/11/2019	Dewang Mehta National Education Award
Best E-Poster Award	Keerthana Priya R and Raghunathan, Third year, B.Arch (Batch: 2017-22)	Association of Cancer Education and Research (ACER), School of Life Sciences,	27/06/2020	Best E-Poster Category, International Conference on Basic and Translational Cancer

		B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai, India, in collaboration with W.M Kevk Center for Cellular Imaging, University of Virginia, USA and		Research: Novel ideas and approach (ICBTCT-2020)
Best Thesis Award	Ram Pandi -Final year, B.Arch (Batch : 2014-2019)	NIASA-2019	18/08/2019	Best Thesis
Best Studio Award	Rameez Althaf, Pooja Prasad Naveen Kumar, Final year, B.Arch (Batch:2015-2020)	Transparence -14.0 by ethos	22/01/2020	Best Studio Project
Building of the year-2020Award, Selected among the top 5 projects in the world	Crescent school of Architecture	Archdaily	11/02/2020	Educational Category
E Waste Concrete	Dr.P.Gajalaks hmi	B.Abdur Rahman Crescent Institute of Science and Technology	05/09/2019	Research Incentive
FRP Composite	Dr.J.Revathy	B.Abdur Rahman Crescent Institute of Science and Technology	05/09/2019	Research Incentive
Best Teacher award	Dr. M.Mohamed Sheik Sirajuddeen	B. S. Abdur Rahman Crescent Institute Of Science And Technology	05/09/2020	Best Teacher
View File				

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
1	CRESCENT INNOVATION	BIRAC / EDII	Onium Life Sciences Pvt	Mobility Transport	12/07/2019

	INCUBATION COUNCIL		Ltd		
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	AGRIT GREENHOUSE SOLUTIONS PVT LTD	Agri Cleantech	12/07/2019
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	Precise 3D	Mobility Transport	01/07/2019
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	SCADA Geoinformatics Pvt. Ltd	Med Tech	12/07/2019
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	We got Utility Solutions Pvt Ltd	Agri Cleantech	12/07/2019
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	Kankyo Cleantech India Pvt Ltd	Agri Cleantech	15/07/2019
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	Farmagain Agro Pvt Ltd	Agri Cleantech	24/07/2019
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	Rekindle Automations Pvt Ltd	Med Tech	12/07/2019
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	MADIEE Games Pvt Ltd	Industry 4.0	12/07/2019
1	CRESCENT INNOVATION INCUBATION COUNCIL	BIRAC / EDII	Aindra Labs Pvt Ltd	Artificial Intelligence	24/07/2019

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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
Computer Applications	1
Chemistry	1
CSE	2
ECE	3
EEE	2
EIE	1
English	1

Islamic	1
IT	1
Mgt Studies	1
Mechanical	3
Physics	3
SLS	1
Civil	1
Physics	3
EEE	2

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)
National	Management Studies	2	0
National	Chemistry	2	0.3
International	Automobile Engineering	8	1.4
International	Electrical and Electronics Engineering	11	1.21
International	CSE	15	0.24
International	Aerospace Engineering	6	0.16
International	Mechanical Engineering	67	1.12
International	Management Studies	12	0
International	Chemistry	39	2
International	Crescent School of Architecture	1	0
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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
Physics	3
Civil	1
Crescent School of Architecture	3
COMPUTER APPLICATION	3
Management Studies	3
EIE	1
Automobile Engineering	1
Electrical and Electronics Engineering	8

CSE	1
Mechanical Engg	24
View File	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Porous Hydrophobic polymer composite for separation of Oil from Oil spills in water and preparation method thereof	Published	346378	09/09/2020
Heat treatment method for Magnesium- Zinc-copper (ZC71) Alloy and composites	Published	201641029056	30/09/2016
Method Of Disengagement And Engagement Of Auxillary Devices With Engine Drive Unit	Published	201741013529	28/04/2017
Electrical Insulation Characteristics Of Silicone And Epdm Polymeric Blends Compounds	Published	201641026589	19/08/2016
A Method For Acquiring Quality Of Service And Quality Of Experience Parameter Of Paas Cloud Renderfarm Services	Published	201641025966	19/08/2016
A Method For Overcoming Cold Start Problem In Recommending Cloud Services	Published	201641025965	19/08/2016
Myconano particles suppress the colonization of plant pathogenic fungi	Published	201941050983	20/12/2019
Endophytic nanoparticles as an alternative to antibiotics to	Published	201941050982	10/12/2019

control pathogenic bacteria			
Endophytic nano particles suppress biofilm formation in human pathogens	Published	201941050981	20/12/2019
A new process for preparation of self-reinforced thermoplastic micro and nanofiber polyamide composite system	Published	328435	30/12/2019
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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
Aerodynamics of Drones with Auxetic Landing Gears during perching conditions	Magesh.M ,Jawahar.P .K	International Journal of Innovative Technology and Exploring Engineering	2019	0.3	BSACIST	Nil
An Application based Efficient Thread Level Parallelism Scheme on Heterogeneous Multicore Embedded System for Real Time Image Processing	K Indragandhi, Jawahar P K	Scalable Computing: Practice and Experience	2020	0.18	BSACIST	Nil
Cross centric intrusion detection system for secure routing over black	R.Priyadarshini N. Rajendran, P.K.Jawahar	Computer Communications	2019	1.547	BSACIST	2

hole attacks in MANETs						
Advanced Optimization by Profiling of Acoustics Software Applications for Interoperability in HCF Systems	V Jean Shilpa, PK Jawahar	Journal of Green Engineering	2019	0.18	BSACIST	2
Identification and Characterization of Choroidal Neovascularisation using e-Health data through an optimal classifier	Anitha, G., Ismail, M, S.K. Lakshmanaprabu	Electronic Government	2020	0.242	BSACIST	Nil
Internal model controller based PID with fractional filter design for a nonlinear process	P. R. Hemavathy, Y. Mohamed Shuaib, S. K. Lakshmanaprabu	International Journal of Electrical and Computer Engineering	2020	1.001	BSACIST	Nil
Comparative analysis of energy based optimized dynamic source multipath routing protocol in WSNs	Nabeena Ameen, D. Najumnissa, L. Arun Raj.	Indonesian Journal of Electrical Engineering and Computer	2019	0.36	BSACIST	Nil
A Low Power and High Performance Hardware	S. Syed Rafiammal, D. Najumnissa, G. Anuradha,	INTL Journal Of Electronics and Telecommunicat	2019	0.79	BSACIST	Nil

Design for Automatic Epilepsy Seizure Detection	S. Kaja Mohideen, P. K. Jawahar, Syed Abdul Mutalib	ions				
Controller design using quantitative feedback theory for thermal power plant process	Murshith aShajahan M.S., Najumnissa D., Aparna V.	Case Studies in Thermal Engineering, Elsevier Publications	2019	1.148	BSACIST	2
Detection of Choroidal Neovascularization through Characterization of Changes in Anterior and Posterior Eye Segments	Anitha, G., and Mohamed Ismail	3D Research	2019	0.762	BSACIST	Nil
View File						

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
Financial Crisis Prediction Model Using Ant Colony Optimization	J U., Metawa N., Shankar K., Lakshmanaprabu S.k.	International Journal Of Information Management	2020	82	45	School Of Electrical And Communication Sciences
Random Forest For Big Data Classification In The Internet Of Things Using Optimal	S. K. Lakshmanaprabu., K. Shankar., M. Ilayaraja., Abdul Wahid Nasir., V. Vijayakuma	International Journal Of Machine Learning And Cybernetics	2019	26	48	School Of Electrical And Communication Sciences

Features	r., Naveen Chilamkurti					
Biosynthesis And Characterization Of Copper Oxide Nanoparticles From Indigenous Fungi And Its Effect Of Photolysis On Human Lung Carcinoma	Saravankumar K., Shanmugasubramanian S., Varukattu N.b., Mubarakali D., Kathiresan K., Wang M.-h.	Journal Of Photochemistry And Photobiology B: Biology	2019	96	50	School Of Life Sciences
Optimal Feature Level Fusion Based Anfis Classifier For Brain Mri Image Classification	Shankar K., Elhoseny M., Lakshmananprabu S.k., Ilayaraja M., Vidhyavathi R.m., A. Elsoud M., Alkhambashi M.	Concurrency Computation	2020	67	54	School Of Electrical And Communication Sciences
A Review On Recent Advances In Hybrid Supercapacitors: Design, Fabrication And Applications	Muzaffar A., Ahamed M.b., Deshmukh K., Thirumalai J.	Renewable And Sustainable Energy Reviews	2019	193	338	School Of Physical And Chemical Sciences., School Of Physical And Chemical Sciences., School Of Physical And Chemical Sciences
Optimal Deep Learning Model For Classification Of Lung Cancer On	Lakshmananprabu S.k., Mohanty S.n., Shankar K., Arunkumar	Future Generation Computer Systems	2019	85	113	School Of Electrical And Communication Sciences

Ct Images	N., Ramirez G.					
Effect Of Water Depth On A Novel Absorber Plate Of Pyramid Solar Still Coated With Tio2 Nano Black Paint	Kabeel A.e., Sath yamurthy R., Sharshir S.w., Muth umanokar A., Panchal H., Prakash N., Prasad C., Nandakumar S., El Kady M.s.	Journal Of Cleaner Production	2019	132	84	School Of Mechanical Sciences
Synthesis, Optimizati on And App lications Of Zno/pol ymer Nanoc omposites	Ponnamma D., Cabibihan J.-j., Rajan M., Pethaiah S.s., Deshmukh K., Gogoi J.p., Pasha S.k.k., Ahamed M.b., Kris hnegowda J., Chandr ashekar B.n., Polu A.r., Cheng C.	Materials Science And Engine ering C	2019	95	81	School Of Physical And Chemical Sciences., School Of Physical And Chemical Sciences
Optimal Feature-based Multi-kernel Svm Approach For Thyroid Disease Cl assificati on	Shankar K., Lakshmananprabu S.k., Gupta D., Maselena A., De Albuquerque V.h.c.	Journal Of Superco mputing	2020	42	64	School Of Electrical And Communication Sciences
Experime ntal Study On Tubular Solar Still Using Graphene	A E Kabeel., Ravishankar Sathyamurthy., Swellam W Sharshir.,	Journal Of Energy Storage	2020	12	58	School Of Mechanical Sciences

Oxide Nano Particles In Phase Change Material (npcms) For Fresh Water Production	F A Essa., Ammar H Elshiekh., Muthu Manokar At hikesavan					
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	283	1581	347	Nil
Presented papers	398	89	2	Nil
Resource persons	27	81	102	Nil

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Mr. N. Rajendran, Assistant Professor (Senior Grade), Dept. of IT Dr. R. Priyadarshini, Assistant Professor (Selection Grade), Dept. of IT	Refinement of Design and Usability Testing of Mobile App	Sirpi Software Pvt. Ltd., Chennai	12000
School of Life Sciences	Food safety, good manufacturing practices (GMP) and HACCP-2019 on 23 to 25 Oct, 2019	Hi Rise Food tech lab	36000
School of Life Sciences	Bioinformatics: Scope and Applications May 18-19, 2020	Tamilnadu State Council for Science Technology (TNSCST), Association of Cancer Education Research and Crescent Bioinformatics Association	3200
School of Life Sciences	Clinical Flow Cytometry 11,12 April 2019	BD Biosciences	57500
T.R. Tamilarasan (Automobile	Pin on disc wear testing facility	Wabco India Pvt Ltd, Chennai	20000

Engineering)			
A.Priya(ECE)	Testing consultancy using VNA	LICET(Loyolla College of Engg and Tech)	2000
A.Ambika(ECE)	Testing consultancy using VNA	SSM College of Engg, VelTech Engg College	40000
Chemistry	Testing	Researchers and students of near by institution	53000
ECE	Testing consultancy using vector Network Analyze	Academic Institutions across Tamilnadu	6000
Department of Civil Engineering	Consultancy and Testing across Tamilnadu	Industries, Institutions and Consultancy agencies	174382
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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
Mechanical Engineering	B.Tech	Apollo Tyres Ltd	9.1	28
Mechanical Engineering	B.Tech	Mando Automotive India PVT Ltd	7.42	112
CSE	IIT Spoken Tutorial Project	IIT, Bombay	0.48	1261
Dr. S. Rasool Mohideen Mechanical	Training program for employees of M/s. Mando Automotive India Pvt Ltd	Mando Automotive India Pvt Ltd. R.Ramakrishnan, DGM (HR), 782480 0313, r.ramakrishnan@halla.com	48.86	128
Dr. R. Raja Prabu EEE	Training program for faculties of UiTM, Malaysia	UiTM, Sarawak, Malaysia Mr. Abdul Rahman Saili arsaili76@gmail.com	2.03	6
ECE (June 2018)	VALUE ADDED COURSE ON CLAD	EATON MTL INSTRUMENTS PVT. LTD.	0.1	2
Dr. Latha Tamilselvan, Director, Data Centre Dr. I.	Basic Computer Training Programme for	Tamil Nadu Police Training Academy	0.5	28

Sathik Ali, Associate Professor Head, Dept. of IT Mr. N. Rajendran, Assistant Professor (Senior Grade), Dept. of IT Dr. P. Gnanasekaran, Assistant Professor, Dept. of IT	AIPDM 2019			
School of Life Sciences	Workshop on Plant Tissue Culture on 24 25 January 2019	College Faculties	20437	21
School of Life Sciences	Four day's Short term training programme on Algal culture techniques and biotechnology (STPACTB) 17- 20 December 2019.STTP-ACTB	College Faculties	60000	20
School of Life Sciences	Workshop on Medical Mushroom Technology Sponsored by TNSCST held on 30-31st January 2020.	College Faculties, Research Development Scientist	27500	16
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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
Swachh Bharat Mission	NSS, CRESCENT, 3 UNITS	3	150
Distribution of Flood Relief Materials to Needy in Nagure, Nagappttanam, Tamil Nadu on.	NSS, CRESCENT, 3 UNITS	3	15
Fit India Programme	GOI NSS CRESCENT	3	30

Participants in Mega Tree Plantation Drive at Mahindra City	NSS CRESCENT Mahindra City	8	250
NSS Volunteers had participated in data entry of Tamil Nadu Government Chief Minister Grievance Redressal Schemes to the respective Government website	TN Govt, NSS CRESCENT	5	200
NSS Day Celebration on 24th September by Conducting Campus Cleaning and Other Competitions.	NSS, CRESCENT, 3 UNITS	3	200
Volunteers Participation in International Wild life Conservation-Run for Animal Organized at Vandalur zoo	NSS, CRESCENT, 3 UNITS VANDLUR, ZOO	7	100
Government Data entry-Update the content in Election Identity card	TN Govt, NSS CRESCENT	6	100
Nilavebu Kudineer distribution to the Staff and Students at the Crescent campus	NSS, CRESCENT, 3 UNITS	10	300
Distribution of Flags as part of the International White cane day Celebration 2019.	NSS, CRESCENT, 3 UNITS	3	20
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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
Swachh Campus Ranking 2019 of HEI	All India 5th Rank	MHRD, GOI	Nil
Clean and Smart Campus Award 2019	Certificate of Appreciation	AICTE	Nil
Jal Sakthi Abhiyaan	Certificate of Appreciation	AICTE	Nil
One Student One	Certificate of	AICTE	Nil

Tree	Appreciation		
Eco-Friendly Sustainable Campus	University of the Year	ASSOCHAM	Nil
Social Entrepreneurship, Swachhta Rural Engagement Cell (SES REC) Institution.	Certificate of Appreciation - Recognized Institute	Ministry of Education	Nil
NSS Volunteers	Best NSS Volunteers	Tamil Nadu Government - Redressal Schemes	150
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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 Mission	NSS, CRESCENT, 3 UNITS	Swachh Bharat Mission	3	150
Fit India Programme	GOI NSS CRESCENT	Fit India Programme	3	30
NSS Volunteers had participated in data entry of Tamil Nadu Government Chief Minister Grievance Redressal Schemes to the respective Government website	TN Govt, NSS CRESCENT	NSS Volunteers had participated in data entry of Tamil Nadu Government Chief Minister Grievance Redressal Schemes to the respective Government website	5	200
Government Data entry- Update the content in Election Identity card	TN Govt, NSS CRESCENT	Government Data entry- Update the content in Election Identity card	6	100
Observance Of Rashtriya Ekta Diwas (National Unity Day) Pledge Taking Ceremony May Be Organised.	NSS, CRESCENT, 3 UNITS	Observance Of Rashtriya Ekta Diwas (National Unity Day) Pledge Taking Ceremony May Be Organised.	3	100
Observance Of Vigilance Awareness Day.	NSS, CRESCENT, 3 UNITS	Observance Of Vigilance Awareness Day.	3	75

Vigilance Awareness Day		Vigilance Awareness Day		
Disaster Mitigation Awareness Campaign with Government of TN	TN Govt, NSS CRESCENT	Disaster Mitigation Awareness Campaign with Government of TN	3	100
Constitution Day" Or"Samvidhan Divas" By Govt. Of India	NSS, CRESCENT, 3 UNITS	Constitution Day" Or"Samvidhan Divas" By Govt. Of India	3	70
Celebrated National Voters Day	NSS, CRESCENT, 3 UNITS	Celebrated National Voters Day	3	150
Assistance to Government Officials for uploading details of Scholarship in the Government Website	TN Govt, NSS CRESCENT	Assistance to Government Officials for uploading details of Scholarship in the Government Website	3	150
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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. Karunanithi	DST SERB TARE	1095
Lab Visit	Dr.M.Asha Jhonsi	Melbourne university, Australia	15
Visiting Professor	Dr. D. MubarakAli	Korea Aerospace University, Republic of Korea	92
Studium Generale -Speaker	Dr. Ayub Khan Dawood	Universitas Atma Jaya Yogyakarta, Indonesia	1
Scientific Research Award	Mr. Asif Khan	National Natural Science Foundation of China (Grant No. 61370073)	366
Scientific Research Award	Mr. Asif Khan	National High Technology Research and Development Program of China (Grant No.2007AA01Z423)	366
International Scientific Event	Mr. Surya Rajan B	SERB - International	3

		Travel Support (ITS) Scheme -Received Rs. 88963/-	
FICCI ASEAN - Indian research and training fellowship (AIRTF)	Dr. Shameem Banu	University Technologi, MARA malaysia	62
Visiting Professor	Dr. Mohamed Ashfa	Chulalongkorn University, Thailand	194
Postdoctoral fellowship	Dr. Abuzar Nomani	RUSA 2.0	335
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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
Training	Inplant Training	Mahle Anand Thermal Systems Pvt Ltd	23/12/2019	31/12/2019	T. DEEPAK KUMAR
Training	Inplant Training	Integral Coach Factory, Chnnai	10/06/2019	17/06/2019	ASHFAAQ AHAMED H
Training	Inplant Training	Travencore Titanium Products	06/01/2020	14/01/2020	ARON MIJI
Project	Industry Student Project	Milwrights Cad/Cam Solution Providers	01/02/2020	30/03/2020	HARI HARAN P
Project	Industry Project	Accurate Corporation Pvt Ltd	22/01/2020	22/03/2020	BALACHANDAR
Project	Industry Project	Logicize Research	24/02/2020	24/08/2020	AADHISHESHA PANDI S
Internship	Student Internship	Qurrayah Combined Cycle Power Plant, Saudi Electricity Company, Kingdom of Saudi Arabia	09/06/2019	06/07/2019	AKMAL ALI A I

Internship	Student Internship	Minar Construction and Electrical (MNR) Pvt. Ltd., Pudukkottai	01/06/2019	30/06/2019	ASITH AHAMED S
Internship	Student Internship	Gates Unitta India Company Pvt. Ltd., Sriperumbudur, Kanchipuram Dist.	03/06/2019	12/07/2019	DHEVARATCH AGA N.
Internship	Student Internship	NCR Corporation India Pvt. Ltd., Chennai	03/06/2019	21/06/2019	DHIKSHITHA V
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Chettinad Academy of Research (CARE), Chennai	03/06/2019	Collaborative research	2
Concerning the Establishment of an EU-India World Startup Factor Netherlands (www.worldstartupfactory.com)	13/11/2019	Purpose • Mobilizing sponsors for participation • To facilitate the engineering of parts for molecular start ups • To organize a dedicated study visit • Organizing the outreach of the call via the appropriate media	2
IDEA Innovation Center, 36, Lykourgou, 1011 Nicosia 1599, Cuprus	13/11/2019	Purpose • To help the startups • Virtual incubation services or B2B support • Exchange of ideas mentoring • Joint grant applications	2
University of Stuttgart, Germany	11/11/2019	Purpose • Academic exchange in education and research • Exchange professors,	2

		research and students • Exchange research materials and publications	
Missouri Innovation Centre, Columbia, MO	07/10/2019	Purpose • To help start ups • To set up virtual incubation services • Joint grant applications	2
Universitas Atma Jaya Yogyakarta	30/09/2019	Activities • Delivered two guest lectures • 2) Organized joint cultural festival	2
Center for surface technology and applications korea aerospace University, Republic of Korea	30/08/2019	Activities • 2 Joint research publications • 1 faculty exchange for 3 months	2
Bio Engineering major division Bioengineering Incheon national university, Republic of Korea	30/08/2019	Activities • 2 Joint research publications • 1 student exchange for 6 months for project	2
View File			

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
3706.44	2911.27

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Newly Added

Campus Area	Newly Added
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
TCSiON	Fully	14.01	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	48999	22273566	2762	1104800	51761	23378366
Reference Books	23451	13932462	602	300900	24053	14233362
e-Books	14358	543629	3000	1180000	17358	1723629
Journals	240	792715	9	29250	249	821965
e-Journals	16175	5621090	30	300000	16205	5921090
Digital Database	2	542697	Nill	Nill	2	542697
CD & Video	3000	300000	Nill	Nill	3000	300000
Library Automation	1	100000	1	1100000	2	1200000
Others (specify)	Nill	Nill	44500	Nill	44500	Nill

[View File](#)

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
Preeti Verma	Security in Big Data Analytics	LMS	19/06/2019
Shahtaj	CPU Scheduling Algorithms	LMS	26/06/2019
Dr.Y.Mohamed Shuaib	Reactive Power Compensation	LMS	17/06/2019
J.Shri Indhu	Prefabricated Structures	LMS	05/07/2019
Dr.KALIL	A New Techniques in Aseismic Design	LMS	26/06/2019
B.Sivashanmugavalli	Electronics for Mechanical System	LMS	11/07/2019

Dr. A.K. Reshmy	Selection and Insertion sort	LMS	20/03/2020
S.Karthikeyan	Theory of finite wings	Youtube	07/04/2020
Dr. J. Revathy	Earthquake Engineering	YouTube e-learning portal	30/08/2019
S.Kalaivani	VLSI Design	LMS	11/07/2019
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	3262	2283	326	161	165	163	164	1040	0
Added	280	260	5	5	5	2	3	225	0
Total	3542	2543	331	166	170	165	167	1265	0

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

1265 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
Centre for Innovation in Teaching and Learning	http://ciic.ventures/centre_teaching.html
Link for the video lectures	https://youtu.be/MyzT9IaMkLo
Link for the video lectures	https://youtu.be/GYtOFPA4DNI
Link for the video lectures	https://youtu.be/LqBX55NzVUE
Link for the video lectures	https://youtu.be/F2FkV94CewU
Link for the video lectures	https://youtu.be/eG4IA_b09F8
Link for the video lectures	https://youtu.be/KcA2eWeraSg
Link for the video lectures	https://youtu.be/-v-ruORF9F0
Link for the video lectures	https://youtu.be/lGkOfhjvk28
Link for the video lectures	https://youtu.be/5-ZN2JdWwOs
Link for the video lectures	https://youtu.be/u9fpm1_qlOg

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
432.43	469.43	801.31	374.93

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

Laboratory All the laboratories are well maintained, lab in-charge and staff in-charge are taking care of maintenance works, which will be monitored by the Director/Laboratories. An annual maintenance contract (AMC) is in place for each machine/product. The well-established procedure is available for service and maintenance of lab equipment. Request for approval of maintenance/service is made before the budget cost committee (BCC) through the proper channel. The lab technician periodically maintains all the equipment. Library The Central Library of the Institute is stacked with thousands of books and periodicals. These materials have been arranged neatly in the prescribed order. Pest control is being done regularly. Established procedures in Library ? All the members of the Institution are eligible to get library membership. Library users have to register their details in the entry register, whenever they visit. ? Faculty, staff, students, research scholars of the Institution need to fill up a library membership form with the certification of authorities. After becoming a member, library membership cards two, three, four, six will be issued to staff, UG students, PG students, Research scholars and faculties, respectively. ? The students can use the borrowed book(s) for up to 21 days time, and faculty members can use the books for up to a semester. The book(s) can be renewed if there is no reservation for the particular book. Late return of the book will earn a fine of Rupee one, per day. ? Valid ID card must be for utilizing library services and reference books and periodicals will not be issued. The borrower is responsible for the book(s) borrowed against their membership. ? Current awareness service is being done online. ? News about conferences/seminars and workshops is being sent to various user groups online. ? Staff/research scholars/students can use the digital library for their academic and research purpose. ? Annual stock verification is being carried out regularly. Book purchase procedure • Librarian will call for books and journals requirement • Department requirements are checked for duplication • Requirements will be sent to BCC for purchase Part of purchased books will be transferred to the Department/school library Physical Education Department • The department is taking care of maintaining the sports and games of the institution. Annual Maintenance Contract (AMC) is available for all the equipment in the fitness centre. Qualified and experienced markers are available to maintain the sports field.

<https://crescent.education/research/facilities/student-amenities/>

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	B.S Abdur Rahman University Scholarship	139	13900000
Financial Support from Other Sources			
a) National	Merit cum Means Scholarship for Professional and Technical courses	269	6725000
b) International	nil	Nil	0

No file uploaded.

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
An orientation seminar organised for third year B. Tech. Biotechnology students in association with Princeton Review.	28/08/2019	60	Princeton Review
Placement Training organized a Seminar on Gate to G.A.T.E. program for the third year B.Tech. (Auto / Mech.) students.	29/08/2019	300	i-Mech Academy
Organized a workshop on Driving Skills for Life (DSFL) which was done by Ford India Ltd and had an theory session on DSFL for 2 hours followed by a live demo. Mr. Sethu, General Manager, Paint Shop Mr. Srikanth, General Manager, Quality were	06/09/2019	100	M/s. Ford India Ltd.
Placement department organised HR Conclave 2020 with the HRs, Senior Managers reputed industries. The conclave theme was Get Set Go to provide students to learning about Corporate demands and how to take up the challenges of Corporate world.	05/03/2020	80	Reputed industries like Hyundai Motor, Zoho, CSS Corp, etc.
Organised a conference in association with FICCI focused on Enhancing Employability for	12/03/2020	1200	M/s. FICCI M/s. LT Constructions

Students. The conference had the presence of Senior Management cadre from sectors like manufacturing, automobiles and others.			
Placement Training department has connected with various organization and provided online placement preparedness webinars both technical and the personal development oriented to the students. The companies that organized these webinars like TCS, Amaz	14/05/2020	300	1. M/s. Smart Training 2. M/s. Hitbulseye 3.M/s.Face Academy
Online Webinar being conducted for counselling pre final year students. The focus is to provide the students the changing environments and the demads of the corporate. This is an interactive session where students are encouraged to raise queries and	05/05/2020	800	Department of Placement and Training
A one day training arranged for BCA B.Sc. Students for Infosys recruitment.	20/12/2019	120	M/s. Smart Training Resources Pvt Ltd
Organised a workshop on Autonomous Self Driving Car Design Demoat our camus. Mr. Rahul Ranjan, Race Official Maruti Suzuki	24/10/2019	120	M/s. RCDC India

Motorsports, participated and handled the session.			
Organized a seminar for B.com students on the topic "Capital Market". Mr. R. Senthil Murugan- Senior Manager, National Stock Exchange of India Ltd had interated the session.	03/10/2019	35	National Stock Exchange (NSE)

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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
2020	Organized a Seminar on Employment Opportunities in Defense for Final year and pre-final year students. Lt. Cdr. Davinder Singh, Command Recruitment Officer, Southern Naval Command presented and guide the various employment opportunities for the s	120	120	Nil	Nil
2019	An orientation program on Civil Services Examinations To create	500	500	Nil	Nil

awareness in the minds of the students on taking up a career in Civil Services for the final year B.Tech& Arts and Science (all streams) .
Dr. M. Ravi,
I.P.S. ADGP,
Tamil Nadu Police ad

2019	Arranged an orientation programme for B.Tech first year students. Mr. Mir Mohamed Ali, IAS, Collector from Kannur had an interactive session with the students	450	450	Nil	Nil
2019	Motivational Seminar Session on ""Technical Profile Building & Techniques to Crack Aptitude / Competitive Exams"" was conducted for pre-final year students of B. Tech. (CSE/ IT / ECE/ EEE/ EIE/ Aero) in two different session.	145	145	Nil	Nil

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
5	5	4

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
Accenture	234	64	TCS	126	29
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.Tech IT	Department of Information Technology	Glasgow University	MBA
2020	2	B.Tech IT	Department of Information Technology	BSACIST	M.Tech
2020	1	B.Tech. Mechanical	Department of Mechanical Engineering	Loughborough University - United Kingdom	M.Sc. Engineering Design
2019	1	B.Tech. (ECE)	Department of ECE	Loyolla College	Department in Management
2019	1	B.Tech (ECE)	Department of ECE	International Management Institute	MBA
2019	1	B.Tech. Civil Engineering	Department of Civil Engineering	Heriot Watt University, Dubai	M.Tech
2019	1	B.Tech. Civil Engineering	Department of Civil Engineering	Amity University	M.Tech
2020	1	B.Tech. EEE	Department of Electrical and	Hochschule Furtwangen University, Germany	M.S. Smart Systems

			Electronics Engineering		
2020	1	B.Tech. EEE	Department of Electrical and Electronics Engineering	Politecnico di Milano, Italy	M.S. Electrical Engineering
2020	1	B.Tech. Mechanical	Department of Mechanical Engineering	The University of Manchester	PGDT
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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
GATE	16
GRE	2
Civil Services	2
Any Other	12
TOFEL	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Volley Ball Men	Intramural	60
Ball Badminton Men	Intramural	48
Basket ball Men	Intramural	54
Music	Inter college	10
Young Genius - School students from IX to XII	National Level	100
Drawing Competiton on Sketch your Dream Quarantine Home for 12th Standard atudents (09.06.2020)	State Level	10
TECHWIZARD 2K20 - Online Technical Quiz Competition (08.06.2020)	National Level	250
100 M Dash Women	Intramural	8
200 M Dash Women	Intramural	8
200 M Dash Women	Intramural	8
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	6th National Rural Games / Gold	National	1	Nil	18137160 1402	S.Mohammed Afzal
2019	6th National Rural Games / Gold	National	1	Nil	18001160 1006	A.Faizal Khan
2019	6th National Rural Games / Gold	National	1	Nil	17141160 1038	S.V.VasistVignes
2019	6th National Rural Games / Gold	National	1	Nil	17141160 1038	S.V.VasistVignes
2019	Indo Nepal Youth Games / Gold	International	1	Nil	17141160 1038	S.V.VasistVignes
2019	5th Kicks and Punches International Karate Championship / Gold	International	1	Nil	18139160 1045	V.G.Shankari
2019	4th National level Championship & Chennai Got Talent	National	1	Nil	18149160 1070	R.Suriya
2019	4th National level Tournament National Martial Arts & Yoga Association / Gold	National	1	Nil	17136160 1036	S.Syed Mohammed Arshad

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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)

• With the objective of inculcating the qualities of leadership, organization, and responsibility in the students, an active Student Council is in place along with a strong representation of students in the academic and administrative bodies/committees. • Twenty four students have been nominated by the Academic Council on the basis of merit in studies, sports and extra-curricular activities. • The functions of the Students Council are to make suggestions to the appropriate authorities with regard to the programmes of studies, student's welfare and other matters related to them. Such suggestions are made on the basis of consensus of opinion of the council. • Students have also been included in Class committees, Anti-ragging squads, IQAC, Alumni, Sports, Library, Cultural, Placement, Magazine / Newsletter, Institutional chapters, NSS, Hostel, Canteen transport management etc. • The Class Representative (CR) system is fundamental to student representation as leaders. It allows one male and one female student to represent each class of approximately 60 students in the Institute, with regular meetings every third Thursday of the month to ensure the systems efficiency and effectiveness in putting forward the interests and views of the students. Monthly CR Meetings are conducted during the semester. CR meetings play a major role to assess teaching, learning and support services provided to the students by the Institution. Office of Dean Student Academic Affairs monitors the functioning and effectiveness of the CR system. Role of Student Council (a) With the permission of the Chairperson of the Students council, the students of the sub-committees shall have the right to participate in the discussions at any meeting when matters concerned with their subcommittee are taken up for consideration. (b) The functions of the Students Council shall be also to make suggestions to the Appropriate Authorities of the existing Specified I university Councils with regard to the programmes of studies, Student's Welfare and other matters related to them, in general, and such suggestions shall be made on the basis of consensus of opinion of the Council. Placement Activity Students of third fourth-year form part of Placement Committee. The student council also actively engages in drawing up the program, conduct and supports the various sports extracurricular activities

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Contribution of Alumni Association to the institution : ? The Alumni Association of the Institute was formed in the year 2000 and has been registered with The Registrar of Societies with the Name "Alumni Association of Crescent Engineering College". It is formed with 10 enthusiastic members. The main aim of the association was to bring the former students of Crescent Engineering College / B S Abdur Rahman Crescent Institute of Science Technology less than one roof, by leveraging the latest technological developments, to share their experiences, knowledge and talents amongst its members and students of Crescent Engineering College / B S Abdur Rahman Crescent Institute of Science Technology for fellowship and for the advancement of knowledge. The main objectives of the association are, • Networking Our association has members who are CEO's, CTO's of companies to young Engineers who aspire to come up in life. One of the main objectives of the association is connecting them to benefit each other. We have signed with Alma Connect. It is a social network based on private alumni networks focused on helping an alum/student get trusted help from his/her alumni network. Help ranges from getting referrals for jobs, advice for careers, recommendations for services. Some of the Major networking events the association conducts:- ? Alumni Reunion conducted every year as Annual General body meeting of the Alumni, recognizing Performers from the Alumni ? Welcoming passed out students to Alumni Association. ? Welcoming Senior batch for their MAJOR REUNION to

theUniversity ? Iftar Get together is conducted every year with the intention of networking the alumni with B S Abdur Rahman Crescent Institute of Science Technology for fellowship and for the advancement of knowledge. • The association has active chapters in ? U.S. - 200 and more ? Singapore - 200 more ? Oman - 33members ? Dubai - 200 and more ? Australia - 40members • The Association also has events for Sports and Social welfare :- ? Tour De Crescent

5.4.2 – No. of registered Alumni:

1914

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

1914000

5.4.4 – Meetings/activities organized by Alumni Association :

An Annual Cycling event for the General public and students ? Scholarship Scholarship amount to the tune of Rs.50000/- Given to deserving Students per annum. ? green initiative Planted more than 100 saplings inside the campus and maintained them ? blood donation Regular Organisation of blood donation camps in Rajiv Gandhi Memorial Hospital and at Crescent Institute of Science Technology on Founders Day on 15 Oct every year. ? Crescent BadmintonLeague ? Annual Badminton League for the Alumni and the general public

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The university practices decentralization and participative management. • The University empowers the Deans and Heads of the Departments to take administrative decisions related to the Schools and Departments following the guidelines of the University.. • Though the Vice-Chancellor is the Head of Institution, HOD has the power for making various decisions like Time Table, Placement, and Progress of the students. To oversee the effective functioning of various operations in the institution, the following functional Deans and Directors are nominated: There are 12 school deans and HoD's for different departments to monitor and manage the functions of the schools departments. Senior faculty members of the university were alone empowered and nominated as Professors and Deans of the schools respectively. The Directors are nominated for different centres which are established in the University. Some of the centres include the Center for Energy Research and Studies, Faculty Training Academy, Crescent Innovation and Incubation Council and Centre for Leadership. All of these Deans, HoDs, and Directors have well-defined responsibilities and portfolio. To list the few the following deans are nominated for various academic and research activities. ? Dean (Academic Affairs) ? Dean (Academic Research) ? Dean (student affairs) ? Dean (VariousSchools) ? Director(Accreditation, Ranking and International affairs) ? Director(Sponsored Research and consultancy) ? Director (Center for Energy Research andStudies) • All faculty members, even entry-level faculty members (Assistant Professor) are given independent responsibilities like faculty member in charge of the laboratory, class advisor, faculty advisor, faculty in charge of professional bodies and others. • Department level faculty meetings are held periodically to discuss all matters of academic, administrative and infrastructure development. • Registrar and Vice-Chancellor convene periodic meetings of the Heads of the Departments, Deans and Directors to arrive at major decisions. In these meetings, School Deans and Heads of the Departments discuss and decide on institution-level issues. • All faculty meetings are convened at least once a month to directly interact with the administrators. • Budget preparation starts

from the laboratory level in which the faculty member's in-charge of laboratories raise the budget required which are consolidated by Heads of the Departments for finalizing the budget for the department. • Faculty members have due representation in the Board of Studies, Academic Council, Board of Management and Planning and Monitoring Board, Research Board and Internal Quality Assurance Cell. The institution adapts decentralization strategies to bring out transformational leadership in faculty. Case Study: • Complete Academic freedom has been given to the department. HoDs are given powers to take independent decisions regarding all academic matters right from curriculum design, syllabus formation and Teaching - Learning and evaluation processes. • Faculty members are empowered to revise the course contents, during the delivery of the course, but limited to one or two modules after obtaining the necessary approval from the Chairman, BOS, which would be ratified by the next meeting of the Board of Studies. • Introduce new teaching methodologies and have their own teaching set up, design and set up laboratory experiments and equipment.

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
Industry Interaction / Collaboration	<ul style="list-style-type: none"> • Crescent Industry Institute partnership cell organized a workshop on 05.02.2020 exclusively for 1st and 2nd year MBA and CSB students. This workshop helped the students in learning about corporate demands and how to prepare for meeting them. The speakers were top HR Senior Managers, Mr. Natwar AGM, Hyundai, and Mr. Charles from Zoho Corporation, Dr, Rajini, VP - HR Esskay, Ms Punitha, Director- HR, CSS Corp and Ms. Madhumitha, Sr. Manager, Advanced Solutions. • Collaborating with "Gillette", Placement and Training Department conducted a Workshop exclusively for the final year male students to enhance their knowledge and the importance of Grooming up • To provide the skills for the students to succeed in the changing times have collaborated with training agencies and vendors for online training and placement preparedness training for the students. Not being limited to the training, the Placement and Training team will collaborate with all the departments and students on developing attitudes and enhancing aptitude for technology-related opportunities. • Many more webinars and corporate mentoring programs are lined up in the upcoming time.

Industry Interaction / Collaboration

Our institute has been sending our students as interns to the well-known local industries such as Appollo, Mando etc. During interaction with industry officers, corporate training of the industry personal program has been initiated. Additionally, a strong Crescent Alumni association has been created and several eminent personalities are invited to Crescent. Through their success stories, our faculty are motivated and developed more collaborative projects. Accordingly, international joint projects with Malaysian and other institutes have resulted in. Another achievement through industry interaction is the establishment of pilot-scale energy plants on the campus, donation of cars by M/s Ford etc. are the outcome of our industry interaction and collaboration.

Research and Development

The Institution lays greater emphasis on research through various quality enhancement and sustainable initiatives. The Institute has a well-established administrative structure to ensure quality research with various committees including Research Board. Besides, each school has a research and development (RD) council to initiate and monitor the research activities. There are 66 BSA Research Fellowships (JRF / SRF) available to lure bright youngsters to take up research activities on a full-time basis. All the Departments are equipped with state-of-the-art equipment and software for carrying out research. The library has over 17,000 e-journals for research purposes. The institute has set KPI for faculty members to publish research articles. Faculty members are appreciated with appropriate monetary incentives for their publications in reputed journals and the fund received from the government agencies for the project proposals. The UG and PG projects are research-focused and lead to publications in indexed journals. Crescent Innovation Incubation Council works closely with Research Team to transform the research towards Entrepreneurship, Patents and Startups. By closely working with faculty and interacting with them during the workshops/meetings etc. an eco-system on research has been successfully

created. Accordingly, the faculty of Crescent have now realized their daily duty on the campus is not only to teach but also to do research. The research office has also clarified the importance and personal growth of the faculty if they achieve more. The same has been counted during the performance indicators of each faculty. Additionally, publication of the research papers in high-quality journals, avoidance of predatory journals, checking the manuscripts before submission for plagiarism is only a few measures taken by the research office. The outcome of these measures has already shown the result in the form of a fast increase of H-Index of the institute to the present level of 51.

Teaching and Learning

? Crescent LMS, a learning management system was implemented in the AY 2019-20 across all the programmes offered by the institution. ? Implementation of project-based learning in various courses across engineering disciplines. ? Organized field visit based project learning in various courses across Engineering, Architecture, Pharmacy, Law, Arts Science and Management programmes. ? Offered value-added courses in skill-based open-source software to students in collaboration with IIT Bombay (Spoken Tutorials), across the disciplines, to enhance their employability. ? Facilitated students to understand important concepts through experiential learning, quiz, case study, project work, peer-assisted learning etc. ? Offered the courses "Social Entrepreneurship" and "Advanced Entrepreneurship" across engineering programmes in collaboration with M/s. Wadhvani Foundations through trained faculty and online training in real-time projects.

Curriculum Development

? Meeting of Board of studies of departments/schools was conducted during June - July 2019 and Dec. 2019 - Jan. 2020 to revisit the curriculum and syllabus of existing programs and modify the same based on industry needs, students and other stakeholders' feedback. ? Recommendations of School level advisory committee curriculum-related feedback given by students,

parents, alumni, employers etc. were also considered during the modification of the curriculum syllabus. ? Online feedback system emphasizing on curriculum development viz. introduction of new courses, attainment of course outcomes, programme outcome is available in the institution website to facilitate stakeholders to offer their suggestion. ? The exit survey obtained from outgoing students was also considered for curriculum syllabus updating.

Library, ICT and Physical Infrastructure / Instrumentation

- Provided internet connectivity to Digital Library and Common Computing Centre with 24/7 Central Computing service with Computer Maintenance Cell (CMC) system staff on the day and night shifts.
- Installed and configured INFLIBNET Server with Public IP to enable remote access of the e-Journals for the benefit of faculty and Research Scholars.
- A new sophisticated Computer lab with 60 high-end desktop systems was created.
- Additionally 280 Desktop systems and 24 Laser Printers were purchased for laboratories.
- Additionally 70 LCD projectors were purchased to enable the ICT facilities in the classrooms and Seminar halls.
- Crescent Learning Management System (LMS) was developed to provide quality education and an easy learning environment to our students through Computer-Based Learning.
- An additional 225 Mbps Internet bandwidth was procured from Railtel as backup connectivity.

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

E-governance area	Details
Student Admission and Support	<p>The following reports can be generated using the TCS ion admission solution:</p> <ul style="list-style-type: none"> • Applicant details • Batch • session subject details • Batch admission seat details • Complete student details • Seat allotment details • Batch admission category wise student count
Planning and Development	<ul style="list-style-type: none"> • The purchase and other expenses are incorporated in the tally in the institution. The salient features of the module: • It is a robust system to cater to the growing needs of entrepreneurs in their solutions. • Helps to monitor and control assets, revenue and liabilities and

expenditures of an organization. • Maintains confidentiality by providing user-based access and workflow approvals • Supports multi-organization and multi-currency operations. • Helps to keep the organization compliant with the latest statutory requirements by providing information through statutory reports. • Helps to obtain greater control over financial operations through various analytical reports. • Integration with other iON solutions avoids duplication of work and reduces error. • Flexibility to bulk upload organization data to iON Finance and Accounting system to reduce time and effort. • Provides various audit reports for an easy auditory process. • Offers complete fixed assets management to ensure tracking of every asset in the organization. • Allows the organization to set budgets at various levels of accounts for easier planning and controlling business operations. • Allows taking actions on transactions like viewing outstanding information and payment dues using mobile phones. • Our institution implements e-governance through TCSion. • Planning and Development • Administration • Finance and Accounts • Student Admission and Support • Examination • Response: All 5 of the above • Yes, our Institution implements e-governance through TCS iON. • The Planning and Development in our institution especially purchase and payment is being enabled in TCS iON. • In the administration module, managing employee activities such as leave, attendance management and pay stubs is incorporated. • In the Finance module, the student fees, purchases and other expenses are incorporated in tally. • The student and admission module support consists of student tuition fees payment module and allocation of hostel rooms. • Examination module is an automated module for uploading and viewing exam results by the staff and students respectively.

Administration

• The process owner is Director HR and the stakeholders are the employees of this Institution. The salient features • of the administration module are: • Uploaded the employee's basic details like department, and designation. • Leave type created like CL, CPL, ML, VL and LOP with workflow •

Biometric device has been installed to capture employees attendance • Separation module- resignation and termination process • Reports on administration activities on a daily/weekly basis. The stakeholders are facilitated to utilize • / monitor the following activities: • Applying leave and On-duty through HRMS solution • Faculty Attendance capturing in the biometric device • Faculty can upload the publication details and other academic activities • Faculty can view the reports on Leave, On -duty and Attendance.

Finance and Accounts

• Finance Module also comprises of Admission, Fee Payment and Seat allotment. The Process Owner is the Finance officer. The following are the salient activities which can be performed using this module: • Fee groups and Fee categories creation • Fee Schedule creation • Late Fee and Refund rules • Normal Fee edit, Bulk Fee Edit through excel, Transaction edit • Adhoc Fee Generation for unscheduled fee collection • Customization of fee receipts through Letter template • Reports on fees payment on daily/weekly basis The stakeholders are the students and the following are facilitated to them: • Semester Fee paying with payment gateway integration • Download of Student Fee Receipt after payment of fees. • Hostel fees and Exam fees payment mode.

Examination

• The Process Owner is Controller of Examinations (COE) and the following functions are automated: • Online candidate enrolment process by paying the exam fees online or offline • Hall ticket generation for the enrolled students • Monitoring the Mark capturing by faculties in the system • Processing the marks • Publishing the results • Reports on exam activities on daily/weekly basis Stakeholders are students and staff who use/execute the following activities: • Semester exam fees payment mode for students • Student can download the hall ticket and results • Mark capturing by teaching staffs in the system • Faculty can generate the reports on CAT exams, internal marks and semester-end examinations

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Ashoke Ghosh	Aerospace Defence Manufacturing Technologies Conference, Chennai	Nill	3000
2020	Dr.Kadiresh P N	4th International Conference On Innovative Design, Analysis amp Development Practices In Aerospace And Automotive Engineering (IDAD-2020) - Held at Vel Tech Rangarajan Dr.Sagunthala RD Institute of Science and Technology, Chennai on 24-26, Feb 202	Nill	4000
2019	Sri Nithya mahottamananda	2nd international Conference of Aerospace Mechanical Engineering, School of Aerospace Engineering, University Sains Malaysia on 20-21 NOV 2019.	Nill	30000
2019	Mr. S. Jeavudeen	International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2019)	Nill	10000
2019	Dr. R. Karunanithi	Computational Materials	Nill	14000

		Modeling Simulation (CMMS 2020)		
2019	Dr. A. Muthu Manokar	11th International Energy, Energy and Environment Symposium (IEEEES-11)	Nil	2500
2019	Dr. U. Sabura Banu	WEEF 2019	Nil	15000
2019	Dr. A. Azad	WEEF 2019	Nil	15000
2019	Mrs. T. Rocky Devi	HR Analytics	Nil	6500
2019	Dr. Ansari Sarwar Alam	Start Up to Scale Up: Managment Policies Interventions	Nil	3000
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the University 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)
2019	Eclectic HR CONFAB' 19(2 Day International Conference) Organized by HR Faculty Training Academy In collaboration with Department of Commerce ,Crescent Innovation Incubation Council (CIIC) Training and Placement Cell Of BS	Nil	20/06/2019	21/06/2019	120	Nil

	Abdur Rahman Crescent Insti					
2019	Nil	Motivati onal Training Programm for Non.Teaching Staff	02/07/2019	02/07/2019	Nil	140
2019	Two Day Orientation Programme for Newly Joined Faculties	Two Day Orientation Programme for Newly Joined Non .Teaching Staff	08/07/2019	09/07/2019	47	43
2020	Nil	Four Soft Skills Training Programme for Non.Teaching Staff	05/08/2019	08/08/2019	Nil	43
2019	Webinar On "RESEARCH ETHICS"	Nil	06/05/2019	07/05/2019	93	Nil
2020	One Day ICT Enabled Faculty Development Programme on "Introduction Big Data Analytics"	Nil	07/08/2019	09/08/2019	27	Nil
2020	Two Training Programme on Techniques for Class Advisors on How Menr Counsel the Students	Nil	26/08/2019	28/08/2019	73	Nil
2020	Faculty Training	Nil	12/04/2020	12/04/2020	32	Nil

	Academy Has Arranged Webinar On " Stress Management					
2020	Webinar On "RESEARCH ETHICS"	Nil	06/05/2020	07/05/2020	93	Nil
2020	WEBINAR ON "Various project opportunities for DST funding . Strategies on International cooperation"	Nil	21/05/2020	23/05/2020	Nil	Nil
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Data science using Python	1	11/05/2020	15/05/2020	5
How write papers, proposals for research projects, Patents consultancy	1	21/04/2020	21/04/2020	1
Entrepreneurship startups for Students	1	19/04/2020	19/04/2020	1
Data sciences	1	18/11/2019	22/11/2019	5
A Systematic Software Based Approach Implement Outcome Based Education achieve Excellence leading Accreditation readiness	1	24/04/2020	24/04/2020	1
Python Programming	1	27/05/2020	28/05/2020	1

Application of MOODLE LMS	1	11/06/2020	25/06/2020	15
NeuroLinguistic Programming	1	10/06/2020	16/06/2020	7
MANAGING ONLINE CLASSES and CO.CREATING MOOCS:2.0	1	18/05/2020	03/06/2020	30
Design thinking	1	01/02/2020	31/03/2020	60
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
114	114	37	37

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Eligible staff members are granted earned leave and medical leave in addition to casual leave. • Female members of staff are eligible for maternity leave. • All members of staff are covered through group insurance for Accident Cum Hospitalization for a sum of Rs. 50,000/- • Bank loan is also facilitated to Teaching staff. • All staff members are enrolled in the scheme of Employees provident fund. • Gratuity is allowed to all Teaching and Non-Teaching staff at the time of superannuation. • Wards of the staff members are given fee concession during admission in UG and PG programme. • Furnished accomadation at concession rates are provided to the faculty in staff quarters. • Transport facility is provided to the faculty at concession rates. 	<ul style="list-style-type: none"> • All members of staff are granted earned leave and medical leave in addition to casual leave. • Female members of staff are eligible for maternity leave. • All members of staff are covered through group insurance for Accident Cum Hospitalization for a sum of Rs. 50,000/- • Festival advance Rs.10,000/- is given to non-teaching staff and recovered in 10 equal instalment without interest. • Bank loan is also facilitated to Non-teaching staff. • All staff are enrolled in the scheme of Employees provident fund. • Non-teaching staff are enrolled in the scheme of Employees state Insurance. • Gratuity is allowed to all Non-Teaching staff at the time of superannuation • Furnished accommodation at concession rates are provided to the faculty in staff quarters. 	<ul style="list-style-type: none"> • All students are covered through group insurance for Accident Cum Hospitalization to a sum of Rs. 25,000/- and for permanent total disability to a sum of Rs. 50,000/- through Star Health and Allied Insurance Company Ltd., Chennai. • Wifi, play ground (Foot ball, basket ball and tennis) and Separate Gym for Boys and Girls are available in the Institution, Hospital with Ambulance, Bank, Books Shop, ATM and Canteen facilities are also available. • Merit Scholarship for academically bright students based on their 2 Marks. • Travel and DA allowance support to meritorious sport students for participation in national level tournaments • Financial support for participation in national level innovative competiotions organised by government / semi

Facility to avail financial assistance through staff club on valid grounds. Family group Health Insurance Festival advance Appollo Shine Card

Transport facility is provided to the faculty at concession rates. • Wards of the staff are given fee concession during admission in UG and PG programme.

government bodies. • Facilitate students to receive fellowships from various agencies as per UGC norms.

6.4 – Financial Management and Resource Mobilization

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

? Yes, the Institute carries out the Internal External Audit regularly ? The Internal Audit of the Institute is carried out by Ernst Young LLP the External Audit is carried out by N .C Rajagopal Co, both these audit firms are having remarkably excellent services in the audit work and both the audit firms are very well renowned in the market. ? As a part of internal audit, Ernst Young LLP reviews critical process like (Admission, HR Payroll, Procurement, Fixed Asset Management Financial Accounting, and Revenue Recognition Statutory Compliance) on yearly basis. ? The coverage of the critical process is mentioned below. ? Admission - Verification of Application process, shortlisting of candidates, fee fixation, scholarship details and students admission. ? HR Payroll - Recruitment process. Payroll processing, training of new recruits, performance appraisal for both teaching and non-teaching staffs full and final settlements. Procurement -Review of operating expenses, vendor identification and selection process Purchase order processing, Goods receipt and invoice verification. ? Fixed Asset Management -Review of capital expenditure, fixed asset accounting (Capitalization including depreciation) and annual physical stock verification. ? Financial Accounting - Review of accounts payable, accounts receivable, general ledger, cash and bank balances, and financial statements of year-end closure. ? Revenue Recognition - Verification of fees receipts and checking of collection of fees which includes (Tuition fee, Transport, Exam fee, Hostel fee and other miscellaneous incomes). ? Statutory Compliance -Review of Provident fund remittances, Employees state insurance remittance, Goods and services tax returns, health and safety norms and Contract labour rules, Income tax payments, Personal loan EMI for employees and others applicable facts. ? The Statutory Audit reviews and vouches for the entries like (Receipts, Bill payments, Cash entries, Journals etc) of the Institute for the financial year. ? The statutory audit will review in-depth all the Incomes and the expenditures of the institute to ascertain that they are as per the standard accounting policies. ? The statutory audit will review the financial position of the institute and recommend how to effectively optimize any further additional liabilities to the institute. ? The financial audit report of the institute is prepared and submitted on time with the income tax department every year within the stipulated filing date. ? Internal Audit is to review the process of the financial systems which are as per norms and if there are any deviations in the current process they will provide us with the solutions to improve the current systems. ? The internal audit also recommends enhancing the current systems policy with the present leading best practices among the 'education intuitions'.

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
NIL	Nill	Nill
No file uploaded.		

6.4.3 – Total corpus fund generated

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	AAA audit (Feb 2020), External Academic Audit	Yes	Department Academic Audit
Administrative	Yes	AAA audit (Feb 2020), ISO 9001-2015 - DNV GL (December 2020)	Yes	ISO Internal Audit

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

Not Applicable

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

I. PREAMBLE This institution maintains a great harmony with parents and boosts their company and suggestions in improvising areas like Academic/Curricular/Administrative activities for all-encompassing development of the institution.

II. ACADEMIC ASSOCIATION ? Parents are stagecraft in the School Level Advisory Committee (SLAC) and Board of Studies (BOS) of the departments. Their perspective and suggestions about Curriculum reorient, syllabus adaption, initiation of new courses, innovation in teaching-learning etc. the SLAC BOS was conducted during June -July 2019 and Dec 2019- Jan 2020 across departments/schools of the institution wrapping all the programmes offered by the institution during 2019-20. ? Parents -Teachers meetings have been organized by the institution at regular intervals to facilitate the communication between the parents and faculty /Heads of the department/ Dean of the school to assimilate the academic performances by their wards. In the academic year 2019-20, the Parents - Teachers meeting was conducted in the month of September 2019 February 2020 in which parents participated. ? The institution manages SMS communications to broadcast parents about their ward performance in continuous assessment tests, semester-end examination, course wise attendance details etc periodically, in addition, it's been used for conveying other details in correlation to student perspective.

III. ACADEMIC AND ADMINISTRATIVE Parents are also a part online fee of Internal Quality Assurance Cell (IQAC) to offer their valuable suggestions on the following • Curricular aspects • Teaching, Learning and Evaluation • Research, Consultancy and Extension • Infrastructure and Learning Resources • Student Support and Progression • Governance, Leadership and Management • Alumni Connect • Admission ? In the academic year 2019-20, IQAC with the participation of external stakeholder members was held on 06.08.2019 18.02.2020. ? Online feedback facilitation has been offered to parents through which they stay connected to the institution 24/7

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

• Motivational Training Programm for Non-Teaching Staff • Two Day Orientation Programme for Newly Joined Faculties and Non-teaching staff • Four Days Soft Skills Training Programme for Non-Teaching Staff • Three Days Soft Skills Training Programme for Non-Teaching Staff • Motivational Training Programme for

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

- Automation of teaching-learning using Crescent LMS • Vibrant Innovation and Incubation facility • Value added courses conducted for all the students • Mandatory Industrial Internship • Estate maintenance of the campus with zero solid and bio waste and pollution, recycling water harvesting, most scientifically managed units with sustained leadership • Share in consultancy work • Outcome-based education incorporated • Choice based credit system • Emphasis on Entrepreneurship development • Accredited 22 programmes (inclusive of UG and PG programmes) • Green initiative • Research incentive scheme motivated to improve the h-index from 26 (CY2014) to 50 (CY2020)

6.5.6 – 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

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	One Day Main Workshop on C and CPP	29/02/2020	29/02/2020	29/02/2020	22
2020	FDP on HTML Programming	20/04/2020	20/04/2020	24/04/2020	200
2019	Eclectic HR CONFAB'19 (2 Day International Conference) Organized by HR Faculty Training Academy In collaboration with Department of Commerce ,Crescent Innovation Incubation Council (CIIC) Training and Placement Cell Of BS Abdur Rahman Crescent Insti	20/06/2019	20/06/2019	21/06/2019	120

2020	One day Faculty Development Programme on "Effective Teaching Practices" for all the faculties	02/07/2020	02/07/2020	03/07/2020	367
2020	Spoken Tutorial Course(Even Semester)	01/01/2020	01/01/2020	31/05/2020	2088
2020	HR FTA Department Have Organized Free Webinar On Intellectual Property Rights	28/04/2020	28/04/2020	30/04/2020	50
2020	Webinar On "RESEARCH ETHICS"	06/05/2020	06/05/2020	07/05/2020	93
2019	Four Days Soft Skills Training Programme for Non-Teaching Staff	05/08/2019	05/08/2019	08/08/2019	43
2019	Three Days Soft Skills Training Programme for Non-Teaching Staff	20/08/2019	26/08/2019	27/08/2019	102
2019	Webinar On " Entrepreneurship Govt Grant Schemes For Startups For Faculty	19/04/2020	19/04/2020	19/04/2020	67
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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
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			Female	Male
"MOTIVATIONAL TRAINING PROGRAMME FOR ADMINISTRATIVE STAFF "	02/07/2019	02/07/2019	96	54
Four Days Soft Skills Training Programme for Non-Teaching Staff	05/08/2019	08/08/2019	22	21
Three Days Soft Skills Training Programme for Non-Teaching Staff	20/08/2019	22/08/2019	67	53
Eclectic HR CONFAB'19(2 Day International Conference) Organized by HR Faculty Training Academy In collaboration with Department of Commerce ,Crescent Innovation Incubation Council (CIIC) Training and Placement Cell Of BS Abdur Rahman Crescent Insti	20/06/2019	21/06/2019	49	71
One day Faculty Development Programme on "Effective Teaching Practices" for all the faculties	02/07/2019	03/07/2019	188	179
Two Day Faculty Orientation Programme for Newly Joined Faculties	08/07/2019	09/07/2019	48	54
One Day ICT Enabled Faculty	09/07/2019	09/07/2019	22	3

Development Programme on "Engineering Graphics"				
One Day ICT Enabled Faculty Development Programme on "Introduction to Big Data Analytics"	07/08/2019	09/08/2019	10	17
Training Programme on Techniques for Class Advisors on " How to Mentor & Counsel the Students	26/08/2019	28/08/2019	26	47
Training Programme on Techniques for all Faculties on " Accademic Procedure for Mentoring & Counseling the Students"	14/10/2019	17/10/2019	43	79
Days Training Programme on Awareness of Audit on ISO 9001; 2015 for All Faculties	23/10/2019	31/10/2019	26	35
Days Training Programme on Awareness of Audit on ISO 9001; 2015 for All Faculties	06/11/2019	25/11/2019	38	47
Training Programme On Excelence In Teaching	03/12/2019	03/12/2019	25	8
Faculty Training Academy Has Arranged Webinar On " Stress Management"	12/04/2020	12/04/2020	43	38
Advancing Through Adversity Fee	14/04/2020	14/04/2020	38	25

Webinar On " Entrepreneurship & Govt Grant Schemes For Startups For Faculty"	19/04/2020	19/04/2020	37	30
FTA Has Arranged Webinar On " Why & How To Write Papers, Proposals For Research, Projects, Patents & Consultancy"	21/04/2020	23/04/2020	42	40
Faculty Training Academy Has Arranged Webinar On " Stress Management"	23/04/2020	23/04/2020	22	35
HR & FTA Has Organized A Free Webinar On "Communication Skills For Teachers"	26/04/2020	26/04/2020	44	48
Webinar On "RESEARCH ETHICS"	06/05/2020	07/05/2020	49	44

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
<p>Solar Water Heater System A 100 litres' capacity SWHS can replace an electric geyser of 2 KW. 36500 Liters of SWHS can replace 365 numbers of geyser of 2 kW. For the southern region, 800 - 900 units of electricity may be saved. Electrical energy can be saved 365 numbers of 100 litres × 820 units of electricity from 36500 SWHS 2,99,300 units/ year. 36500 litres of SWHS can save an amount/year Rs 23,94,400 /- Rs 24 Lakhs per year (approx.) 100 litres can prevent the emission of up to 1.5 tons of CO2 Installed 36500 litres of SWHS system Prevent emission of CO2 365 numbers of 100 litres × 1.5 tons of CO2 547.5 tons of CO2 Percentage of the power requirement of the University met by the renewable energy sources:38.6</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	1

Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1
Any other similar facility	Yes	1

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	25/07/2019	1	Swachh Bharat Mission	NSS, CRESCENT, 3 UNITS	153
2019	1	1	08/08/2019	1	Distribution of Flood Relief Materials to Needy in Nagure, Nagapptanam, Tamil Nadu	NSS, CRESCENT, 3 UNITS	18
2019	1	1	19/08/2019	1	Fit India Programme	NSS, CRESCENT, 3 UNITS	33
2019	1	1	30/08/2019	7	Assistance to Government Officials for uploading details of Scholarship in the Government Website	NSS, CRESCENT, 3 UNITS	150
2019	1	1	05/09/2019	1	NSS Volunteers had participated in data entry of Tamil	NSS, CRESCENT, 3 UNITS	205

					Nadu Government Chief Minister Grievance Redressal Schemes to the respective Government website		
2019	1	1	25/09/2019	1	NSS Day Celebration on 24th September by Conducting Campus Cleaning and Other Competitions.	NSS, CRESCENT, 3 UNITS	203
2020	1	1	16/03/2020	1	Nilavebu Kudineer distribution to the Staff and Students at the Crescent campus	NSS, CRESCENT, 3 UNITS	310
2020	1	1	11/02/2020	1	Conducted Blood Donation Camp	NSS, CRESCENT, 3 UNITS	107
2020	1	1	08/03/2020	1	International Women's Day	NSS, CRESCENT, 3 UNITS	105
2020	1	1	17/03/2020	5	Mega Bamboo Tree Plantation Drive - BE A PART OF: GO GREEN SAVE GREEN	NSS, CRESCENT, 3 UNITS	450
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Title	Date of publication	Follow up(max 100 words)
Students code of conduct	04/07/2019	<p>After implementation of code contact following measures were taken for the maintenance. The orientation programme has been conducted every year for all the UG and PG students. To enhance the code of conduct among the students, three weeks student's induction programme was conducted. Each student was provided with an Anti-Ragging booklet containing code of conduct information and an acknowledged declaration signed by each student after understanding the booklet information. Proctorial, anti-ragging and discipline committee including faculty members from each department does the routine rounds to maintain core values, discipline, dress code, respect, dignity, impartiality, courtesy, non-discrimination and conversant with the rules and regulations of the Institution.</p>
Code of conduct for students (General)	04/07/2019	<p>Proctorial, anti-ragging and discipline committee including faculty members from each department does the routine rounds to maintain core values, discipline, dress code, respect, dignity, impartiality, courtesy, non-discrimination and conversant with the rules and regulations of the Institution. Apart from personnel contact (Students' Grievance Redressal nodal officer, Anti-Ragging Nodal officer, Internal Complaints Committee members), different institute locations</p>

		placed complaints boxes to receive and address issues related to student code conduct.
Code of Conduct for Employees, Teachers, non-teaching staff, administrators	08/08/2019	Decisions concerning career development, promotion, succession planning and compensation depend on the information provided through effective performance management. Our institute will ensure that all new employees understand the requirements of their jobs and the expected results. The actual assessment of how well they have performed will be undertaken at the end of each year through a comprehensive appraisal of their performance in relation to these expectations.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Faculty Training Academy Has Arranged Webinar On " Stress Management	23/04/2020	23/04/2020	57
HR FTA Has Organized A Free Webinar On "Communication Skills For Teachers"	26/04/2020	26/04/2020	92
HR FTA Has Organized A Free Webinar On "Introduction To Leadership From The Emerging Future"	02/05/2020	02/05/2020	56
HR FTA Has Arranged Webinar On "RESEARCH ETHICS"	06/05/2020	07/05/2020	93
HR FTA Has Arranged Webinar On "Deep Listening"	09/05/2020	09/05/2020	43
Motivational Training Programme for Administrative Staff Film Chowrastra	02/07/2020	02/07/2020	150

Two Days Training Programme on Techniques for Class Advisors on How to Mentor Counsel the Students	26/08/2019	28/08/2019	73
Three Days Training Programme on Techniques for all Faculties on Accademic Procedure for Mentoring Counseling the Students	14/10/2019	16/10/2019	122
Training Programme On Excelence In Teaching	03/12/2019	03/12/2019	33
Faculty Training Academy Has Arranged Webinar On " Stress Management	12/04/2020	12/04/2020	81
View File			

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

- Replacement of Individual AC unit into URV centralised HVAC system in various Building
- Solar Street lights provided on our campus in various location
- Passive infrared Motion Sensor lights provided in Computer Science Block lab, Auditorium 1st-floor Gents toilet and higher officials cabin for energy savings
- Garbage Incinerator machine installed in our campus solid waste management yard with 50kg/hr capacity reducing waste product to inert ash.
- Beema Bamboo Plants 2000Nos planted in the whole campus for Co2 reduction approx. area 2 acres

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICES OF THE INSTITUTION BEST PRACTICES OF THE INSTITUTION FOR THE YEAR 2019-2020 BEST PRACTICE 1 IMPLEMENTATION OF CRESCENT LMS USING OPEN-SOURCE PLATFORM Objectives of the practice:

- o To offer online course content delivery and assessments accessible to faculty and students from anywhere and at any time.
- o To promote teaching-learning through bi-directional engagement.
- o To provide unlimited access to course materials.

The Context

- The institute has implemented Crescent LMS, a learning management system (<https://lms.crescent.education>) which operates in Moodle - Open Source software as front end with back end hosted on the Cloud platform in a secured manner.
- It has massive infrastructure capability to handle faculty and student request for all the courses offered by the institution.
- It is made available 24 X 7 for the benefit of students and faculty for engaging teaching-learning.

The Practice

- The faculty members were asked to enrol their students, course wise, in Crescent LMS when the institute was closed down based on Government guidelines
- Faculty members uploaded the course materials, PPT, videos and audios for the benefit of the students.
- Students were provided with a login and user ID to access the course contents and actively participate in the learning process, in a secured manner, which is also monitored by the

respective course teachers. • On the Homepage of each student, a simple and user-friendly menu is provided to access lecture notes, videos, e-books, presentations, announcements uploaded by the course teacher. • Further engagement happens through posting comments submission of assignments, taking up the quiz, participation in chats and forums etc., with regular reminders to keep track of their progress in each activity engaged by them. Evidence of Success • Implemented successfully in the academic year 2019-20. • 4870 students were enrolled in 393 courses offered by 213 faculty members of 20 departments in the Even semester 2019-20. • In the wake of nationwide lockdown due to Covid-19, the institute geared up to ensure teaching-learning is not disrupted during this time of pandemic due to the implementation of Crescent LMS. • Facilitated the faculty to track the online engagement of students through report generation, thus providing scope for following up with students' progression in the course. Problems Encountered and Resources Required Problems Encountered o The size of the file is limited for a single upload. o Online streaming of class is yet to be enabled. Resources Required • Enhanced storage space is required for incorporating new software and tools. • Graphical User Interface can be upgraded to provide a better user experience. BEST PRACTICE - 2 IMPLEMENTATION OF GREEN INITIATIVES IN BSACIST Objectives of the practice: • Follow sustainable construction practices. • Solid waste management program to separate recyclable waste and dispose of all waste in a non-polluting and responsible manner. • Energy and water conservation measures • Establish campus renewable energy sources like roof-top solar power plants, Bio- Gas plants etc. • Green belt development • Getting all buildings certified as green buildings (Gold rating) The Context • To implement practices to ensure the pollution-free environment • To use renewable energy • To conserve water and energy on the campus The Practices • Getting all buildings certified as green buildings (Gold rating) Under USGBC- LEED/GBCI-EDGE/IGBC rating systems. • Renewable Energy: o Solar Power Plant - Capacity: 650 kWp ? 150kWp - Vikram Solar ? 100kWp - Fourth Partner Energy ? 300kWp - Fourth Partner Energy ? 100 kWp in progress o Solar water heaters: ? Installed Capacity in Hostels and staff quarters: 36,500 litres (Equivalent to 240 electric geysers of various capacities) o Solar Street Light ? Solar street lights are provided towards staff quarters to Mens hostel road and Architecture block area. This project was done by our III year EEE students. o Biogas Mechanization Plant ? A Biogas plant of 50m3 capacity for Ladies Hostel is commissioned. The food waste collected from hostel mess and canteen is recycled in the biogas plant. The gas generated from the plant is utilized for cooking in the Ladies Hostel mess Kitchen. o Ecobin (250Kg/day) o Garbage Incinerator with 50Kg/hr capacity • Safety and security Measurements o Fire Extinguishers in Campus (321) o CCTV system on campus (317) • Protected Water Supply o Water treatment plants o RO drinking water plants • Sanitation facility • Environmental sustainability o Rainwater harvesting o Sewage treatment plants ? Institute - 250 KLD : 2003 and revamped in 2015 ? Hostel - 250KLD : Commissioned in 2014 o Napkin Burner (Attached with Wet Scrubber for Pollution Control) • Transport vehicles o 48 vehicles ? All vehicles are provided with speed governor as per RTO norms ? Except for cars all other vehicles are with Neo track software for vehicle tracking • Hostel o Men's Hostel - 481 rooms inclusive of 57 AC rooms and can accommodate 1712 boys o Women's Hostel - 200 rooms inclusive of 27 AC rooms which can accommodate 500 boys • Staff quarter (72) and guest house (18) • Essential worker's quarters • Beema bamboo plants for CO2 reduction and created Oxy park. • Total power generated through the Solar PV plants is 19,87,499 units till 30th June 2019 contributing to the average monthly consumption of 37 • Avoided emission of greenhouse gases to the equivalent of 11,84,566kg CO2 due to generation of renewable energy by Solar PV power plants • LED fixtures - of around 50.87KW capacity has been installed on our campus in the past 6 years. At least 60 of less power is consumed because of this initiative. • Monitoring solar panels online Evidence of Success • Certification for E-waste (Rules 2016 clearance) •

Certification for Solid waste (Rules 2016 clearance) • Certification for Bio-medical waste (Rules 2016 clearance) • Certification for Sanitation • Certification for water quality • Certification for Fire Safety • Certification from Airport Authority of India • Certification for Food Safety Problems Encountered and Resources Required Problems Encountered Nil Resources Required 100 in-house manpower and materials used

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

https://crescent.education/wp-content/uploads/2020/12/Best-Practices-19_20.pdf

7.3 – Institutional Distinctiveness

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

Crescent Innovation Incubation Council, an innovation ambit of BSARCIST, aims to be a University-based Technological Business Incubator of Excellence nationally and internationally. CIIC will focus on transforming innovation into scalable business models with high productive impact and encouraging interdisciplinary advancement in the University, eventually creating economic development and community wealth. CIIC supports 22 student start-ups, two faculty start-ups, and 40 external start-ups. More than 420 people have been found employment opportunities through CIIC start-ups. CIIC emphasises the mantra 'patents to start-ups' and have supported 49 patent processing, out of which 33 are from University exclusively. Through government seed grants, CIIC start-ups have raised Rs. 141.76 Crore and Rs. 41.5 Crore. Of private investment funds. BIONEST, BIRAC, GoI supports CIIC with a total grant amount of Rs. 1.8 Crore. ARIIA, GoI has ranked BSARCIST under Band A (6-25) through the support of CIIC, and CIIC received a 5star ranking for IIC within a year of operation. As per the survey by Biospectrum Magazine, CIIC Bio-incubator has positioned 4th place in India. CIIC is recognized by the European Commission for collaborative projects and soft landing of start-ups in either country. CIIC start-ups were proactive in providing 22 frugal solutions to society during the COVID lockdown period.

Provide the weblink of the institution

<https://www.ciic.ventures/>

8.Future Plans of Actions for Next Academic Year

• 20 New Programmes in Emerging Areas • 100 Ph.D qualified faculty • Attainment of Programme Outcomes > 90 • To attract International scholars to pursue collaborative quality research • To offer Post Doctoral Programme in all the departments • To achieve a h-Index of 100 in the next 10 years • To become an Institution with all faculty members having Ph.D. Qualification • To initiate more Collaborative research work with premier Universities Industries • To create more centres of excellence for advanced studies and research • CIIC will incubate and handhold 175 Startups in 5 years • Top position in the National International Rankings