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

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

2017-18

INTERNAL QUALITY ASSURANCE CELL (IQAC)

B.S. Abdur Rahman

Crescent

Institute of Science & Technology

Deemed to be University u/s 3 of the UGC Act, 1956

GST Road, Vandalur, Chennai 600 048

Dr. A. Azad
REGISTRAR

B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956
ACCREDITED WITH 'A' GRADE BY NAAC

Lr. No. 2062 :C1: 2018   1st November 2018

To

The Director
National Assessment and Accreditation Council
P.O. Box No. 1075
Nagarbhavi, Bangalore – 560 072

Sir,

Sub: Submission of Annual Quality Assurance Report (AQAR) for the year 2017-18 – Cycle I – Reg.

Ref: Track ID: TNUNGN11169

I am pleased to submit the Annual Quality Assurance Report (AQAR) for the year 2017-18. The AQAR has been uploaded on our website on 1st November 2018.

With best wishes,

Yours Sincerely,

(Dr. A. Azad)
Registrar

Encl: Annual Quality Assurance Report (AQAR) 2017-18
(TNUNGN11169, - B.S. Abdur Rahman Crescent Institute of Science & Technology, Vandalur, Chennai)

Seethakathi Estate, GST Road, Vandalur, Chennai - 600 048, TN, India.
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email : registrar@crescent.education
www.crescent.education

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution

B.S. Abdur Rahman Crescent Institute of Science & Technology

1.2 Address Line 1

Seethakathi Estate

Address Line 2

GST Road, Vandalur

City/Town

Chennai

State

Tamilnadu

Pin Code

600 048

Institution e-mail address

bsar@crescent.education

Contact Nos.

+ 91-44 - 22750005, 22750202, 22750006, 22751347

Name of the Head of the Institution: Dr. SAHOL HAMID BIN ABU BAKAR

Tel. No. with STD Code: + 91-44 - 22750005

Mobile: +91 7708547999

Name of the IQAC Co-ordinator: Dr. R. Raja Prabu

Mobile: + 91 9444013050

IQAC e-mail address:

director.aria@crescent.education

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

TNUNGN 11169

1.4 **NAAC Executive Committee No. & Date:**
   (For Example EC/32/A&A/143 dated 3-5-2004.
   This EC no. is available in the right corner- bottom
   of your institution's Accreditation Certificate)

EC(SC)/ 01A&A/ 080 dated 05.05.2014

1.5 Website address:

www.crescent.education

Web-link of the AQAR:

www.crescent.education/NAAC/AQAR2017-18.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.08	2014	5 years (upto May 2019)
2	2nd Cycle	-	-	-	-
3	3rd Cycle	-	-	-	-
4	4th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC: DD/MM/YYYY

02.09.2013

1.8 AQAR for the year *(for example 2010-11)*

2017 – 18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

   i.   AQAR 2016-17 submitted to NAAC on 08.09.2017
  ii.   AQAR 2015-16 submitted to NAAC on 07.06.2016
 iii.   AQAR 2014 – 15 submitted to NAAC on 10.06.2015

1.10 Institutional Status

University   State [ ]   Central [ ]   Deemed [✓]   Private [ ]

Affiliated College   Yes [ ]   No [✓]

Constituent College   Yes [ ]   No [✓]

Autonomous college of UGC   Yes [ ]   No [✓]

Regulatory Agency approved Institution   Yes [✓]   No [ ]

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution   Co-education [✓]   Men [ ]   Women [ ]

Urban [✓]   Rural [ ]   Tribal [ ]

Financial Status   Grant-in-aid [ ]   UGC 2(f) [ ]   UGC 12B [ ]

Grant-in-aid + Self Financing [ ]   Totally Self-financing [✓]

1.11 Type of Faculty/Programme

Arts [✓]   Science [✓]   Commerce [✓]   Law [✓]   PEI (Phys Edu) [ ]

TEI (Edu) [ ]   Engineering [✓]   Health Science [✓]   Management [✓]

Others   (Specify)   Architecture, Arabic and Islamic Studies

1.12 Name of the Affiliating University *(for the Colleges)*   Not Applicable

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University   -

University with Potential for Excellence   -   UGC-CPE   -

DST Star Scheme   -   UGC-CE   -

UGC-Special Assistance Programme   -   DST-FIST   -

UGC-Innovative PG programmes   -   Any other (*Specify*)   Minority

UGC-COP Programmes   -

2. IQAC Composition and Activities

2.1 No. of Teachers   14

2.2 No. of Administrative/Technical staff   6

2.3 No. of students   1

2.4 No. of Management representatives   1

2.5 No. of Alumni   1

2.6 No. of any other stakeholder and

   Community representatives   1

2.7 No. of Employers/ Industrialists   1

2.8 No. of other External Experts   1

2.9 Total No. of members   26

2.10 No. of IQAC meetings held   3

2.11 No. of meetings with various stakeholders: No. 49   Faculty 34

   Non-Teaching Staff 1   Students 9   Alumni 5   Others -

2.12 Has IQAC received any funding from UGC during the year?   Yes   No

   If yes, mention the amount   -   ✓

2.13 Seminars and Conferences (only quality related)

   (i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

   Total Nos. 9   International -   National -   State -   Institution Level 9

(ii) Themes

- ❖ Orientation programme for newly joined faculty members was organised during 06/08/2018 to 10/08/2018
- ❖ Orientation Programme for B.Tech students was conducted on 17.07.17-18.07.18
- ❖ Orientation Programme for BCA, B.Sc, B.Com, BBA students was conducted on 19.07.17-20.07.17
- ❖ Orientation Programme for B.Arch & B.Des students was conducted on 17.07.17
- ❖ Orientation Programme for B.Pharm students was conducted on 23.08.17
- ❖ Orientation Programme for Law students was conducted on 23.07.17
- ❖ One week workshop on "Strategies for innovative and Quality Research" was organised during the period 31/07/2017 to 04/08/2017.
- ❖ Three day Workshop on "Writing Quality Research Articles, Project Proposals and Patents" was organised during the period 20.07.2018 –22.07.2018.
- ❖ A One day workshop on "Innovative Pedagogy" was conducted on 05/08/2017

2.14 Significant Activities and contributions made by IQAC

- IQAC conducted department wise meetings to get the feedback on the academic parameters, exam reforms and student support. Based on the feedback, further analysis was done to bring major reforms in the regulations, teaching learning process and student support systems.
- Based on the feedback from department wise meetings, HoDs/ Deans/ Directors meetings, feedback from statutory bodies and stakeholders (students, parents, alumni, employer, etc.,), the following changes were introduced in the academic year 2017-18:

Curriculum & Syllabi

- 1 or 2 credit courses were introduced in the B.Tech curriculum to cater to the needs of industry and to facilitate the affiliate / adjunct faculty to handle these courses.
- Introduction of Laboratory-integrated Theory courses for B.Tech Programmes.
- Practical training and internship in Industry / R&D Organizations / Eminent academic Institutions was introduced in the curriculum as 2 credit course for all B.Tech. Programmes in order to provide required skill and to increase the employability of students.
- To encourage students to carry out projects in the industry, VIII semester was allotted exclusively for project work for B.Tech Students. The credit for the project work was increased to 12 from the existing 9 credits.
- To effect change in MBA programme offered from trimester to semester pattern from the academic year 2018-19 in line with AICTE model curriculum.

Other salient contributions:

- Facilitated the students to pursue special internship at reputed academic institution abroad / industry.
- Setting and monitoring of Institution Transformation Key Performance Indicators (KPI's) of department / school at regular intervals.
- Successful implementation of evening Re-do / Pre-do courses and supplementary examinations for the benefit of students.
- Implemented conduct of two BOS meeting by departments / schools to offer significant change in respective curriculum and syllabus and to bring model AICTE curriculum for implementation from the academic year 2019-20.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
To induct affiliate faculty members in each department to handle one credit/ Two credit courses	More than 145 affiliate faculties from academia/industries were nominated in various departments in the academic year 2017-18. 28 courses were handled by the affiliate faculty across different programmes.
To introduce choice based credit system in all programmes	The Institution follows CBCS for all B.Tech Programmes/ M.Tech Programmes from the academic year 2013-14. Choice based credit system was also introduced in the newly started programmes like B.Com, BBA, B.Pharm, B.Des, B.Arch, B.Sc in the academic year 2017-18.
Revised curriculum and syllabus for all UG programmes as per industry needs	The curricula and syllabi of 25 UG programmes were revised considering the industry needs and giving emphasise to the inputs from the stakeholders such as academicians, industry experts, students, parents and alumni which was received through consultative meetings, Board of Studies , statutory bodies etc.,
To facilitate the students to study MOOC courses	The Regulations of all programmes facilitate the students to study MOOC courses and subsequent transfer of credits. In the academic year 2017–18, 90 students and 36 faculty members successfully completed MOOC courses.
Industry exposure to all students of Engineering programmes	To make the students industry ready, the course Industry Internship is introduced in the B.Tech Regulations 2017. In addition, students were facilitated to undergo special internships in companies (Renault Nissan) and academia abroad (Purdue University). UG students were also encouraged to pursue their final year project in the industry or institutions of eminence.

Attach the Academic Calendar of the year as Annexure.

Annexure – I: Academic Calendar for the year 2017-18

2.15 Whether the AQAR was placed in statutory body   Yes ✓   No ☐

Management ✓   Syndicate ✓   Any other body   ✓

Provide the details of the action taken

- Annual Quality Assurance Report for the academic year 2017-18 was presented in the IQAC meeting held on 14th August 2018 (vide agenda item No.12.2.13), Planning and Monitoring Board meeting held on 18th August 2018 and suggestions were received.
- The AQAR report was also approved in the Tenth meeting of Academic Council held on 29th August 2018 (vide agenda item No.12.2.13) and 14th meeting of Board of Management held on 26th September 2018.

Part – B

Criterion – I

1. **Curricular Aspects**

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	19	-	All our programmes are self financing programmes	-
PG	20	-	All our programmes are self financing programmes	-
UG	27	BCA (Data Science) B.Com (General) B.Com (Accounts & Finance) BBA LLB B.Com LLB B.Pharmacy BBA B.Des. B.Sc. Biotechnology	All our programmes are self financing programmes	23 Polymer -1 Civil - 2 CA-4 IT-1 ECE-1 EEE- 1 EIE-2 Aero-1 SLS-3 Arch.– 4 Islamic

				Studies – 2 English - 1
PG Diploma	1	-		-
Advanced Diploma		-		-
Diploma		-		-
Certificate	1	-		-
Others		-		-
Total	68	9	-	23

Interdisciplinary	-	B.Com LLB, BBA LLB,	-	-
Innovative	-	-	-	-

CSE - Computer Science & Engineering; IT - Information Technology; ECE - Electronics & Communication Engineering; EIE - Electronics & Instrumentation Engineering; SLS - School of Life Sciences CA – Computer Application

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1.2 (i) Flexibility of the Curriculum: **CBCS** /Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	47
Trimester	1
Annual	0

1.3 Feedback from stakeholders*   Alumni ✓   Parents ✓   Employers ✓   Students ✓
    (On all aspects)

   Mode of feedback   :   Online ✓   Manual ✓   Co-operating schools (for PEI) -

Please provide an analysis of the feedback in the Annexure (Please see Annexure –II**)*

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

- Yes, Major revision in the Regulations and curricula was carried out for all B.Tech. programmes (except Biotechnology) in the academic year 2017-18.

  The salient features are as follows:

  o Provision for 1 or 2 credit courses in the curriculum which are immediate need of the industry.

  o Introduction of Laboratory-integrated Theory courses

- o Provision for course delivery by international faculty or industry expert, which can be a 1 credit or 2 credit elective courses.
- o Practical training and internship in Industry / R&D Organizations / University-recognized Institutions was made mandatory for all B.Tech. Programmes in the curriculum in order to provide required skill and increase the employability of students.
- o To encourage students to carry out projects in the industry, VIII semester was allotted exclusively for project work. The credit for the project work was increased to 12 from the existing 9 credits.
- o The curriculum framework was designed in line with ABET requirements: Basic Science and Mathematics (34 Credits) -18%, Programme core (69 Credits) - 40% and Electives (64 Credits) - 37%.
- o Design is the back bone of all engineering programmes, hence a course on "General Engineering Design" was offered to all branches of study of B.Tech Programme.
- o To train the graduates to be employers, "Social Entrepreneurship" and "Leadership and CEO Training" were introduced as core courses in the curriculum.
- o Students are provided opportunity to study MOOC courses under SWAYAM portal, NPTEL etc., as per guidelines of UGC.

- New clauses were introduced in the M.Tech., M.Sc., MCA Regulations 2016 and B.Tech., Regulations 2013 with respect to evening Re-do courses, validity of internal marks, MOOC Courses, supplementary examinations, and substitute examination.
- To make the graduates as employers, "Social Entrepreneurship" and "Leadership and CEO Training" were introduced as core courses in the B.Tech Regulations 2013.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

- Crescent School of Law
- Department of Commerce
- Crescent School of Pharmacy

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

(as on Feb. 2018)

Total	Asst. Professors	Associate Professors	Professors	Others
362	240	44	60	11

2.2 No. of permanent faculty with Ph.D.   156

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

	Asst. Professors		Associate Professors		Professors		Others		Total	
	R	V	R	V	R	V	R	V	R	V
	21	-	1	-	2	-	4	-	28	-

2.4 No. of Guest and Visiting faculty and Temporary faculty   -   7   -

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	73	149	99
Presented papers	152	96	5
Resource Persons	19	20	31

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Project based learning
- Peer Assisted learning
- Outcome based instruction
- Activity based learning
- Web based learning
- Demo
- Focused group discussion
- Live case study
- Role Play
- Video based learning
- Experimental learning
- Industrial Visits

2.7 Total No. of actual teaching days during this academic year   180

2.8 Examination/ Evaluation reform initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- Online assignments using Multiple Choice questions are also a part of internal assessment.
- The question paper pattern was revised to facilitate evaluation of 1 / 2 / 3 credit courses.
- The students are permitted to apply for revaluation of answer scripts.
- The students are permitted to obtain the photo copy of answer scripts based on request.
- Setting of two different question papers for all the courses is made mandatory.
- Theory courses shall be evaluated by conducting 2 assessment tests and one end semester examination. The 2 assessments were considered for 50% weightage and the semester end examination for 50% weightage.

- Final Year students can apply for supplementary examination for a maximum of two courses thus providing an opportunity to complete their degree programme. Likewise students with less credit can also apply for supplementary examination for a maximum of two courses to enable them to earn minimum credits to move to higher semester.

2.9 No. of faculty members involved in curriculum restructuring/ revision/ syllabus development as member of Board of Study/Faculty/Curriculum Development

165	350	350

2.10 Average percentage of attendance of students

> 85%

2.11 Course/Programme wise distribution of pass percentage: (2017-18)

Title of the programme	Branch of Study	Total no. of students appeared	Division			
			Distinction (%)	I (%)	II (%)	Pass (%)
B.Tech.	CIVIL	167	10	43	18	71
B.Tech.	MECH	244	9	55	19	83
B.Tech.	POLY	32	6	56	9	72
B.Tech.	EEE	62	11	39	21	71
B.Tech.	ECE	88	17	55	14	85
B.Tech.	EIE	25	8	52	20	80
B.Tech.	CSE	77	23	57	10	91
B.Tech.	IT	47	6	40	26	72
B.Tech.	AERO	12	33	58	-	92
B.Tech.	AUTO	48	8	46	8	63
B.Tech.	BIOTECH	69	19	68	3	90
B.Tech.	CBIOTECH	7	14	57	-	71
B.ARCH	ARCHITECTURE	72	0	33	50	83
B.A	ISLAMIC STUDIES	42	21	45	26	93
B.A (Part-Time)	ISLAMIC STUDIES	5	20	40	-	60
B.TECH. (Part-Time)	MECH	30	10	60	20	90

M.Tech.	STRUCTURAL	25	8	60	20	88
M.Tech.	CEPM	5	40	20	-	60
M.Tech.	MANUFACTURING	8	38	50	13	100
M.Tech.	PSE	3	0	100	-	100
M.Tech.	COMMUNICATION SYSTEMS	3	33	67	-	67
M.Tech.	EIE	3	67	-	-	67
M.Tech.	CSE	7	14	71	-	86
M.Tech.	IT	4	50	-	-	50
M.Sc	CHEMISTRY	4	25	75	-	100
M.Sc	ACTUARIAL SCIENCE	8	50	38	13	100
M.Sc	PHYSICS	7	43	43	14	100
M.Sc	MICRO	2	100	-	-	100
M.Sc	BIO	6	33	50	-	83
MBA	MBA	105	13	48	28	89
MCA	MCA	75	16	76	8	100

2.12 How does IQAC Contribute / Monitor / Evaluate the Teaching & Learning processes:

The IQAC

- Monitors the teaching and learning process through lesson plan, course material, analysis of the continuous assessments, conduct of theory and practical courses, internal academic audit, etc.
- Scrutinizes the minutes of the meeting of all class committees of all programmes and provide measures to improve teaching learning process.
- Provides suggestions to improve the process of teaching and learning based on the analysis of the students' feedback about the courses and teachers handling the courses.
- The questionnaire for students feedback about the teachers handling the course was revised on a ten point scale from existing 5 point scale.
- Monitors and evaluates the quality of teaching in the classroom through regular class visits.
- Analyses semester end examination results, deliberate in the appropriate forums to give suggestions for improvement.

- Root cause analysis is carried out after every semester and facilitate initiation of necessary remedial action.
- Monitor the efficacy of Project Based Learning by review of reports submitted by Departments/Schools.
- Conducts seminars and workshops for faculty members to enhance the teaching learning process.
- Facilitate conduct of HOD's and School deans meeting at regular intervals to review the academic process and student progression
- Monitors the conduct of peer assisted learning sessions.
- Reviews the programme educational objectives and outcomes.
- Feedback from stake holders, class committee meeting, department wise faculty meeting etc are obtained to understand the working of academic system and accordingly suggest measures for improvement.
- Facilitate department/schools to conduct BOS at regular intervals to encourage introduction of elective courses of industrial relevance and to make changes in the curriculum and syllabi on need basis.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	44
UGC – Faculty Improvement Programme	18
HRD Programmes	6
Orientation Programmes	104
Faculty Exchange Programme	3
Staff Training Conducted by the University	590
Staff Training Conducted by other Institutions	10
Summer / Winter schools, Workshops, etc.	19
Others	9

2.14 Details of Administrative and Technical staff (as on Feb 2018)

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	104	-	-	
Technical Staff	115	-	-	

Criterion – III

3. Research, Consultancy and Extension

3.1. Initiatives of the IQAC in sensitizing /promoting Research Climate in the Institution

- The IQAC coordinates with two tier research committees to monitor and address the issues related to research. They are:

  (i) Research Advisory Committee

  (ii) Research Board

- In order to enforce quality academic research, the following programmes were conducted in the academic year 2017 -18.

  ✓ One week workshop on "Strategies for Innovative and Quality Research" during 31st July to 5th August 2017

  ✓ A One day workshop on Scholarly Article Writing and Journal Publications was conducted on 13.03.2018

  ✓ A workshop on "Data Analytics using SPSS" was conducted during the period 02.05.2018 - 05.05.2018

- To improve the quality of M.Tech Projects, the plagiarism check using Turnitin software (with fixed similarity index level) was made mandatory and successfully implemented in the academic year 2017-18.

- Framed the guidelines to provide direction for the growth and enhancement of research ambience.

- To promote research ambiance, protected wi-fi facility is extended to all areas in the campus.

- To enhance consultancy activities Key Performance Index (KPI's) were assigned to faculty / department /school to achieve the same in the calendar year. The progress in this regard was also monitored and accordingly HODs were given suggestions for improvement.

- Major equipment calibration drive was conducted during December 2017 – January 2018 across all the departments/Schools.

- Faculty members were encouraged to take up industry oriented projects to execute the same in the Institution with incentives.

Some of the measures taken to promote research are listed below:

- The Institute has allotted three fellowships per department and in total 63 fellowships were permitted to pursue quality research. At present our institute has awarded 19 junior research fellows and 01 senior research fellow and 26 research scholars have completed their fellowship in the duration of three years. (Rs. 10,000/- per month for JRF of Science Branches and Rs.15,000/- per month for JRF of Engineering branches, Rs.12,000/- per month for SRF of Science Branches and Rs.18,000/-per month for SRF of Engineering branches).

- 22 scholars are receiving fellowships from various government agencies such as MANF, CSIR, DST,

RGF, UGC NET, WoS, SERB and AYUSH.

- The Institute subscribes to more than 17,000 e-journals, along with back volumes for more than 15 years. (E-journals include IEEE, Science Direct, Springer, ASME, ASCE, ACM, Emerald, etc.).
- Separate budget is allocated for R&D to all the departments / schools of the Institution.
- Essential infrastructure including Space, Machinery, Equipment, Computers, Internet Connections etc., are provided and upgraded from time to time for the benefit of research scholars.
- A separate research zone (a unique facility) was created in the Institute with 40 computers with 24/7 access to motivate research scholars and to enhance research activities.
- The Institute offers internal funding to students and encourages them to submit project proposal/ participation in innovation contests through Dr.APJ Abdul Kalam Innovation Centre.
- Encourages UG and PG Students to participate in national and international conferences, summer internship in Industries / R&D organizations etc.,
- Promotes interdisciplinary research proposals by faculty / students.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	7	2	37
Outlay in Rs. Lakhs	5.88	230.66	37.84	872.5

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	1	1
Outlay in Rs. Lakhs	-	-	9.91	1.5

3.4 Details on research publications

	International	National	Others
Peer Review Journals	185	69	-
Non-Peer Review Journals	-	-	-
e-Journals	185	69	-
Conference proceedings	170	72	-

3.5 Details on Impact factor of publications:

Range | 0.118 - 9.125 | Average | 1.612 | h-index | 38 | Nos. in SCOPUS | 134 |

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned	Received (Lakhs)

			(Lakhs)	
Development of Graphene and Metal Nano particles Reinforced Flexible Polymer nano composites for Effective Electromagnetic Interference (EMI) Shielding Applications	3	DST-SERB	28.01	15.50
Development of Hybrid Rocket Motor	3	Aeronautical Research & Development Board, DRDO	9.83	9.79
Minor Projects				
Interdisciplinary Projects	-			
Industry sponsored	-	M/s. Vector Corrosion Technologies, Canada (Joint Project with IIT Madras, RIT Kottayam)	9.91	6.44
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*				-
Internship program	2 Months	Student Visitation Programs-	Stipend @ US$ 2,500, Health Insurance upto US$ 500	-
Total				

3.7 No. of books published   i) With ISBN No. [7]   Chapters in Edited Books [17]

ii) Without ISBN No. [3]

3.8 No. of University Departments receiving funds from

UGC-SAP [-]   CAS [-]   DST-FIST [-]

DPE [-]   DBT Scheme/funds [-]

3.9 For colleges   Autonomy [-]   CPE [-]   DBT Star Scheme [-]

INSPIRE [-]   CE [-]   Any Other (specify) [-]

3.10 Revenue generated through consultancy   [Rs. 34, 05,700]

(Including training)

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	3	8	2	3	-
Sponsoring Agencies	ICMR / Institution	-	-	-	-

International Conferences Organized:

✓ International conference on **Antimicrobial resistance breakers and diagnostic biomarkers (ICARB 2017) sponsored by ICMR** was organized in association with **University of Missouri, USA** during 22-23, December**, 2017.**

✓ International conference on "I**nnovations in Pharmaceutical and Biological Research: Discovering Novel Approaches"** was organized in association with **Society of Pharmaceutical Education and Research (SPER)** during 23-24, February, 2018

✓ IEEE International Conference on "**Recent Trends in Electrical, Control and Communication**" was organised by School of Electrical and Communication Sciences in collaboration with UiTM, Mara, Malaysia during 20 – 22, March , 2018

3.12 No. of faculty served as experts, chairpersons or resource person   58

3.13 No. of collaborations   International 23   National 28   Any other -

3.14 No. of linkages created during this year   18

3.15 Total budget for research for current year in lakhs:

From funding agency 47.64 lakh   From Management of University 90.65 lakh

Total 138.29 lakh

3.16 No. of patents received this year:

Type of Patent		Number
National	Applied	22
	Granted	0
International	Applied	4
	Granted	0
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
15	4	9	1	1	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides (as on May 2018)   113

and students registered under them   362

3.19 No. of Ph.D. awarded to faculty from the Institution   32

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones) (as on May 2018)

JRF   21   SRF   1   Project Fellows   22   Any other   -

3.21 No. of students Participated in NSS events:

University level   211   State level   20

National level   8   International level   -

3.22 No. of students participated in NCC events:

University level   -   State level   -

National level   -   International level   -

3.23 No. of Awards won in NSS:

University level   -   State level   -

National level   -   International level   -

3.24 No. of Awards won in NCC:

University level   -   State level   -

National level   -   International level   -

3.25 No. of Extension activities organized

University forum   23   College forum   -

NCC   -   NSS   12   Any other   3

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Extension Activities:

* A National Conference on "Higher Education and Career Opportunities" was organised by the by Department of Management Studies on 10th October 2017. Around 200 delegates from other Institutions participated in the conference.

* A workshop on "Entrepreneurship and Soft Skills" was conducted by Department of Management Studies in association with Madras Management Association on 2nd March 2017.

* Entrepreneurship Development Cell organised "Entrepreneurship Awareness Drive" during 17th August 2017 to 28th August 2017.

* Entrepreneurship Development Cell organised an event on "Industry Institute Collaboration for creating Entrepreneurship Ecosystem in Educational Institution" during 17 – 18, January 2018. Around 70 Students from various Institutions participated in the programme and got benefitted.

* Two day workshop on "Challenges and opportunities for Biotech Entrepreneurship" sponsored by Entrepreneurship Development and Innovation Institute (EDII), Tamil Nadu was jointly organised by EDC and School of Life Sciences during 4 – 5, January 2018. Around 50 Students from various Institutions participated in the programme.

* A Seminar on Industry Institute Collaboration for Creating Entrepreneurship Ecosystem in Educational Institutions was organised in collaboration with Entrepreneurship Development and Innovation Institute (EDII), Tamil Nadu and EDC during 11 – 12, January, 2018. Around 20 companies participated in the programme.

* Three day summer camp on "Entrepreneurship Awareness for school Children" sponsored by Entrepreneurship Development and Innovation Institute (EDII), Tamil Nadu was organised during 20 – 22, February , 2018. 50 students and 10 teachers from 5 different Government Schools of Kanchipuram District were benefitted from the event.

The interaction of faculty members with academia abroad for collaborated activities resulted in the following visits:

➢ Dr. Ashoke Ghosh visited the following universities during Apr & May 2018:
   o La Trobe University, Melbourne, Australia, on 30 April 2018
   o Victoria University, Melbourne, Australia, on 2 May 2018
   o RMIT University, Melbourne, Australia, on 4 May 2018

➢ Prof. G.Jayalakshmi, Dean, Crescent School of Architecture and Dr.Haider Yasmeen, Professor, Department of Management Studies visited Malaysia for collaboration with UiTM Mara Malaysia.

➢ Dr. Arunraj visited China for presenting a paper on Machine learning approach for quality adaptation of streaming video through 4G wireless network over HTTP in International Conference on ITU Kaleidoscope 2017 from 27 – 29, November 2017.

➢ Ms. A.Priya,AP/ECE delivered guest lecture at Antenna Research Center ,UiTM, Malaysia in the month of May 2018.

- Dr. R. Rajendran visited United States of America. for participation in International ¼ scale Tractor Student Design Competition.
- Dr. R. Karthikeyan delivered one week course in University of Nottinghom in September 2017
- Mr. D. Mohamed Shanavaz presented poster in ESA – NRSCC (European space agency & National remote sensing centre of China) held at Yunnan Normal University, Kunming, China during 20 - 25 November, 2017.
- Dr. Shahul Hameed through Erasmus fund delivered a course in University of Nottingham, UK during September 2017.

Social Responsibility:

- One Day Workshop on "Servicing the Household Electrical Gadgets" was conducted by Department of Electrical & Electronics Engineering for +2 students on 16th April 2018.
- A workshop on "Opportunities in Solar Energy Technologies" was conducted by Department of Electrical & Electronics Engineering on 23rd October 2017.
- Two days National Conference on "Sustainable Clean Water Technology (SCWT 17)" was organized by Polymer Nanotechnology Centre in association with department of Physics, Chemistry and Civil Engineering with sponsorship from Newtons Bhabha Fund Scheme – of Rs. 1,60,000/- and Ministry of Earth Sciences of Rs. 50, 000/- INSA of Rs. 30,000/- and DST of Rs. 1,00,000, during 21st to 22nd September 2017.
- Department of Polymer Engineering Organized "Green Pavilion" an awareness programme for proper usage and disposal of plastics with the participation of about 1000 school students in the IPLEX'17 (International Plastics Exposition) held during 15 -18 June 2017 at Chennai Trade Centre, Nandambakkam.
- GUINNESS RECORD was made on 19 March 2018 to commemorate "World Water Day" with 1762 students forming the largest human recycling logo "Reuse, Reduce, Recycle". This record was achieved at an event organised by B.S. Abdur Rahman Crescent Institute of Science and Technology, The New Indian Express and Nippon Paint India Pvt. Ltd. The final logo measured 45ft by 75ft.

REDUCE · REUSE · RECYCLE
SAVE WATER. SAVE FUTURE.

- An automatic water level controller and Bell system was designed by the second year students of B.Tech ECE during November 2017 for Govt. High School at Karanaipudhucherry near Urapakkam and implemented in the school premises.

- A special seven days camp was organised by NSS unit of the Institution in villages Arungal, Kattur and Keerappakkam during 14 – 20, March, 2018 . NSS student volunteers involved in cleaning school premises, painting of school buildings etc. Also distributed pamphlets to the public in and around the adopted villages about the training programme to be conducted by the self help group on 17.03.18 and for the free Medical camp organized on 18.03.17. Sports competitions were also organized on 19.03.2018 and 20.03.2018 for the school students. Awareness was also created about impact of Karuvelam Tree in the environment and deforested from the school premises.

- 35 students of NSS UNIT I and UNIT II in association with Environmental Foundation of India (EFI) involved in cleaning of Arasankalani Lake, near Mambakkam on 28th July 2018. The main objective of this programme was to create awareness about preservation of water bodies. NSS volunteers also gave a talk on importance of connectivity of different lakes in Chennai.

- First aid training was given to the students of Governments High School, Otteri and Manivakkam by the NSS volunteers on 11.11.17.

- A Blood donation camp was conducted on 14th Oct 2017 as a part of youth awakening day programme.

- The Institute has become a member of UNNAT BHARAT ABHIYAN Scheme of Government of India and has adopted 3 villages namely Karasangal, Keerapakkam, Arungal around the Institution.

- The Alumni Association in collaboration with "Crescent Blood Donors" and Rajiv Gandhi Government Hospital, Chennai   organised a "Blood Donation Camp" on 14th October 2017. More than 200 students participated in the camp and donated their blood for the noble cause.

- An incinerator was gifted to Government High School, Madambakkam, Adanur Panchayat by the NSS unit on 10th August 2017 for the benefit of girl students.
- National Pharmacy Convention was organised by Pharmacy Council of India in the Institute premises during 10 - 11 February 2018. Around 3000 delegates from academia and industry across different parts of India participated in the meet.
- A one day training programme on "App Inventor Training" for School Children was organised on 7th September 2017. 33 students and 3 teachers of different schools were benefitted from this programme.
- Crescent Rotaract club in association with other Rotaract clubs made a joint venture to nurture the brilliant young minds of Montfort School. The project was conducted on 10th September, 2017. Skills like theatrics, dancing, origami etc., were taught giving the students a chance to recognize their passion.
- Rotaract club organised a one day workshop on "Self Defence" to empower women students on 27th September 2017. Around 150 students and 50 faculty members were benefitted from the programme.
- Rotaract club members conducted various events for school children of Montfort Siragugal, Adyar on 12th of November, 2017 to imbibe the competitive spirit among the children.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area (Acre)	50.19	-		50.19
Class rooms (No.)	110	7	Institution Management	117
Laboratories (No.)	101	11		112
Seminar Halls (No.)	14	4		18
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	141	52		193
Value of the equipment purchased during the year (Rs. in lakhs)	986.12	66.40		1052.52
Others	-	-	-	-
Construction of New Architecture block (Sq.ft.)	-	50,000	Institution Management	50,000

4.2 Computerization of administration and library

The automation process for effectively handling the academic and administrative activities was implemented through TCS iON Solutions with effect from December 2017. iON Digital campus solution comprises a suite of offerings that supports academic and administrative process. The product provides

flexibility to automate functions according to requirement. The various processes like Admission, Academics, Examination, Employee Management, Infrastructure Management, Transport Management, Hostel Management, Payroll Management, Library and Finance Management were taken into account for the automation process.

In the finance and accounts section, the data entry of various transactions and the cash receipts has been computerised. Statutory payments like provident fund, ESI, telephone bills have been digitised. Collection of fee such as Tuition fee, Transport and Hostel fees has been made partially through online payment. Efforts have been initiated to digitize all the transactions including income and expenditure through implementation of TCS iON solution. All the transaction of library such as Book master updation (News books records updation in Library software), books transaction (Issue, return and renewal), books search, books reservation, library feedback, usage statistics of e-Resources, e books and e-Journals access library user records library records retrieval has been computerised

4.3 Library services:

Description	Existing (a)		Newly added (b)		Total (a + b)	
	No.	Value (Rs.)	No.	Value (Rs.)	No.	Value (Rs.)
Text Books	45336	2,16,38,566	3663	6,35,000	48999	2,22,73,566
Reference Books	23,089	1,36,60,962	362	2,71,500	23451	1,39,32,462
e-Books	17358	5,43,629	NIL	NIL	17358	5,43,629
Journals	240	7,92,715	NIL	NIL	240	7,92,715
e-Journals	16175	56,21,090	NIL	NIL	16175	56,21,090
Digital Database	2 (NPTEL & CMIE)	5,42,697	NIL	NIL	2	5,42,697
CD & Video	3000	3,00000	NIL	NIL	3000	3,00,000
Computer systems	60	25,18,450	NIL	NIL	71	25,18,450
Printer	2	24,000	NIL	NIL	2	24,000
Laptop	1	31,000	NIL	NIL	1	31,000
Others (specify)	Institutional Membership 1. DELNET 2. MALIBNET 3. British Council Division 4. American Consulate Library 5. Structural Engineering Research Centre	44,500			5	44,500

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	2250	50	1.1 Gbps NKN & Wifi 40 Mbps Airtel Gio Wifi	2	1	3	24	-
Added	-	-	-	-	-	-	-	-
Total	2250	50	1.1 Gbps NKN & Wifi 40 Mbps Airtel Gio Wifi	2	1	3	24	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

❖ Exclusive common computer labs are made available for students / research scholars for uninterrupted learning.

❖ All the Faculty members are provided with personal computer to facilitate effective teaching learning process and to pursue quality research.

❖ The campus is Wi – Fi enabled with speed of 1.1 Gbps NKN & Wifi 40 Mbps Airtel Gio Wifi

❖ 8 Faculty members across different programmes were attended a one week Training Programme on " Academic Leadership" at New College, Chennai organised by Centre of Academic Leadership and Education, AMU, Aligarh under the scheme of PMMMNMTT, MHRD, Govt of India during 17 - 23, January, 2018.

❖ A certification training programme on software "ZOHO CREATOR" was conducted by Department of Computer Science and Engineering from 24th April to 27th April 2018 . Students who do not have any programming knowledge can develop mobile applications using this software. The students were given with a Student Developer License (2 Years Free), Certification training, e-Reference materials, Online Test plus one Free Retest and Free technical support from Zoho / ITKES portal. Eighty four students attended the workshop and 37 were certified in the first attempt.

❖ To mainstream / offer entrepreneurship programs (curriculum-blended entrepreneurship course and practicum through the innovation and incubation cell) towards the creation of a strong and sustainable entrepreneurship ecosystem, our Institute has signed an MOU with Wadhwani Foundation, National Entrepreneurship Network (NEN). Wadhwani Foundation trained seven faculty members from various disciplines on Entrepreneurship courses. The training programme was divided into 3 phases: Phase I – Immersion, Phase II – Experience, Phase III – Engage. The

immersion phase consisted of micro learning videos in online mode of three weeks, the modality of experience phase consisted of class room and digital learning for nine days duration at Bangalore from 2^{5th} June, 2018 to 3rd July, 2018. The engage phase consists of digital learning and class room teaching in online mode with two instances of three-day in-class sessions for sixteen weeks which is planned during August to November, 2018.

❖ Apple IOS centre offered a value added courses to students in contemporary technology by inviting outside experts.

✳ Apple IOS centre conducted a Certification Programme on "Android Application Development" during Sep. – Dec. 2017. 24 students from different disciplines successfully completed the certification programme.

✳ Apple IOS centre conducted a Certificate Programme on "iOS Application Development" during March – May, 2018. 18 students from different disciplines successfully completed the certification programme.

❖ 10 Faculty members were attended the Faculty Development Programme in contemporary topics in other Institutions for technology up gradation. The salient programmes are as follows:

      ✠ Faculty Development Programme on "**Research methodology and data analysis using SPSS and AMOS" on 13 – 19, July 2017.**

      ✠ Faculty Development Programme on "**Digital and its Transformation"** at **Cognizant Technology Solutions, Chennai** on 23rd Sep 2017.

❖ Department of Computer Science Engineering organized a seminar on **"Next Generation Technologies"** by Mr.S.Mohamed Bakkrudeen, Associate Director, Life Sciences – QE & A Practice, Cognizant Technology Solutions, Chennai on 16th September, 2017.

❖ A one day Seminar on **"Scope and Challenges of Digital India"** was conducted for the students of B.Tech Computer Science Engineering on 23rd March 2018. Mr. V. Ponraj, Former Advisor to Late Former President Dr. APJ. Abdul Kalam was the resource person.

❖ A Seminar on "Networking and Security Internet of Things - A flavour of Data Analysis Big Data Cyber Security Protocol Analysis User Experience Essentials Delay Tolerant Networking" was conducted by Department of Computer Science Engineering on 25th Jan 2018. The eminent resource persons are Dr.Bogdan Ghita, Plymouth University, Prof. Christopher David McDermott Robert, Gorden University, Dr. Frans Coenen, University of Liverpool, Dr. Mairo Kolberg, University of Sterling and Dr William, University of Hertfordshire.

❖ Department of Computer Science Engineering organized a seminar on "Demo on Internet of Things-Design Principles" in association with VI Microsystems Pvt. Ltd, Chennai on 26th August, 2017.

❖ Department of Information Technology organized a seminar on "Machine Learning Algorithm Based on IoT" in association with ABE Semiconductor, Chennai on 11th October 2017.

- ❖ Department of Information technology organized seminar on "Role of Sensors in IoT" on 20th October 2017.
- ❖ Department of Information technology organized seminar on "Demo on IoT based Cloud" on 09th April 2018.
- ❖ Department of Computer Applications organized a workshop on "Technology Awareness on Mobile Applications" partnering with M/s. Honey Technologies on 07th April 2018.
- ❖ Department of Computer Applications organized a seminar on " Health Care Analytics" with the support from M/s. Sensiple Software Solutions on 27th April 2018.
- ❖ Department of Computer Applications organized a seminar on " Advanced Java Programming" on 28th April 2018.
- ❖ Department of Computer Applications organized a seminar on "Technology Awareness on Cloud Technology" on 11th April 2018. Mr.Karthik Sathuragiri, Global Marketing Leader was the resource person.
- ❖ Department of Computer Applications organized a seminar on "Innovation in Data Science with Voice recognition" on 16th September 2017. Mr. Athiq Ahamed, Data Scientist, Volkswagen delivered a special lecture.
- ❖ Department of Electronics and Communication Engineering organised a workshop on "Hands-on Python Programming" during 26th – 27th September 2017.
- ❖ Department of Electronics and Communication Engineering organized a seminar on "Smart Nano materials for Sensor Application" during 24 – 25, January 2018.
- ❖ A two day workshop on "Industrial IoT" was organised by Department of Electronics and Communication Engineering during 6 – 7, April 2018.
- ❖ uLektz student application(Students app) has been implemented in two departments on trial basis to enable students and faculty to use digital education for learning and campus management with built-in resources for academics, skills and jobs. Students can also access e-books without internet from anywhere, anytime and on any device viz. Laptop, Desktop, Smartphone & tablets etc.
- ❖ The automation process for effectively handling the academic and administrative activities was implemented through TCS iON Solutions with effect from Dec 2017. iON Digital campus solution comprises a suite of offerings that supports academic and administrative process. The product provides flexibility to automate functions according to requirement. The various processes like Admission, Academics, Examination, Employee Management, Infrastructure Management, Transport Management, Hostel Management, Payroll management and Finance Management were taken into account for the automation process. Faculty members are given continuous training for successful implementation of the various 'e'deliverables.

4.6 Amount spent on maintenance in lakhs :

i) ICT	91.59
ii) Campus Infrastructure and facilities	171.12
iii) Equipments	85.26
iv) Others	-
Total:	347.97

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- ❖ Regulation, Curriculum and Syllabus books were made available in the website in academics and in the domain of the respective departments / Schools for reference.
- ❖ Information regarding merit scholarship to students (govt. and other private bodies) was appraised to students through circulars.

   The students received the following scholarships in the academic year 2017-18:

   - ✓ National scholarship - MCM, POSTMAT, CSS, and prime minister Scholarship was awarded to 187 Students worth Rs. 48, 89,000.
   - ✓ Postmatric scholarship was awarded to 133 minority Students worth Rs. 28,85,200
   - ✓ Seethakathi Trust / B. S. A. Rahman Institute Scholarship awarded to 341 Students worth Rs. 3, 01, 05,000.

- ❖ Academic calendar containing details such as rules and regulations, examination schedule, important events, etc, was made available in the website & also sent to students through email.
- ❖ Academic Schedule is also made available to the students in the website.
- ❖ Amendments in the B.Tech Regulations 2013 and M.Tech Regulations 2016 were send to students through email and also made available in the institution website
- ❖ Important Academic Information viz. Introduction of new courses and programmes, exam schedule, result declaration are displayed in the respective department notice Board and also disseminated through mail , website and message etc.

- **Well planned Placement and Training programmes were organised to all final year students by Placement and Training cell. The salient events / programmes conducted are as follows:**
   - ✓ Organised ten day Training Program on "Aptitude, Verbal Ability, Logical Reasoning and Grammar Fundamentals" was conducted for the final year Under Graduate and Post Graduate (2018 batch) students during 7 – 22 , August 2017 by DNA Corporate Solutions, Chennai.

- ✓ A one day motivational Seminar on "A Career in Core Engineering Industry" was arranged for Pre-final year (2015-19) B.Tech. (EEE / ECE/ EIE & Mech.) on 3rd May 2018. **Ms. Vaishnavi Vignesh Raja, SECO Controls Private Limited** delivered a brief seminar about the "Career opportunities in Core Engineering.

- ✓ Organised and participated in the World's biggest coding contest in association with Times of India (TechGig) on 5th April 2018. Students from 2nd, 3rd & 4th year across different discipline participated in the programme.

- ✓ A One day motivational programme was arranged for pre- final year (2015-19) B.Tech. (Aero / Auto / Biotech / Civil & Polymer) students on 2nd April 2018. It also gave them insights into the relevant steps required to prepare for **GRE/CAT/GMAT/UPSC/GATE** and the insights in the kind of research that is required for entering the world of International Education. Mr. Amith Ravindran, Educational consultant delivered a special lecture.

- ✓ Organized a Guest Lecture on "Study, work and live in Australia" on 27th March 2018. Mr. Jai, from KNpact Migration Australia delivered a lecture. He also provided information about education and job opportunities in Australia.

- ✓ Employability Assessment online test was conducted in association with **Co-Cubes** for final year B. Tech. students of all branches & MCA students (2018 passing out batch) on 26th, 28th September & 5th October 2017. The objective of this programme is to impart knowledge on Language, Cognitive, Domain & Soft Skills, employability feedback, identify student's strong areas and scope for improvement.

- ✓ Aspiring Minds Assessment Pvt Ltd (AMCAT) conducted Online Aptitude Test and employment Skill Knowledge Testing Process for the Final year of B.Tech (CSE, ECE, IT, EEE, EIE.) and MCA students (2018 batch) on 11th September 2017.

- ✓ A one day workshop on "Grooming & Online / Off-line Test" to assess skills on aptitude & english skills program was organised for final year students in association with M/s.Gillette India Limited and The HINDU group of Publications on 15th September 2017.

- ✓ Mr. K. Mohan, Program Director, SSV finishing school had an interactive session with final year Civil Engineering students about the train & hire model on 23rd August 2017.

- A separate student counselling centre with full time student counsellor is functioning in the Institution.

- To create awareness to students about higher education in foreign countries / summer internship opportunities in foreign universities and semester abroad programme, series of workshops were organized by the Centre for International Collaboration. The following are the salient events conducted in this regard:

Name of the International Affiliate Professor(s) / Programme	Title of the Guest Lecture	Affiliation	Date of Visit
Dr. Benoit Anger Professor	Global Career Opportunity Director Marketing & Admission of SKEMA Business France	SKEMA Business France	02.04.2018
Dr. Susan Cossetto Professor	To discuss current research in biotechnology and explore opportunities for food security and disease prevention. This session will conclude with a discussion on future-proofing your (Science, Technology, Engineering & Management) degree	Australian National University, Australia	06.04.2018
Prof. Jaipaul Singh Research Degree Tutor and Professor of Physiology	➢ Good, the bad and the ugliness of research supervision ➢ Tips for Research presentation and writing manuscripts	University of Central Lancashire, UK	21.02.2018
Prof. Neil J Hewitt	Research Director – Architecture, Built Environment & Planning	Ulster University, UK	22.02.2018
TOEFL and GRE	➢ About TOEFL and GRE Test - Why to give the test, where to give the test and when to give the test? ➢ How to prepare for the Test? Question paper format, learning material and valuable tips to help students score higher. ➢ Resources available to prepare for the Test		15.02.2018
Dr. Saurabh Arora Professor / Technology and	Technology and Innovation for Development	University of Sussex, UK	28.03.2018

Innovation for Development, SPRU			
Mr. S. R. Rajagopalan Chief Executive	Higher Education opportunities in USA, UK, Australia etc		24.10.2017
Mr. Bhaskar Director / M/S Manya Education Pvt. Ltd.	Career Prospects including Overseas Education		31.10.2017
Global Education Fair	Study opportunities, Scholarship Schemes, Employment possibilities etc	US, UK, Canada, Australia, Japan and Singapore etc.	04.08.2017
Dr. Raji Sundararajan Professor	Joint Information Session on Higher Education at USA	Purdue University, USA	09.08.2017
Mr. Narasimhan. K Center Director The Hope Overseas Education Pvt. Ltd.	Free Higher Education Opportunities in Europe		02.11.2017
Dr. Richard Mak Adjunct Faculty	Innovative ways to secure a good job	Singapore Management University	08.11.2017
Dr.Ian Wakeman Professor and Head / Department of Informatics	CSE, IT and CA Informatics	University of Sussex, UK.	13.11.2017
Dr. David Jenkins Faculty of Science & Engineering	Conference SCWT and Higher Studies at Plymouth University	Plymouth University, UK	20.09.2017
Mr. John Cockburn, International Director	Opportunities for Placement and Higher Studies at New Zealand	New Zealand	24.08.2017
M/S IonCUDOS IonIdea Interactive Pvt Ltd	Outcome Based Education Software	Practicing Outcome Based Education (OBE)	06.12.2017 - 08.12.2017

Each class is attached with a class advisor who shall monitor the academic curriculum and co-curricular performance of the students on the continuous basis by maintaining a history card for each student. Class advisors act as liaison and ensure sending of information related to academic performance at regular intervals to parents and also involve in organising Parents Teachers meeting in a semester.

- To help the students in planning their courses of study and for general counselling on the academic programme, the Head of the Department of the students attach 20 number of students to a faculty member of the department who shall function as Faculty Advisor for the students throughout their period of study. Such Faculty Advisor shall offer advice to the students on academic and personal matters, and guide the students in taking up courses for registration and enrolment every semester.

- In order to provide a conducive ambience, students were made aware of various cells such as Women Sexual Harassment Cell, Anti-ragging Cell, and Grievance Redressal Cell for men and women separately, etc., through the Orientation programme and also by providing details in the Institution website.

- Peer Assisted Learning was conducted for the slow learners in various courses across departments / schools during / after college hours. This has facilitated the slow learners to improve their academic performance.

- Redo courses were offered during the evening sessions which help the students in academic progression:
    - ✓ In the odd Semester 2017-18, 64 courses were handled by faculty of various department and 232 students were benefitted.
    - ✓ In the even semester 2017-18, 60 courses were handled by faculty of various department and 221 students were benefitted.

- To encourage the students to undergo Industry Internship, students were given opportunity to predo the courses of VIII semester in the earlier even semester 2017 – 18. In the academic year 2017-18 to facilitate the students, the courses such as Process Planning and Cost Estimation, Automotive Safety, Composite Materials and Structure, Leadership and CEO training , Social Entrepreneurship, Mobile Commerce and Electric Vehicle were offered as pre do courses. 143 students got benefitted out of these courses.

- Orientation Programme was organised for the freshers to facilitate them to understand the academic system, infrastructure facilities and various supporting mechanisms available in the Institution.
    - ❖ Orientation Programme for B.Tech. students was conducted during 17.07.17 & 18.07.18
    - ❖ Orientation Programme for BCA, B.Sc, B.Com, BBA students was conducted on 19.07.17-20.07.17
    - ❖ Orientation Programme for B.Arch & B.Des students was conducted on 17.07.17
    - ❖ Orientation Programme for B.Pharm students was conducted on 23.08.17

❖ Orientation Programme for Law students was conducted on 23.07.17

- The value added courses were conducted for advanced learners in the Institute. Around 23 Value added courses were conducted in Academic year 2017 – 18. Some of the value added programs are listed below:

  o Rubber Skill Development Council (RSDC) of India conducted a one year Skill Development program for Final year students of the Department of Polymer Technology from 19th June 2017. The final assessment for the program was conducted by Rubber Skill Development Council (RSDC) on 24th May 2018.

  o Biotech Innovation and Entrepreneurship course was offered to final year B.Tech Bio Technology students in association with University of Missouri, USA

  o Business English Certificate examination (Preliminary) was offered to second year B.Tech Students during Nov. – Dec. 2017.

  o "Autodesk 3DS Max" Training Programme was organized by Department of Civil Engineering in association with eStaar Max Technologies P Ltd during 8-16 November 2017 and 32 students were benefitted.

  o Department of Civil Engineering organized Professional design & Development – Revit Architecture in association with M/s. Space CADD Designers & Construction P Ltd during 17 – 21 July 2017. 13 nos. of students were benefitted.

- NSS, YRC, and ROTARACT club are functioning in the Institution and help the students understand societal needs and motivate the students on various extension activities.

- Students were provided opportunity for proficiency in sports and games through physical education department. A well established Physical fitness centre with latest equipment is made available to all students. In addition, exclusive fitness centre with required facility are also available in men's and women's hostel.

- Two class committee meetings were organised during each semester by involving student members. During the class committee meetings, the student members representing the entire class meaningfully interact and express opinions & suggestions of the class students to improve the effectiveness of the teaching-learning process.

- APJ Innovation centre motivates the students to think laterally and out-of-the-box to generate innovative ideas. It also helps in transforming innovative ideas into products of societal needs and Filing patents and commercialization of the products in the long run. The Institute offers internal funding to students and encourages them to submit project proposal/ participation in innovation contests.

- Two levels of feedback were received from the students during the semester about course faculty and course contents. This feedback system facilitated in understanding the students requirements and actions were taken accordingly.

- Entrepreneurship Development cell headed by full time Assistant Director is in place to support the students in establishing start-ups and Entrepreneurial units.

5.2 Efforts made by the institution for tracking the progression

- Continuous monitoring of academic progress of students by the concerned class advisor, faculty advisor, Head of the Department and Dean of School.
- The various aspects of students' progression were discussed in class committee meetings and accordingly efforts initiated to address the issues.
- Class advisors and faculty advisors continuously monitor the academic, curricular and co curricular performance of the students.
- History card is maintained to facilitate holistic monitoring of the progress of every student in terms of academic, curricular and co - curricular activities.
- Academic progress of the students was communicated to parents by SMS after each continuous assessment test and also on need basis.
- Parents-Teachers meeting for all UG and PG courses were conducted on 14th October 2017 and 24th March 2018.
- Office of Dean Academic affairs holistically monitors the academic performance of students.
- The academic performance of the students was also deliberated in HOD's and Dean's meeting / meetings of IQAC and other statutory bodies.
- Root cause analysis in the courses with less pass percentage of results (<70%) is insisted to identify the problem and to take remedial measures to avoid recurrence.
- Automation of academic activities facilitated continuous monitoring of progression by students by respective HOD and School Dean of students.

5.3 (a) Total Number of students (as on 30th June 2018)

UG	PG	Ph. D.	Others
4744	641	533	-

(b) No. of students outside the state

276

(c) No. of international students

5

Men

No.	%
4335	74.94

Women

No.	%
1483	25.05

Last Year (2016 – 17)						This Year (2017 – 18)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
267	64	2	1216	--	1549	256	92	1	1586	--	1935

Demand ratio: 1:2.5   Dropout % : 4%

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

✓ To facilitate the students to prepare for GATE and other competitive examinations, around 500 volumes across different disciplines are made available in the central library for access by students.

✓ The School of Life Sciences is offering a special coaching for the NET and GATE classes for B.Tech Biotechnology students.

✓ A One day motivational programme was arranged for pre- final year (2015-19) B.Tech. (Aero / Auto / Biotech / Civil & Polymer) students on 2nd April 2018. This programme gave insight into the relevant steps required to prepare for **GRE / CAT / GMAT / UPSC / GATE.**

No. of student beneficiaries: | 214 |

5.5 No. of students qualified in these examinations

NET | 0 | SET/SLET | 1 | GATE | 19 | CAT | 1 |

IAS/IPS etc | 0 | State PSC | 4 | UPSC | 0 | Others | 58 |

5.6 Details of student counselling and career guidance

The Institution made elaborate arrangements for student support and mentoring. For every 20 students, one faculty member is appointed as Faculty Advisor. The progress of the students in academics, co-curricular and extracurricular activities is guided, counselled and monitored by the faculty advisors. Faculty advisors help and support students in all aspects throughout their academic programme. The faculty advisors counsel the needy students and based on the interest of the students, they guide them in choosing the elective courses, preparation for competitive examination, planning for higher studies, career guidance etc. In addition a separate student counselling centre with full time professional counsellor is also available to take care of the students with personal and academic issues.

No. of students benefited | 38 |

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
126	550	241	-

5.8 Details of gender sensitization programmes: | 5 |

- Rotaract club organised a one day workshop on "Self Defence" on 27th September 2017 to empower women students and faculty members. Around 150 students and 50 faculty members were benefitted from the programme.
- A faculty grooming session was organised for Women Deans / HoD's during 25 - 26 June 2018. Around 30 administrative personnel were benefitted from these sessions.
- Zumba Classes for Female students and faculty members were organised by the Department of Physical Education from 11th January, 2018 to impart Fitness and Wellness awareness education.

5.9 Students Activities

    5.9.1   No. of students participated in Sports, Games and other events

State/ University level | 189 | National level | 161 | International level | 1 |

No. of students participated in cultural events

State/ University level | 36 | National level | - | International level | - |

    5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level | 131 | National level | 29 | International level | 1 |

Cultural: State/ University level | 16 | National level | - | International level | - |

Cultural events Participated and awards received:

- The dance team of the Institution has participated in events conducted by JIPMER, Pondicherrry – 2017 PIMS, Pondicherry – 2107 Chennai International Youth Fest (CIYF), Chennai – 2017 Govt Vellore Medical College (GVMC), Vellore – 2017 and won prize.
- The Music team of the Instituion has participated in events conducted by Vellore Institute of Tehnology PIMS,Pondicherry, Vellore Government Medical College and won prizes.
- The Variety Team of the Instituion has participated in events conducted by PIMS,Pondicherry, SRM University and won prizes.

Sports Activities and awards received:

- The Institution organised the 18th Founder's Trophy Football tournament for men, 12th Prof. S. Peer Mohamed Memorial Trophy Basket Ball tournament for Men and 10th Silver Jubilee Trophy Ball Badminton tournament for Men and Women during the last week of January & First week of February 2018.

- At the beginning of this academic year, selection trials were conducted in all Games & Sports and Athletic events for Men and Women students separately and also Coaching Camps were organized periodically to improve the skills and fitness level of students

- **The salient achievements of students in sports:**
    o **Mr. S.Yokash – II B.Tech (CSE)** won the **Bronze Medal** in the National Teakwondo Championship -2017 held at Kolkata on 20th & 21st December-2017 . He also won the **Gold Medal** in **37th** National Taekwondo Championship - 2017 held at Kolkata from 8th to 10th January, 2018.

    o **Mr. N.Vignesh –** IV B.Tech (Auto) won **Mr. Chennai Award in Best Physique Competition -2017** organized by Chennai District Amateur Body Building Association held at Nehru Stadium, Chennai on 5th & 6th August, 2017. He also won the Gold Medal in the State Level Body Building Competition held at Trichy on 24th Dec, 2017.

    o **Mr. N.Hemprasanth – II B.Tech (ECE)** won the Silver Medal in 9th Tamil Nadu State Volvil Oori Archery Championship 2017 organized by SDAT, Namakkal on 2nd & 3rd August, 2017 and also won Silver Medal in the State Level Buck Memorial Sports festival Archery Championship organized by YMCA college of Physical Education, Chennai on 23rd August, 2017 . He also participated in the **All India Inter University Archery Men Competition 2017-18 held at KIIT University, Bhubaneswar, Odisha** from 25.12.2017 to 29.12.17.

    o The Ball Badminton Men's team of the Institution won the State Level Ball Badminton Tournament organized by SRMCC Ball Badminton club, Ulundurpettai on 5th & 6th August 2017.They also participated in the **All India Inter University Ball Badminton Men Tournament 2017-18** held at Yogi Vemana University, Kadapa from 26.12.2017 to 01.01.18.

    o The Ball Badminton Women's team of the Institution won the Fourth Position in **All India Inter University Ball Badminton Tournament** in which 100 teams from all over India participated in this great event organized by Dravidian University from 5th to 9th February, 2018. They also won the Fourth Position in the All India Level SRM Founder's Trophy Ball Badminton Tournament organized by SRM institute of Science & Tech, Potheri from 22nd to 25th August, 2017.

    o The Cricket Men team of the Institution won the City League Cricket SM Trophy-2017 organized by SM Cricket Club, Chennai from 16th Sep-2017 to 28th Dec-2017. They also won fourth position in the State Level Dr. MGR Trophy T20 Cricket 2018 Tournament organized by Sathyabama University , Chennai held during Jan. – Feb. 2018

    o The Basket Ball Men team of the Institution won the Third Position in the State Level Inter Collegiate Basket Ball Tournament organized by IIT Madras, Chennai from 20th to

24th November, 2017. Also participated in the **South Zone Inter University Basket Ball Men Tournament** organized by Christ University, Bengalore from 28.10.17 to 01.11.17.

o The Table Tennis Women team has won the **Runners Up Position** in the State Level Inter Collegiate Table Tennis Tournament organized by IIT Madras, Chennai on 20th to 24th November, 2017 and also won the Fourth Place in the All India Level SRM Founder's Trophy - 2017 organized by SRM University, Potheri from 22nd to 24th August, 2017.

o The Athletic Men team won the following Position in the State Level Inter Collegiate Athletic Meet organized by IIT Madras, Chennai on 20th to 24th November-2017.

o 1. Mr.H.Srivignesh - III B.Tech(EEE) – I place in 1500 M Race

o 2 . Mr.V.Samuel - I B.Tech (CSE) – II place in 100 M Dash

o 3 . Mr.S.Swaminath - II B.Tech (Mech) – II place in 200 M Dash

The Yoga Men team won the following Positions in South India Yogasana **Championship-2017** organized by Tamilnadu Yoga Cultural Society held at Kancheepuram on 25th Nov-2017. The following prizes were secured

1. **S. Rohit Kumar** – **III B.Tech (Mech 'D')**
   I Place in Individual category

   I Place in Champion Round

2. **A.S.A. Dharanivel** – **III B.Tech (Mech 'A')**
   II Place in Individual Category

Mr. R.Yaswant Reddy – I B.Tech (ECE) was selected to represent the Pondicherry District Hand Ball Team and won the First Place in the State Level Championship - 2018 held at Karaikal on 24th & 25th February, 2018.

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution (Merit Scholarship)	341	3,01,05,000
Financial support from government	187	48,89,000
Financial support from other sources	133	28,85,200
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

| - | | - | | - |

Fairs   : State/ University level   National level   International level

Exhibition: State/ University level | 1 | National level | - | International level | - |

5.12   No. of social initiatives undertaken by the students | 12 |

- GUINNESS RECORD was made on 19 March 2018 to commemorate "World Water Day" with 1762 students forming the largest human recycling logo "Reuse, Reduce, Recycle". This record was achieved at an event organised by B.S. Abdur Rahman Crescent Institute of Science and Technology, The New Indian Express and Nippon Paint India Pvt. Ltd. The final logo measured 45ft by 75ft.

- An automatic water level controller and Bell system was designed by the second year students of B.Tech ECE during November 2017 for Govt. High School at Karanaipudhucherry near Urapakkam and implemented in the school premises.

- A special seven days camp was organised by NSS unit of the Institution in villages Arungal, Kattur and Keerappakkam during 14 – 20, March, 2018 . NSS student volunteers involved in cleaning school premises, painting of school buildings etc. Also distributed pamphlets to the public in and around the adopted villages about the training programme to be conducted by the self help group on 17.03.18 and for the free Medical camp organized on 18.03.17. Sports competitions were also organized on 19.03.2018 and 20.03.2018 for the school students. Awareness was also created about impact of Karuvelam Tree in the environment and deforested from the school premises.

- 35 students of NSS UNIT I and UNIT II in association with Environmental Foundation of India (EFI) involved in cleaning of Arasankalani Lake, near Mambakkam on 28th July 2018. The main objective of this programme was to create awareness about preservation of water bodies. NSS volunteers also gave a talk on importance of connectivity of different lakes in Chennai.

- First aid training was given to the students of Governments High School, Otteri and Manivakkam by the NSS volunteers on 11.11.17.

- A Blood donation camp was conducted on 14th Oct 2017 as a part of youth awakening day programme.

- The Alumni Association in collaboration with "Crescent Blood Donors" and Rajiv Gandhi Government Hospital, Chennai organised a "Blood Donation Camp" on 14th October 2017. More than 200 students participated in the camp and donated their blood for the noble cause.

- An incinerator was gifted to Government High School, Madampakkam, Adanur Panchayat by the NSS unit on 10th August 2017 for the benefit of girl students.

- Crescent Rotaract club in association with other Rotaract clubs made a joint venture to nurture the brilliant young minds of Montfort School. The project was conducted on 10th September, 2017. Skills like theatrics, dancing, origami etc., were taught giving the students a chance to recognize their passion.

- Rotaract club organised a one day workshop on "Self Defence" to empower women students on 27th September 2017. Around 150 students and 50 faculty members were benefitted from the programme.

- Rotaract club members conducted various events for school children of Montfort Siragugal, Adyar on 12th of November, 2017 to imbibe the competitive spirit among the children.

5.13 Major grievances of students (if any) redressed:

- According to the regulations 2013 B.Tech Programme, student has to undergo three courses in the final semester. Some of the students who got internship in the industry requested to facilitate the conduct of eighth semester theory courses as pre-do courses which are offered in the evening after regular hours. In the academic year 2017-18, nine courses were offered as pre-do and 143 students were benefitted.

- To provide an opportunity for final year students to complete their degree programme in time, students with a maximum of two arrears were permitted to apply for supplementary examination. Likewise students with less credit were also permitted to apply for supplementary examination for a maximum of two courses to enable them to earn minimum credits to move to higher semester.

- In the amendments to Regulations 2013, under clause 13.8, internal marks were kept valid for 2 attempts (one regular and one arrear attempt). This was implemented from the academic year 2017-18. Students with low internal marks were benefitted because of this amendment.

- Exclusive free laundry facility was created in the Men's & women's hostel to make students more comfortable during their stay in the hostel.

- Banyan Tree Cafeteria was expanded with more space and different varieties of food for the benefit of the students as per their request.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the Institution

Vision

B.S. Abdur Rahman Institute of Science & Technology aspires to be a leader in Education, Training and Research in Engineering, Science, Technology and Management and to play a vital role in the Socio-Economic progress of the Country.

Mission

- To blossom into an internationally renowned University
- To empower the youth through quality education and to provide professional leadership
- To achieve excellence in all its endeavours to face global challenges
- To provide excellent teaching and research ambience
- To network with global Institutions of Excellence, Business, Industry and Research Organizations
- To contribute to the knowledge base through Scientific enquiry, Applied Research and Innovation

6.2 Does the Institution have a management Information System

- ❖ The automation process for effectively handling the academic and administrative activities was implemented through TCS iON Solutions. iON Digital campus solution comprises a suite of offerings that supports academic and administrative process. The product provides flexibility to automate functions according to requirement. The various processes like Admission, Academics, Examination, Employee Management, Infrastructure Management, Transport Management, Hostel Management, Payroll management and Finance Management were taken into account for the automation process.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Curriculum development based on the current trends and industry needs was discussed in the Department level meetings.

- School level advisory committee was conducted by inviting all the stake holders such as eminent academicians, industry personnel, alumni, employers and students in addition to senior faculty members of the department. Suggestions from various stake holders were brainstormed, analysed and

recorded. In the academic year 2017 -18, school level consultative meetings were organised during June – July 2017 and Dec. 2017-Jan. 2018 across different schools.

- Revision / modification in the curriculum frame work for various programmes offered by the respective departments were arrived based on the stakeholders' feedback.
- Meeting of Board of Studies was organized to further brainstorm and approve the suggestions /modifications / inclusions in the curriculum & syllabus. Meeting of BOS was conducted by all the departments during July 2017 and January 2018.
- Tenth and Eleventh Academic Council Meeting was conducted on 25th July 2017and 18th January 2018 respectively. Major revision in the curriculum and syllabi of UG programmes in addition to the other revisions / modifications in the PG programmes as recommended by the Board of Studies of various departments were further deliberated and approved in the Academic Council.

6.3.2 Teaching and Learning

- Revision of curriculum and syllabi of UG programmes was carried out based on the principle of Outcome Based Curriculum to strengthen the teaching learning process.
- Teaching and learning process was more focussed towards development of professional knowledge, problem solving skills, leadership skills, decision making skills, communication skills, team work etc.
- Students were encouraged to carry out application oriented mini projects for some courses. (Project based learning)
- Lab integrated theory courses were introduced in the B.Tech. curriculum under Regulations 2017 and successfully implemented.
- Internship is made mandatory for all B.Tech. Programmes in Regulations 2017.
- Students were encouraged to register for online courses and regulation facilitates transfer of credits. In the academic year 2017 – 18, 90 students and 36 faculty member successfully completed MOOC courses.
- Teaching pedagogies such as flipped class room, video lecturing, online assignments etc., were implemented in selected courses.

6.3.3 Examination and Evaluation

- Central valuation for the arrears and regular examinations was organized to evaluate answer scripts of semester end examination and results were declared within the stipulated time.
- The results were published online for easy accessibility for students and parents.
- Two Question papers were prepared following standard operating procedure for each course to meet the outcome based education and scrutinized by the department level Academic Audit Committee. The randomly chosen question paper was printed and issued.
- Answer papers of each course were evaluated by the course faculty subject to the screening procedure by the Department level Academic Audit Committee by following the standard operating

procedures. Answer Scripts were also audited by external experts from leading academic institutions like Anna University, IIT Madras, etc. annually to get the expert feedback for further improvement in the evaluation process.

- After completion of continuous assessments and semester end examinations, marks obtained by the students were sent to the parents through SMS and also made available online.

- The student can apply for revaluation of theory courses within the stipulated time. The Committee will be formed following the SOP to revaluate the courses and the results will be published by the controller of examinations.

6.3.4 Research and Development

- In order to take research to the grass root level, "Research Forum" was established to bring in research ambience among the faculty members, research scholars and P.G. students.

- Many lectures were organized by inviting external experts and internal domain experts to provide an opportunity for the faculty and research scholars to know more about the cutting edge research going on in other departments / schools so as to promote interdisciplinary research.

- Central Research Review Committee was formed and conducted progress review meetings for research scholars from 30th May to 11th June 2018 and accordingly suggested views/ recommendations for improvement in quality research.

- An awareness was created among the faculty and research scholars to publish their research articles in Peer reviewed and Scopus Indexed Journals through various forums.

- As a quality improvement strategy, list of Scopus indexed journals was made available in the website and list of predatory journals was also made available for the benefit of students and research scholars.

- Anti-plagiarism check was made mandatory. Awareness was created among students / research scholars and faculty through placards in salient locations.

- Plagiarism check with defined similarity index was mandated for all PG theses. This was successfully implemented in the academic year 2017-18. Turnitin anti - plagiarism software is used by the Institution for plagiarism check.

The following are the salient programmes organised to promote quality research:

SI. No.	Topic of the Workshop	Name of the Speaker	Affiliation of the Speaker	Date
1	Scholarly Article Writing and Journal Publications	Dr. T. Velmurugan	PG & Research Department of Computer Science, D. G. Vaishnav College (Autonomous), Chennai.	13.03.2018
2	A Computation Analysis of Indus Valley Inscriptions	Mr. Md Izhar Ashraf	Project Assistant, The Institute of Mathematical Sciences (IMSc), Chennai	03.04.2018

3	How to Make Mobile Resume Website in 3 Hours	Mr. Bharatwaj Ramakrishnan	Software Engineer, CaratLane , Chennai	21.04.2018
4	Workshop on Data Analytics using SPSS	Dr. K. Prabhakar	Professor & Research Coordinator, BSACIST	02.05.2018 - 05.05.2018
5	Three days Workshop on "Writing Quality Research Articles, Project Proposals and Patents"	Dr. Subhendu Chakrabarti and Dr. Nikhil A Gokhale,	Chief Scientist, CLRI, Chennai Enago Academy, Mumbai	20.07.2018 – 22.07.2018.

6.3.5 Library, ICT and physical Infrastructure / Instrumentation

Library:

- The Central Library is functioning from 8.00 am to 8.00 pm on all working days. Saturdays and Sundays also the library is working between 9.00 am to 4.00 pm.

- Over 16 thousand e-Journals from IEEE, ASCE, ASME, EBSCO Art & Architecture, EBSCO Business Source Complete, Springer, Elseiver, Royal Society of Chemistry are being subscribed.

- These e-Journals can be accessed from anywhere through Knimbus database.

- Digital library has been created with 100 computers to access online resources. This is functioning on all working days.

- The Central Library is regularly organizing user orientation programme to learn more about e-Journals, e-Books, etc., at regular intervals for the benefit of staff, students and research scholars.

- The Library conducts annual 'Book Exhibition' in the university campus, which facilitates the staff, students and research scholars to look for contemporary books of their specialization.

- Photocopy, scanning and print-out facilities are offered by the Library.

- The Library has the facility to check plagiarism for Institute scholarly publications through Turnitin software.

- The Central Library is member of Shodhganga which facilitates the uploading of Ph.D. thesis.

- The Central Library is organizing Library Information Science programmes at regular intervals to update the latest trends and technologies.

  The following are the salient programmes conducted by the library:

  - o Orientation programme on IEEE was organized on 11 August 2017 for PG students.

  - o Orientation programme on Emerlad e Journals and Pro Quest online contents have been organized on 22 August 2017 at Seminar Hall I, Convention Centre.

  - o Orientation programme on Knimbus was organized on 11 October 2017 to train the research scholars and PG students to access online resources more effectively and efficiently.

  - o Annual 'Book exhibition' was organized during 22-24 Sep 2017.

ICT:

- Automation of academic and administrative activities is bolstered through implementation of TCS ion software during Dec. 2017. Student enrolment, course registration, attendance marking, feedback on teaching – learning process & about course and result declaration are made through online.
- Video lectures and course contents of the selected courses were made available in the institution website.
- The institution website was revamped completely and made more user-friendly.
- Course materials and assignments are shared through online websites.

- Student profile is maintained by TCS iON automation process.
- Faculty leave requests, OD request, CPL request, LOP request including payroll have been automatised by following the standard operating procedures.
- Course registration for Examination and subsequent result publication were also made online.
- Student feedback on course content and course teacher are obtained online.
- uLektz student application (Students app) has been implemented in two departments on trial basis to enable students and faculty to use digital education for learning and campus management with built-in resources for academics, skills and jobs. Students can also access e - books without internet from anywhere, anytime and on any device viz. Laptop, Desktop, Smartphone & tablets etc.
- The Institution has signed an MOA with Spoken Tutorials, IIT Bombay on 21st April 2018 to enhance teaching learning process.
- The Institution has signed an MOA with M/s. Central Depositary Services India Limited to implement National Academic Depository (NAD) system in the Institution as per MHRD guidelines on 22nd March 2018.

INFRASTUCTURE:

The following infrastructure facilities were created or maintenance work carried out during the academic year 2017-18:

- Construction of the new Architecture Block (G + 7) is in progress. Ground plus five floors with built up area of 50,000 Sq. ft. was completed and handed over to Crescent School of Architecture during June 2018.
- 7 nos. of additional class rooms were created in Mechanical Science block.
- Old Architecture block was renovated and handed over to School of Pharmacy.
- Major restroom renovation carried out at Institute premises (Main block, CSE block, Auditorium & Men's hostel).

- Ladies Hostel - Phase 2 is under construction and the structural work has been completed.
- 15 Nos. old Non AC buses being replaced with New Bharath Benz AC bus.
- Major painting work was done in all the buildings.
- A new biogas plant of 50 m^3 capacity was installed at Ladies Hostel.
- 5 m^3 water treatment plants were installed in Life Sciences block.
- 2 Nos. of RO plants of 50 LPH capacities were installed in New Architecture block.
- The Institute participated in MHRD Swachta Ranking 2017 for Higher Educational Institutions on 24.08.2017 and awarded 96% marks by the AICTE expert verification committee.
- Efforts have been initiated to install 300 kwp additional solar plants at a cost of Rs.1.2 Crores.

6.3.6 Human Resource Management

- Institution emphasized to induct more number of Ph.D. holders in the faculty position. The faculty members with PG qualification were permitted to pursue Ph.D. either through in house or at eminent academic Institutions. In the academic year 2017- 18, 43 nos. of teaching faculty were inducted with Ph.D. Qualification into various teaching positions.
- Institution also gives emphasis on bio diversity of faculty members. Around 25 faculty members were inducted from different states of India in the academic year 2017-18.
- Institution allowed all the non Ph.D. staff members to register for PhD programme.
- To maintain smooth working atmosphere, the Institution created adequate facilities for both teaching and non teaching staff members.

    Efforts for Professional Development of Teaching Staff
    - Institute provides 'on duty' facilities to undergo Ph.D course work and carry out research activities in industry or in other universities/research centres.
    - In the annual budget, all the departments are allocated funds separately for Research & Development.
    - Faculty members are permitted to go abroad on leave to pursue their Post Doctoral Fellowship (PDF) programs for a maximum period of two years.
- Faculty members are also granted sabbatical leave for assignments in Universities abroad for two years in order to get acquainted with international practices.
- They are encouraged to publish papers in national and international journals, write text-books and obtain funded projects for which university is giving cash incentives.
- They are also encouraged to present their research papers in international conferences. The management sponsors the registration fee and 100% travelling expenditure in India and 50% travel expenditure for travel abroad.
- Institution provides in-house Research Grants to carryout Pilot Projects to demonstrate technical feasibility of innovative ideas.

- All the departments are encouraged to organize national and international seminars / conferences and workshops.

- Faculty members are encouraged to attend faculty development programs for knowledge enhancement getting additional training. The trained faculty members are encouraged to impart training to other faculty members.

- The Institution also has an exclusive Faculty Training Academy which caters to the training needs of faculty.

- Career advancement scheme and performance appraisal system are in place.

- Faculty members are also encouraged to undergo summer / winter training programs in the Industry / Institutions. In the academic year 2017-18, thirteen faculty members completed internship in industry. The details are given below:

    1. Dr.Aranganathan, Mrs.S.P.Valli and Ms.S.Subhashini attended Internship training in the area of Big data processing at Ethna Attributes Soft Technologies Pvt. Ltd from 8th May 2017 to 19th May 2017.

    2. Ms.C.Vijayalakshmi AP (Sr.Gr.) has completed the Internship in the research and Development Division in the area of "Machine Learning for the Intelligent Data Analytics" during 23.06.2017 to 30.06.2017 at ABE Semiconductor Designs, Chennai.

    3. Ms A.Sonya, AP has undergone Internship on "R-Programming using Python" during 10.06.2017 to 18.06.2017 at ABE Semiconductor Designs, Chennai.

    4. Mr.N.Rajendran AP(Sr.Gr.), undergone Internship on "Mobile Application Development" in Sirpi Software during 8-06-2017 to 30 -06-2017.

    5. Ms.R.Priyadarshini AP(Sr.Gr.) has undergone Internship on "Web Application development" in Gain Valuable Solution Pvt. Ltd. during 12-06-2017 to 24-06-2017.

    6. Ms. L.Shakeera, AP(Sr.Gr.) undergone internship training programme in Cloud Computing Technologies in Green Tree Technologies Pvt Ltd, Chennai during 12th December, 2017 to 21st December, 2017.

    7. Ms.L.Shakkeera,AP(Sr.Gr) has undergone ten days internship training programme on "Data Analytics in Mobile Cloud Computing" at Firstsoft Technologies Pvt Ltd, Chennai during 23rd May, 2018 to 1st June, 2018.

    8. Ms. A.Priya has undergone 3 week internship at Antenna Research Center, UiTM, Malaysia during May 2018.

    9. Mr. Charlie Thomas, Assistant Professor (Senior Grade) underwent an industry internship at Procon Instrumentation Pvt. Ltd. from 25th May to 30th may 2017.

    10. Ms. B. Pushpa, AP/EIE, underwent internship from 8.6.16 to 21.7.16 at Department of Neurology, Malar Hospital, Chennai

6.3.7   Faculty and Staff recruitment

- Selection of faculty members is done based on the UGC Regulations 2016 by forming a selection committee
- During the last Academic Year 2017-18, the following positions were recruited.
    - o   Professor   – 6 Nos.
    - o   Associate Professor – 11 Nos.
    - o   Assistant Professors – 82 Nos.
    - o   Visiting Professors   – 1 Nos.
- Total faculty members as on 30th June 2018 are as follows:

Total	Asst. Professors	Associate Professors	Professors	Others
362	240	44	60	11

- Total supporting staff members as on 30th June 2018 are as follows

Total	Administrative Staff	Technical Staff
219	104	115

6.3.8   Industry Interaction / Collaboration

- Institution always emphasises on excellent bond with industries in terms of student or faculty interaction (Industry Internship) & working on collaborative projects of societal importance.
- Around 150 Students across various engineering disciplines completed their one month industry internship during May – June 2018.
- 13 no of faculty members from various departments pursued internship in the industry.
- Student Ms Aimen Akbar A of III Year B.Tech. cancer Biotechnology underwent a programme named IUSSTF/Student Visitation Programs/201819 in University of Wisconsin Madison during 19th May 2018 - 31th July 2018 and received a scholarship of amount US$ 2,500 and health Insurance US$ 500

MoUs

The institution signed MOU/MOA with several industries/ academia as follows

- MoU with **University of Missouri** – Columbia, USA **on 25.06.2018**
- MoU with **Gems Education,** UAE on **24.07.18**
- MoU with **Central Depositary Services (India) Ltd.,** Mumbai on **22.03.2018**
- **ITK Education Services Pvt. Ltd.,** Chennai on **03.04.2018.**
- MOA with **Spoken Tutorials, IIT Bombay** on 21.04. 2018.
- MoU with iBig foundation, Chennai on 17.2.17
- MoU with Saveetha Dental College, Saveetha University, Chennai on 15.03.2017.

COLLABORATION

- Dr.M.S. Haji Sheik Mohammed, Professor, Department of Civil Engineering has received an industry project titled "Evaluation of cathodic protection systems used for reinforced concrete to delay the corrosion process" worth Rs.9.91 Lakh.

- The various departments of the institution executed industry/ consulting work of worth Rs.34,05,700/-.

- An MoU with M/S Mando Automotive India Pvt. Ltd., Chennai to offer part Time B.Tech Programme for the employees of Mando, in Mechanical, EEE, ECE & Automobile disciplines was signed on 20th Dec 2017.

International Visits

The industry interaction also resulted in visit of faculty members to abroad:

➢ Dr. A. Sai Balaji & Mr. K. Sathick Basha visited Malaysia on behalf of M/s.Fricmart (P)Ltd, New Delhi to the company KESB Resources SDN, BHDShah Alam, Selangor to formulate brake pad to suit Malaysian terrain for PROTON car model and for installation of testing machines.

Visit by International Universities:

The collaboration with academia also resulted in the following visits of foreign experts to the institution:

S. No.	Name of the International Affiliate Professor(s)	Affiliation	Date of Visit
1.	Prof. Scott E. Fahlman Computer Scientist	Carnegie Mellon University, USA	27.10.2017 - 08.11.2017
2.	Dr. Mark Birkinshaw Eminent Scientist and Astrophysics	Cambridge University, UK	23.01.2018
3.	Dr. Turi King, Professor of Genetics and Archaeology	University of Leicester, UK	08.02.2018
4.	Dr. Jayesh Rathore Vice President	Corporate Gurukul Pte. Ltd., Singapore	09.02.2018
5.	Prof. Vaishnavi Srinivasan Professor / School of Mathematics, Statistics & Actuarial Science	University of Kent, UK	11.08.2017
6.	Dr. David Jenkins Faculty of Science & Engineering	Plymouth University, UK	20.09.2017
7.	Mr. John Cockburn, International Director	New Zealand	24.08.2017

8.	Mr. S. R. Rajagopalan Chief Executive	Australia	24.10.2017
9.	Dr. Raji Sundararajan Professor	Purdue University, USA	09.08.2017
13.	Dr. Richard Mak Adjunct Faculty	Singapore Management University	08.11.2017
14.	Dr.Ian Wakeman Professor and Head / Department of Informatics	University of Sussex, UK.	13.11.2017
16.	Prof. Jaipaul Singh Research Degree Tutor and Professor of Physiology	University of Central Lancashire, UK	21.02.2018
17.	Prof. Neil J Hewitt Research Director – Architecture, Built Environment & Planning	Ulster University, UK	22.02.2018
18.	Dr. Saurabh Arora Professor / Technology and Innovation for Development, SPRU	University of Sussex, UK	28.03.2018
19.	Dr. Benoit Anger Professor / Global Career Opportunity Director Marketing & Admission	SKEMA Business France	02.04.2018
20.	Dr. Susan Cossetto Professor	Australian National University, Australia	06.04.2018

International Student Exchange

- As a part of Student exchange Programme, 40 students and three faculties from Centre of Studies for Architecture, UiTM, Malaysia took part in Joint studio programme in Crescent School of Architecture during 17th September 2017 and 28th September 2017.

- As a part of Student exchange Programme, 42 students and two faculties from Crescent School of Architecture attended 8 days joint studio programme at UiTM, Malaysia during 18th March 2018 and 25th March 2018.

- Mustafa, III year CSE, Jaffer Us Sadiq Rangwala and Mohammed Merhaba, IV year CSE attended one month Global Academic Internship Program at NTU, Singapore, from 5th June 2017 to 30th June 2017, organised by Corporate Gurukul in Nanyang technological University.

- Three students were selected for a one month Sponsored International Internship Program by AIESCE to explore and develop their leadership potential.

- Mr. Akshay Rajan form BBA (Management Studies) for **Incredible Tay Ninh Project – Vietnam. (23rd Dec 2017 – 27thJan 2018)**

- Mr. Mohammed Javid Mohamed Hanifa Sheik Abdulla, from Mechanical Department for **Save the Children – Philippines and Barangay Salapam, San Juan Metro Manila, Philippines. (8th Jan 2018 – 23rd Feb 2018)**

- Mohamed Anis Halith, from Mechanical Department for **Save the Children – Philippines and Barangay Salapam, San Juan Metro Manila, Philippines. (8th Jan 2018 – 23rd Feb 2018)**

6.3.9 Admission of Students

U.G. Programs : Eligibility Criteria

B.Tech

Candidates should have passed 12th standard or equivalent examination and should have cleared the **Entrance Examination (CIAT)** which is conducted on all India basis through online for admission to these programmes.

- Candidates are **ranked on the basis of performance in qualifying examinations and entrance examination.**

- On the basis of merit, the students are asked to **appear for counselling** for admission

- Scholarships are offered to students having merit in the HSC/ CBSE and equivalent examinations for admission to B.Tech. Programmes.

- 50% to 80% of Tuition fee is offered as scholarship to meritorious students.

- Candidates having valid score in JEE are given priority for admission.

- For the selection of candidates for B.Tech. programmes cut off of mark is fixed.

- Candidates with Diploma in Engineering are admitted to II year B.Tech. (Lateral Entry) **on the basis of performance in their qualifying examinations** conducted by the Institution

- To improve the diversity of students, the Institution participated in Educational Fairs organised in various states and countries.

B.Des. (Interior Designing)

- A candidate should have passed the higher secondary examination of (10+2) curriculum (Academic Stream) with a minimum overall aggregate of 50% marks in any stream or A pass in the 10+3 Diploma in "Civil" or "Architectural Assistantship" recognized by the Central or State Government with a minimum overall aggregate of 50% marks.

- Notwithstanding the qualifying examination the candidate might have passed with a minimum of 60% marks, the candidate shall also write an entrance examination prescribed by the Institution for admission.

- Candidates are **ranked on the basis of performance in qualifying examinations and entrance examination.**
- On the basis of merit, the students are asked to **appear for counselling** for admission.
- Scholarships are offered to students having merit in the HSC/ CBSE and equivalent examinations for admission to B.Des. Programme

B.Com LLB (Hons) / BBA LLB(Hons)

- Candidates for admission to the first semester of the ten semester degree programme in law shall be required to have passed the Higher Secondary Examination of the (10+2) curriculum (Academic stream) prescribed by the appropriate authority or any other examination of any university or authority accepted by the Institution as equivalent thereto.
- The maximum age for seeking admission into a stream of integrated Bachelor of Law degree programme, is limited to twenty years in case of general category of applicants and twenty two years in case of applicants from SC, ST and other Backward communities.
- The candidate shall write an entrance examination prescribed by the Institution for Admission. The purpose of entrance examination is to testify the proficiency of the candidate in Legal Aptitude, General Knowledge and Current affairs.
- Students who have valid Common Law Admission Test (CLAT) score can also seek admission.

B.Arch.

- Candidates should have passed 12th standard or equivalent examination with a minimum aggregate of 50% marks with Mathematics and English as subjects of study as per the norms of Council of Architecture.
- Candidates should have a minimum score of 40% in National Aptitude Test of Architecture (NATA)
- Candidates aspiring for admission to B.Arch. programme need not attend BSACIAT.

B.Sc/ BCA/ BBA

- Candidate for admission to the first semester of the under graduate degree programme must have passed the Higher Secondary Certificate examination or any other examination of any authority accepted by this Institution as equivalent thereto.

S.No.	Programme	Eligibility Criteria
1	B.C.A	10 +2 (Higher Secondary) with Mathematics or equivalent subject
2	B.Sc. Computer Science	10 +2 (Higher Secondary) with Mathematics or equivalent subject
3	B.Sc Bio Technology	10 +2 (Higher Secondary) with Chemistry as one of the subjects.

4	B.B.A (Financial Services)	10 +2 (Higher Secondary) with any stream or equivalent
5	B.Com General	10 +2 (Higher Secondary) with Mathematics, Physics and Chemistry/Physics, Chemistry, Botany and Zoology /Commerce /Statistics as subjects.
6	B.Com (Accounts and Finance)	

P.G. Programmes

- For **admission to M.C.A degree programme**, candidates with any degree with Mathematics as one of the subjects (at least at the Higher secondary level) are eligible to apply. Selection of candidates is made based on merit in qualifying examination, entrance examination and interview conducted by the Institution.

- For **admission to M.B.A. programme,** candidates holding any degree are eligible to apply. Selection is based on merit in qualifying examination, MAT, GMAT, CAT / any nationally recognized entrance examination/entrance examination conducted by the Institution, Group Discussion and Interview conducted by the Institution.

- For **admission to M.Tech. programmes**, candidates with a pass in appropriate B.Tech. degree examination of this Institution or equivalent thereto are eligible to apply. Selection is based on merit in qualifying examination, entrance examination and interview conducted by the Institution. Hence admissions to all P.G. Programmes (100%) are made by conducting Entrance Examination. The candidates who had already attended central / State level Entrance examination and having a valid score in GATE / TANCET are exempted from entrance examination conducted by the Institution.

Research Programs

- A **department / school level entrance examination and interview** are conducted half-yearly for admission to Ph.D. programme during June 2017 and December 2017.

- Qualification for **admission to Ph.D. programs**
  o Candidates with a degree in M.E. / M.Tech. or M.S. (By Research) in the relevant branch of Engineering or Technology are eligible to apply for Ph.D. programs in Engineering & Technology in full time mode and part time mode.
  o Candidates with M.Sc. / M.A. / M.C.A / M.S. (By Research) / M.Phil. in the relevant branch of Science and Humanities are eligible to apply for Ph.D. Degree in Science and Humanities.
  o MBA / M.Phil. / Postgraduate Diploma in Business Management or Administration awarded by Indian Institute of Managements (IIMs) / M.S. (By Research) in Management Sciences / MMS / 2 year postgraduate diploma in Management recognized by AICTE are eligible to apply for Ph.D. degree in Management.

- o Any other qualification recognized as equivalent thereto in the field of study with a minimum of 10 Years of R&D Experience in national research laboratories / public sector undertakings and with minimum of three publications in refereed journals / two patents for Ph.D. program in their relevant areas
- o A committee, constituted department wise, by the Dean (Academic Research) for the purpose of selection, screening the applications as per the eligibility norms and conducts entrance test for eligible candidates.
- o On the basis of their performance in the test, the committee interviews them to short-list the eligible candidates and is approved by the Research Board.

6.4 Welfare schemes for

Teaching Faculty	- Eligible staff members are granted earned leave and medical leave in addition to casual leave. - Female members of staff are eligible for maternity leave. - 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 staff at the time of superannuation / relieving as per norms. - Wards of the staff members are given fee concession during admission to UG and PG programmes. - Furnished accommodation at concession rates are provided to the faculty in staff quarters. - Transport facility is provided to the faculty at concession rates. - Facility to avail financial assistance through staff club on valid grounds. - Festival advance Rs.10, 000/- is given to non-teaching staff and recovered in 10 equal instalment without interest. - Medical insurance facility is provided for all teaching faculty members with M/s. Apollo Shine Ltd which provides discount of 20% on medical checks, 15% on room rent, 15% on patient Investigation, 10 % on Pharmacy purchase, 50 % off on diagnostic & X ray and 25 % discount on doctor call services.

Non-teaching Faculty	- Eligible members of staff are granted earned leave and medical leave in addition to casual leave. - Female members of staff are eligible for maternity leave. - 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 subjected to provision. - Gratuity is allowed to all Non-Teaching staff at the time of superannuation. - Accommodation at concession rates are provided to the non teaching staff in staff quarters. - Transport facility is provided to the non teaching staff at concession rates. - Wards of the staff are given fee concession during admission to UG and PG programmes.
Students	- All students are covered through group insurance for Accident Cum Hospitalization to a sum of Rs. 50,000/- and for permanent total disability to a sum of Rs. 50,000/- through Star Health and Allied Insurance Company Ltd., Chennai. - Play ground with multi facilities like Cricket, kabadi, Foot ball, basket ball and tennis) and Separate Gym for Boys and Girls are available in the Institution. Medical centre with Ambulance facility, Bank, Books Shop, ATM and Canteen facilities are also available. - Merit Scholarship is awarded for academically bright students based on their higher secondary marks. - Travel and DA allowance is provided to support meritorious sport students for participation in national/ local level tournaments as per the norms. - Financial support for participation in national level innovative competitions organised by government / semi government bodies. - Facilitate students to receive fellowships from various agencies as per UGC and any other funding agencies. - Fully Wifi enabled campus - Bicycle is provided for the students residing in hostel premises. - Free laundry services are provided in the hostels.

6.5 Total corpus fund generated: Rs. 5 Crores

6.6 Whether annual financial audit has been done   Yes ✓   No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	✓	Academic experts from Renowned Universities	✓	Head of Department / Dean of Schools

Administrative	✓	N.C. Raja Gopal & Co.	✓	Jalaludin & Co.

6.8 Does the University/ Autonomous College declare results within 30 days?

For UG Programmes   Yes   ✓   No

For PG Programmes   Yes   ✓   No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Those students who secured less than 75% attendance in each course were not permitted to attend semester end examination. The students were awarded I grade (I – incomplete grade) and had to repeat the course whenever offered later.

- Online assignments using Multiple Choice questions are also a part of internal assessment.

- The question paper pattern was revised to facilitate evaluation of 1 / 2 / 3 credit courses.

- The students are permitted to apply for revaluation of answer scripts.

- The students are permitted to obtain the photo copy of answer scripts based on request.

- Setting of two different question papers for all the courses is made mandatory for the Semester End examination.

- Theory courses shall be evaluated by conducting 2 assessment tests and one end semester examination. The 2 assessments were considered for 50% weightage and the semester end examination for 50% weightage.

- Final Year students can apply for supplementary examination for a maximum of two courses thus providing an opportunity to complete their degree programme. Likewise students with less credit can also apply for supplementary examination for a maximum of two courses to enable them to earn minimum credits to move to higher semester.

- To provide an opportunity for the students having less internal marks to complete the course,the internal marks for only one regular appearance and one arrear appearance in the semester end examination will be considered for evaluation. After these two appearances, the internal marks shall not be considered and full weightage shall be assigned to the marks scored in the semester end examinations.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

No other college is affiliated to the Institution

6.11 Activities and support from the Alumni Association

- A Badminton Tournament – Crescent Badminton League Seniors Tournament was held on 10th September 2017, exclusively for SENIORS (Men & Women above 40 years).

- BSAU Alumni – Australia / GCC Chapter was inaugurated on 30th September 2017.

- BSA Crescent Alumni Association organized silver jubilee year for 1992 batch on 4th August 2017.

- The Alumni Association in association with "Crescent Blood Donors" organised a "Blood Donation Camp" on 14th October 2017. More than 200 students participated in the camp and donated the blood.

- A Silver Jubilee Reunion was organised for 1992 Batch on August 4th 2017.

- Mr. Sujit Thakaran, President of Alumni Association acted as an affiliate faculty of Department of Mechanical Engineering.

- Alumni of our Institution also act as member of statutory bodies like Board of Studies, Planning and Monitoring Board and Academic Council and contribute to the development of the Institution.

- Alumni association supports economically under privileged and deserving students with financial support to pursue their education. Scholarship amount of Rs.2, 20,000/- (Two Lakh twenty Thousand only) was distributed from the alumni association in the academic year 2017-18 on 5th August 2017.

- Department level alumni coordinators were identified to reinforce contact with alumni.

- Alumni feedback in the form short videos is made available in the Institution website.

- Department / Schools wise alumni meeting were also conducted.

- Alma Connect – a social networking platform was created during August 2017 to facilitate effective communication between faculty and alumni & among alumnus. Currently 4000 alumni were registered in this portal.

- Alumni connect via. LinkedIn, Face book, Twitter etc. has been facilitated through Institution web link.

- New Alumni Chapter in foreign countries were inaugurated as follows:
  - Oman Chapter
  - Australia Chapter - 30th September 2017
  - USA Chapter – 28th January 2017

6.12 Activities and support from the Parent – Teacher Association

- Parents Teacher meeting is organised once in a semester to facilitate parents to freely interact with faculty members handling various courses and get to know about the academic, curricular and co- curricular performance of their ward. In addition this meet gives an opportunity for the parents to know the academic system of the Institution and gives their suggestion for academic development, infrastructure enhancement etc., Parent-teacher meeting was organised on 14th October 2017 in the odd semester and 24th March 2018 in the even semester. The information in this regard was communicated to the parents through SMS. Around 500 parents participated in the meeting.

- Parents also act as the members of the School level Advisory Committee, Board of Studies of the department, IQAC cell of Institution and offer their valuable suggestion for the improvement of the Institution.
- Parents working in Industry / Entrepreneur support the students of the department by way of offering Industry Internship, placement, industrial visits, seminars etc.,
- Parents were also encouraged to meet the class advisor, faculty advisor, Head of the department and Dean of the School on need basis to know the academic performance of their ward and are recorded in the history card maintained for the students.

6.13 Development programmes for support staff

- The supporting staff members were encouraged to acquire higher degree and were given on-duty on need basis. Technical staff are also encouraged to register for Ph.D. in our Institution.
- Supporting staff members are periodically sponsored to attend skill enhancement programmes.
- Institution also offers unique skill enhancement workshops for the supporting staff.
- Department of English organised a three day workshop on "Communication Skills" for technical staff to improve their English communication skills.
- Department of Physical Education regularly organises Yoga awareness programme for the benefit of the supporting staff.

6.14 Initiatives taken by the institution to make the campus eco-friendly

Solar Power Plant	10% of total energy consumption of the campus 700,000kg CO_2 Emission avoided till date.
Sewage Treatment Plant	No Sewage disposal from campus. 138ML of sewage water recycled and used for gardening & toilet flushing.
Biogas Plant	80% Food waste used to generate gas and utilized in Ladies Hostel Mess kitchen 20% food waste sent to Pig stye
Dry leave waste	26300 kg of dry waste. Composed as manure and used for gardening.
Pollution Control in campus	Use of 50Nos bicycles by students in campus Incinerator Machine with wet scrubber used in campus for sanitary napkin disposal.
E- waste Disposal	701 kg disposed as per TNPCB norms through authorized E -Waste vendor.
Bio waste Disposal	66.5kg disposed as per TNPCB norms through authorized Bio-waste vendor.

Waste Paper recycling	43432 kg of used paper recycled.
Green Building Certificate	All buildings are registered for Gold rating for Green Building Certification under USGBC / LEED/ IGBC-EB ratings systems. New ladies Hostel & Staff Quarters block in process under GBCI-EDGE
Solar Water Heaters	Solar Water heaters in Hostels and staff quarters installed capacity 42,500 litres. This is equivalent to 240 electric geysers of various capacities. A saving of Rs.17 Lakh per annum.
Air-conditioning	Air-conditioning split units of 5-star BEE rating is installed in various departments in the campus All split AC units are free from ozone-depleting CFC
Transport	BS-IV **compliant** vehicles
Carbon Foot Print	33% of Carbon foot print is offset by the above environment – friendly measures in campus.

Criterion – VII

7. <u>Innovations and Best Practices</u>

7.1 Innovations introduced during this academic year which have created a positive impact on the
   Functioning of the institution. Give details.

- The Vice Chancellor of the Institution meets the students regularly through Town Hall talk which was introduced from the 26th August 2017. This informal talk / Interaction with students facilitated understanding of students' grievances with respect to Teaching - Learning process, facilities etc. and to address the same at the earliest. Moreover this town hall talk created a conducive environment for the students to openly express their view for the development of the Institution.

- To focus more on Entrepreneurial environment, the tag line of the Institution was framed as "We Create Employers Nurturing Leaderpreneurs". To achieve the same, the Courses "Leadership and CEO training" and "Social Entrepreneurship" was made mandatory across all B.Tech Programmes. The Institute also signed an MOU with M/S. Wadhwani Foundation, National Entrepreneurship Network (NEN) to offer professional training on Entrepreneurship for faculty members and students. As an impact, 7 faculty members underwent intense training in the 'Basic Course in Entrepreneurship' during the period 25th June, 2018 to 3rd July, 2018 at WF-NEN training center at Bangalore.

- Project Based Learning is introduced in at least one course per semester across all Engineering programmes. This has facilitated the students to understand the concepts in a better way through executing projects or activities.

- Anti plagiarism campaign was carried out effectively by placing banners and posters all over the institution. This has created awareness among the students and research scholars about the consequences of plagiarism. Plagiarism check with fixed similarity index was made mandatory and successfully implemented in the M.Tech. Dissertation.

- Institution financially supported the students to file application for patents. Around 20 innovative ideas have been provisionally registered for patent.

- Students were made to work under foreign academia for 1 credit course with focus on Innovation and Entrepreneurship. This resulted in formation of 10 student Entrepreneur groups in the School of Life Sciences.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the
   Beginning of the year

Plan of Action	Action Taken Report
1. To develop and implement strategies to increase the intake of students during 2018-19.	All the department has created dynamic website for the department , participated in education fair , Organized competitions, delivering motivational lectures, career guidance for Schools and Polytechnic Colleges etc and Visited industries to promote PG admission The nine strategies given to improve student's intake in the academic year 2018-19 were practiced / implemented /followed either fully or partially by all the Departments / Schools /Divisions. The institution wise percentage attainment of strategy implementation in the calendar year 2017 is 70%
2. Induct affiliate faculty from foreign universities and industry.	The Departments / Schools have identified affiliate faculty from academia abroad and from Industry. The affiliate faculty information is also uploaded in the Institution website under respective Departments /

	Schools. In the Academic year 2017-18, more than 145 affiliate faculties were inducted in various departments / schools and 28 courses were handled by them across different programmes.
3. Fund generation to the tune of Rs.10 lakh per annum by each department through research, consultancy, funded project and joint/collaborative research with industries and foreign universities.	All the departments & schools implemented fund generation activities in terms of testing & consultancy, organizing short terms courses, FDP's, value added programs and workshops, organizing national and international level conferences etc. The awareness about sending project proposal to funding agencies has been enhanced through conduct of series of thematic workshops. In the academic year 2017-18, around 35 lakh rupees of fund was generated through conduct of short-term courses, workshops, conferences (National / International) and testing & consultancy activities. 37 Funded project proposals worth 8.72crore were submitted to funding agencies. Two new projects worth 37.84 lakhs and one industry project worth 9.91 lakhs has been sanctioned. The institution's overall achievement in fund generation in terms of implementation of various strategies by departments /schools / centres is 42% in the calendar year 2017.
4. To increase more number of quality research publications.	Efforts were initiated to convert B.Tech.theses in to research paper and M.Tech. theses in to publication in SCI indexed journals. As a result, 185 research papers were published in Scopus indexed SCI international journals and 69 research papers in National Journals, 170 papers in international and 72 papers in national conference

		proceedings.
5.	Enhancement of International Collaboration to facilitate semester abroad programme, faculty student exchange, student internship at foreign universities and Post Doctoral work for faculty.	❖ Departments / Schools initiated fully / partially the implementation of various international collaboration strategies. The salient achievements are as follows: ➢ School of Life Sciences and Crescent School of Architecture initiated student exchange programme. ➢ 42 students and two faculty members of Crescent School of Architecture participated in the joint studio programme at Universiti Teknologi Mara (UiTM) during 18.03.18 – 25.03.18. ➢ 40 students and three faculty from Centre of Studies for Architecture, UiTM, Malaysia participated in the joint studio programme at our Institution during 17.09.17 – 28.09.17. ➢ The joint DST – SERB project proposal by IIT Madras & Department of Civil Engg., B.S. Abdur Rahman Crescent Institute of Science & Technology got sanctioned. ➢ Several MOU's / MOA's have been signed between Industry / Academia partners and Departments / Schools. ➢ Third year B.Tech. Cancer Bio-technology student visited **University of Wisconsin Madison** for a 3 months internship under "**Khorana Program for Scholars 2018** " scholarship for a stipend of **US\$ 2,500.**
6.	Prepare materials for online courses and encourage faculty and students to take up	32 Faculty members and 90 Students registered and pursued online courses in the academic year 2017 -

	online courses.	18. Uploading of video lectures / course materials in the Institution website is in progress.
7.	Encourage research scholars from industries to handle classes to disseminate knowledge on recent trends in industry.	Institution encourages industry personnel to act as Affiliate faculty in the departments / schools. Industry personnel / research scholars working in industry handled 28 courses to the students across different departments.
8.	Organize more number of Conferences/ seminars to enrich knowledge of students and faculty members.	4 International conference, 8 National conference, 2 Workshop, 3 FDPs and 23 value added courses were organized by various departments / schools in the academic year 2017-18.
9.	Enhancement of industry institute interaction through students and faculty internship/project, industrial visits and consultancy and testing services to industry.	The industry Institute interaction was improved by organizing Internship for students & faculty members, inclusion of industrial personnel in the Board of Studies of departments / schools, Student project in Industry, organizing regular industrial visits, organizing industry- institute Meet etc. The salient activities / achievements in the academic year 2017-18 are : 1. Around 200 students pursued their one month industry internship. 13 faculty members also undergone industry training. 2. Consultancy & Testing activities amounting to Rs. 35 Lakhs was executed by various departments / schools. 3. Department of Civil Engineering along with IIT Madras & RIT, Kottayam working in a joint Industry Project worth 29.81 Lakhs.
10.	To connect and develop rapport with Alumni.	- Department level alumni coordinators were identified to reinforce contact with alumni. - Alumni feedback in the form short videos is made available in the Institution website. - Alumni are acting as Member of BoS,

	Internal Quality Assurance Cell, Planning and Monitoring Board, Academic Council etc.
	• Department / Schools wise alumni meeting were conducted.
	• Alma Connect – a social networking platform was created during August 2017 to facilitate effective communication between faculty and alumni & among alumnus. Currently 4000 alumni were registered in this portal.
	• Alumni connect via. LinkedIn, Face book, Twitter etc. has been facilitated through Institution web link.
	• New Alumni Chapter in foreign countries were inaugurated as follows: ▪ Oman Chapter ▪ Australia Chapter ▪ USA Chapter Alumni also inducted as Affiliated Faculty to handle select courses.

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

Best Practice – 1

Induction of affiliate faculty from academia abroad and Industry to handle courses for the UG and PG Students.

Best Practice – 2

Plagiarism check with fixed similarity index made mandatory for PG dissertation

Details are provided in Annexure-III

7.4 Contribution to environmental awareness / protection

• Extreme care was taken not to disturb trees, green vegetation in the campus while designing new building blocks.

- Sewage Treatment Plant (STP) – one plant of 250KLD capacity for Men's Hostel and another 250KLD capacity plant for University is in operation. 500KLD of water was treated and utilized for Landscaping in the University and Hostels.

- Bio-gas methanisation plant of $100m^3$ capacity was commissioned in February 2015 at a cost of 30 Lakhs. In addition new Bio-gas plant of $50m^3$ capacity for Ladies Hostel was commissioned in June 2017

- LED fixtures – of 20KW capacity was installed in our campus in the past 4 years. At least 30% of saving in power consumption is effected from this initiative.

- Solid Waste Management program is in place to segregate and recycle organic waste, paper, cartons, paper cups, soft drink tins, plastic, pet bottles, etc.

- To reduce pollution inside campus, 25 bicycles were provided to students for commutation between Men's Hostel and College Main gate.

- Organic vegetable garden farming was done in Men's Hostel and Ladies Hostel.

- Sanitary napkin incinerator with wet scrubber was installed for disposing the napkins. Wet scrubber is attached at the outlet of burner fumes where the fumes gets scrubbed in water and gets filtered to remove the harmful emissions.

- In addition to the existing solar plant of 250 KWP, an additional 300kwp solar plant order is placed at a cost of Rs.1.2 Crores.

- Tree sampling programme organised by alumni and staff club and around 100 samplings were planted.

7.5 Whether environmental audit was conducted?　　Yes ☐　　No ☑

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

National Board of Accreditation

  ➢ All the eligible programmes of our Institution are NBA Accredited (Under tier I).

  ➢ The NBA accreditation for the following programmes are in process (documents submitted and expecting a visit by expert committee)

    1. B.Tech (Automobile Engineering)
    2. B.Tech (Aeronautical Engineering)
    3. B.Tech (Polymer Engineering)
    4. MBA – Master of Business Administration

National Institutional Ranking Framework MHRD

- B.S. Abdur Rahman Crescent Institution of Science & Technology (BSACIST) participated in NIRF Ranking 2018 and has secured the following ranks in each category:

As an Engineering Institution   : All India Rank 79

As a University   : In the Rank band of 101 – 150

Overall   : In the Rank band of 151 – 200

- In Teaching Learning aspect the Institution was ranked the 7th best in Tamil Nadu as per NIRF 2017.

Data Quest Ranking 2017

- Institution ranked in Data Quest Ranking Survey 2017.
- Institution secured 2nd Rank in south zone overall in Private Institutions Category and 10th Rank in South Zone in General category as per Data Quest Ranking 2017

Other Rankings

- ➢ **TIMES Magazine Ranking**:
  - ❖ Overall - All India 57th Rank,

    All India rank 13th among the private Institutions.
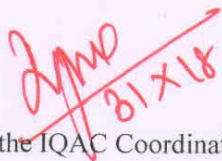
- ➢ **THE WEEK Ranking** :
  - ❖ Overall - All India 76th Rank,
  - ❖ South Zone – 23rd Rank.

- ➢ B. S. Abdur Rahman Crescent Institute of Science & Technology is one of the four Institution in India, which has been awarded an "Overall 4 Star Rating" by QS, an International Ranking agency for the Universities across the globe. Very few Universities across the globe alone, have been awarded "Overall 4 Star Rating" (Maximum : 5 Star).

- ➢ Out of the 8 parameters considered for audit and evaluation, Crescent has bagged "5 Stars" in 04 categories viz., Teaching, Employability, Facilities & Inclusiveness.
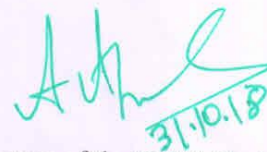
8.0. Plan of Institution for next year:

1. To innovate and implement strategies to increase the intake of students during the academic year 2019-20.
2. To implement partial / full course delivery by affiliate faculty from foreign universities and industry in all the departments / Schools of the Institution.
3. Fund generation to the tune of Rs.20 lakh per annum by each department through research, consultancy, funded project and joint/collaborative research with industries and foreign universities.

4. To increase the number of quality research publications in Scopus or SCI Journals by fixing target for departments / schools / faculty members.

5. To augment International Collaboration to facilitate semester abroad programme, faculty student exchange, student internship at foreign universities and Post Doctoral work for faculty.

6. To effect improvement in uploading course materials / video lectures in the Institution website, preparation of course materials for online courses and faculty & students registration in online courses.

7. To improve participation of research scholars from industries to handle classes for UG courses to disseminate knowledge on recent trends in industry.

8. To organize more number of thematic conferences/ seminars / value added programs to enrich knowledge of students and faculty members.

9. To enhance the industry institute interaction through students and faculty internship/project, industrial visits and consultancy and testing services to industry.

10. To augment the connectivity and rapport between the Alumni and the Institution.

Signature of the IQAC Coordinator

Name: Dr. R.Raja Prabu

Signature of the IQAC Chairman

For Name: Dr. Sahol Hamid Bin Abu Bakar

ANNEXURE – I Academic Schedule

B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956
GST Road, Vandalur, Chennai 600 048

06.12.2017

Academic Schedule for the Academic Year 2017-18

ACTIVITY	ODD SEMESTER			EVEN SEMESTER	
	UG & PG	I Semester – PG / Law / Pharmacy	SIS	ALL UG & PG	SIS
Commencement of the Academic Year	17.07.2017	23.08.2017	05.06.2017	08.01.2018	13.12.2017
CAT I	11.09.2017	26.10.2017	16.08.2017	26.02.2018	17.01.2018
CAT II	26.10.2017	04.12.2017	11.10.2017	16.04.2018	07.03.2018
Last Date for Payment of Exam Fees	13.10.2017			27.03.2018	
Last Date for Payment of Exam Fees with Fine	20.10.2017			03.04.2018	
Last Working Day	17.11.2017	19.12.2017	16.11.2017	04.05.2018	18.04.2018
Practical Courses – Semester End Exams	20.11.2017	03.01.2018	--	05.05.2018	--
Substitute Exams	04.12.2017	03.01.2018	--	17.05.2018	--
Theory Courses – Semester End Exams	07.12.2017	21.12.2017	17.11.2017	21.05.2018	19.04.2018
Ph.D. Directed Study	21.12.2017	--	--	04.06.2018	--
Arrear Theory Courses – Semester End Exams					
Result Declaration	02.01.2018	17.01.2018	08.12.2017	11.06.2018	05.05.2018
Supplementary Examinations	--			27.06.2018	--
Reopening Date for the next semester	08.01.2018		13.12.2017	09.07.2018	--

M. AM
COE
6/12/2017

DEAN (AA)
06/12/17

REGISTRAR
06/12/17
(AC)

ANNEXURE – II (A) Student Feedback Report – Level I

B.S.Abdur Rahman University, Vandalur, Chennai-48.

STUDENTS FEEDBACK REPORT

Interim Feedback – Level I

Feedback Date : 12/10/2017

Class Name & Semester : B. Tech. (CE - B) - 5

Total Number Of Students : 49

Number Of Students Responded 42

Staff Name : MS.R.ELAKYA

Subject Code & Name : CEB 3103 & Geotechnical Engineering I

S.No.	Question	Grade Point (1 - 5)
	Level I	
1	Teacher's pace and level of instruction are suited to the level of students	3.60
2	Teacher is able to maintain discipline in the class	5.48
,	Teacher encourages students questioning and creativity	3.87
4	Teacher speaks clearly and audibly	3.95
5	Teacher uses variety in teaching methods and employs relevant tools	3.69
6	Teacher writes and draws legibly	3.79
7	Teacher comes to the class on time and engages regularly	3.67
8	Teacher Explains concepts well, provides adequate examples	3.52
9	Teacher comes well prepared in the course	3.62
10	Teacher had created an interest in the course	5.69

Overall Average for the subject : 3.68

Course Teacher

Class Advisor 12/10/17

HOD/CE

Generated Through C@mpIT

ANNEXURE – II (B) Student Feedback Report – Level II (Part A)

B.S.Abdur Rahman University, Vandalur, Chennai-48.

STUDENTS FEEDBACK REPORT

Part A (feedback on the Course Teacher) - Level II

Feedback Date : 08/11/2017

Class Name & Semester : B. Tech. (CE - A) - 3

Total Number Of Students : 43

Number Of Students Responded : 37

Staff Name : KANMANI.K

Subject Code & Name : CEB 2106 & Surveying Laboratory I

S.No.	Question	Grade Point (1 - 5)
	Evaluation	
1	Teacher selects standard questions covering the stipulated syllabus	4.14
2	Teacher provides good feedback during evaluation on the performance of the students	4.22
3	Teacher gives variety of assessments like seminars, quiz, and design exercise as assignments and conducts tests	4.19
4	Teacher's evaluation of assignments and tests is fair and impartial	4.24
	On presentation skills of the course teacher	
1	Teacher's pace and level of instruction are suited to the level of students	4.19
2	Teacher speaks clearly and audibly	4.32
3	Teacher writes and draws legibly	4.27
4	Teacher uses variety in teaching methods and employs relevant tools	4.24
	On the approach adopted by the course teacher	
1	Teacher is able to maintain discipline in the class	4.19
2	Teacher comes to the class on time and engages regularly	4.14
3	Teacher is courteous and impartial in dealing with students	4.24
4	Teacher offers assistance and counseling to the needy students	4.22
	On the effectiveness of teaching - Learning	
1	Teacher comes well prepared in the course	4.16
2	Teacher encourages students questioning and creativity	4.19
3	Teacher had linked the course to real life engineering and made it interesting	4.24
4	Teacher is accessible for clarification of doubts	4.22
5	Teacher covers the syllabus completely and in appropriate time	4.27
6	Course is organized in logical sequence	4.16

Overall Average for the subject : 4.21

Course Teacher

Class Advisor

HOD/CE

Generated Through C@mpIT

ANNEXURE – II (B) Student Feedback Report – Level II (Part A)

B.S.Abdur Rahman University, Vandalur, Chennai-48.

STUDENTS FEEDBACK REPORT

Part A (feedback on the Course Teacher) - Level II

Feedback Date	: 08/11/2017
Class Name & Semester	: B. Tech. (CE - A) - 3
Total Number Of Students	: 43
Number Of Students Responded	37
Staff Name	: KANMANI.K
Subject Code & Name	: CEB 2105 & Surveying Laboratory I

S.No.	Question	Grade Point (1 - 5)
7	Teacher Explains concepts well, provides adequate examples	4.16
8	Teacher had created an interest in the course	4.24

Overall Average for the subject :   4.21

Course Teacher   Class Advisor   HOD/CE

Generated Through   C@mpIT

ANNEXURE – II (B) Student Feedback Report – Level II (Part B)

B.S.Abdur Rahman University, Vandalur, Chennai-48.

STUDENTS FEEDBACK REPORT

Part B (Feedback on the Course) - Level II

Feedback Date	: 04/12/2017
Class Name & Semester	: B. Tech. (CE - A) - 7
Total Number Of Students	: 57
Number Of Students Responded	41
Staff Name	: MR.S.DHAMODHARAN
Subject Code & Name	: CEB 4107 & Irrigation and Environmental Engineering Drawing

S.No.	Question	Grade Point (1 - 5)
	On the relevance of the course	
1	The success of the course in achieving the stated course objectives	4.20
2	The contribution of the course in terms of knowledge and skill gained	4.17
3	The difficulty level of the course (5- Very easy, 4- Easy, 3 – Balanced, 2 – Difficult,1- Very difficult)	4.12
4	The relevance of the course in fulfilling the program objective	4.32
5	The general rating of the course	4.10

Overall Average for the subject :   4.18

Course Teacher   Class Advisor   HOD/CE

Generated Through   C@mpIT

ANNEXURE – II (C) Feedback from Outgoing Students

B.S. Abdur Rahman

Crescent
Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956

SCHOOL OF LIFE SCIENCES

Analysis of Exit Survey from Outgoing Students (June- 2018)

Program   : B.Tech- Biotechnology

Total Number of Students   : 69

Number of Students Responded   : 66

Analysis of exit survey conducted for VIII semester students is presented below. Average score out of 0-5 scale for each question is used and represented graphically.

Very well prepared - 5   **Well prepared - 4**   **Prepared - 3**
Somewhat prepared - 2   **Not prepared - 1**   **Can't evaluate - 0**

Future plans:
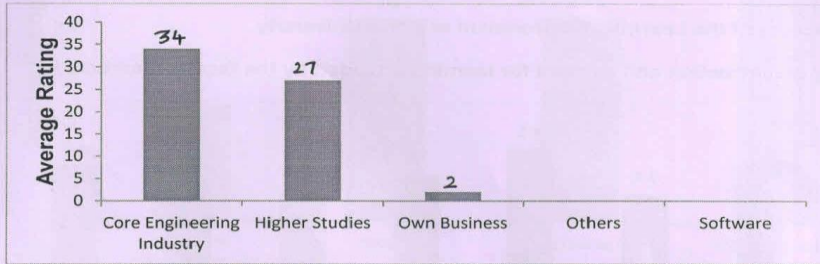
1. **Assessment of abilities, skills and attributes acquired at B.S.A University.**
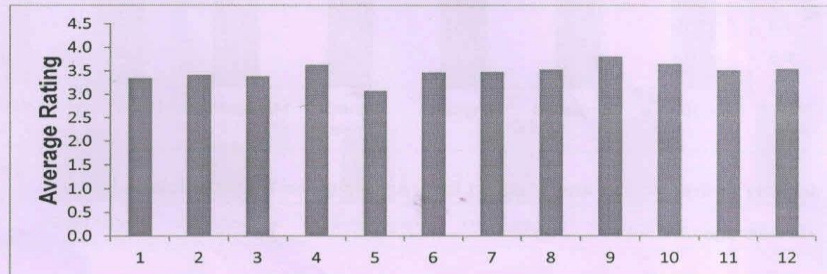
1. Apply knowledge of Mathematics, Science and Engineering fundamentals.
2. Identify, formulate and analyse complex engineering problems.
3. Design a system, component, or process to meet desired needs.
4. Use research-based knowledge to provide valid conclusions.
5. Create, select and apply appropriate techniques.
6. Understand professional and ethical responsibilities.
7. Apply reasoning to assess societal and cultural issues.
8. Understand and appreciate the impact of engineering in the societal and global contexts.
9. Apply ethical principles and commit to professional ethics.
10. Function effectively as an individual and as a team.
11. Communicate effectively on complex engineering activities
12. Demonstrate knowledge and understanding of engineering and management principles.

2. **Assessment of the Learning Environment at B.S.A University**

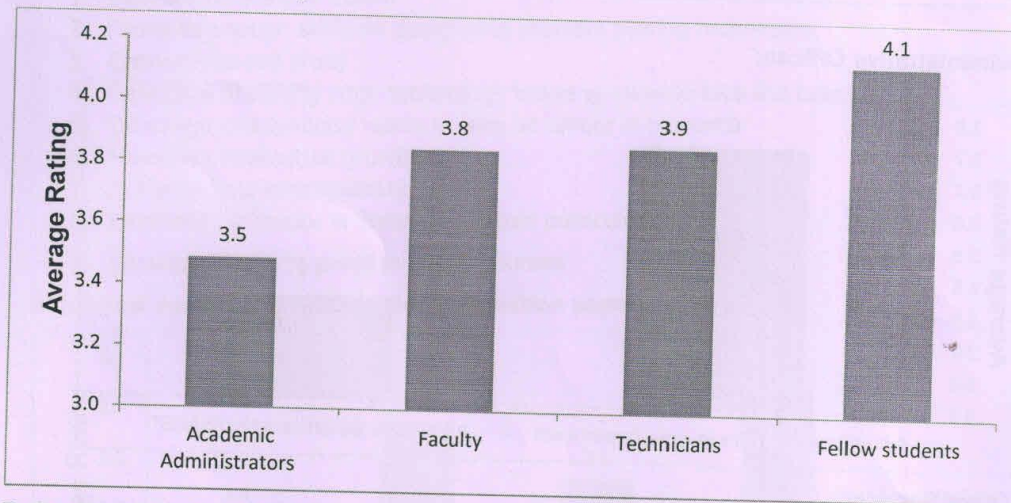A. **Quality of instruction and support for learning provided by the faculty members in:**
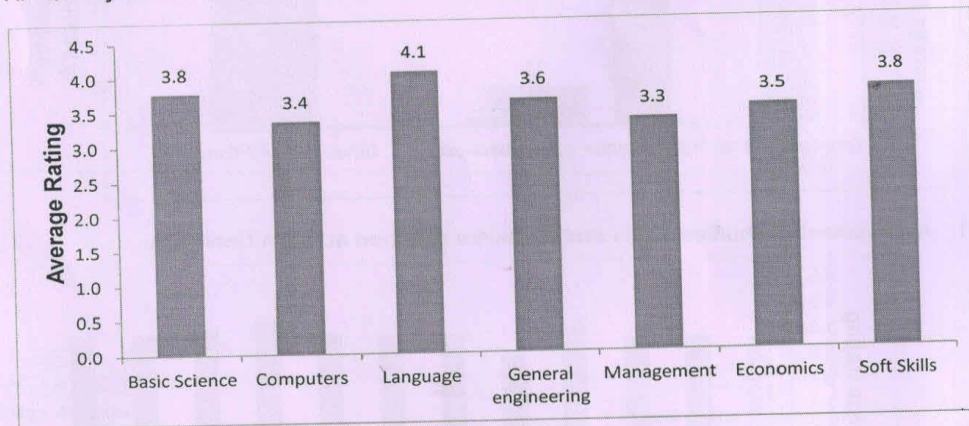
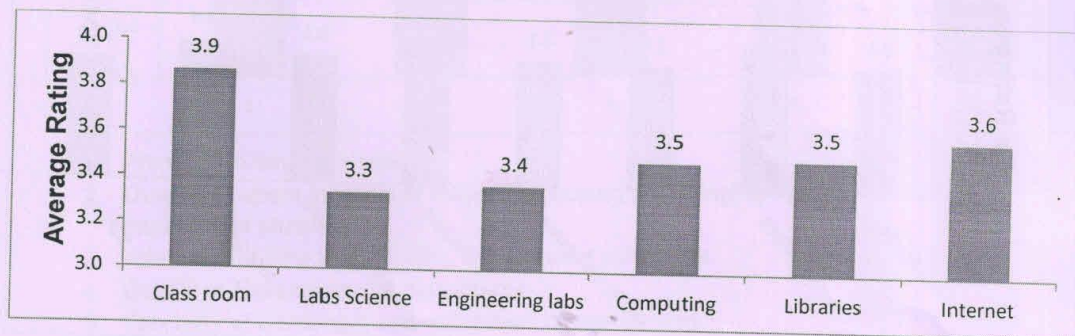B. **Quality of instruction and support for learning given by technicians.**

Average: 3.8

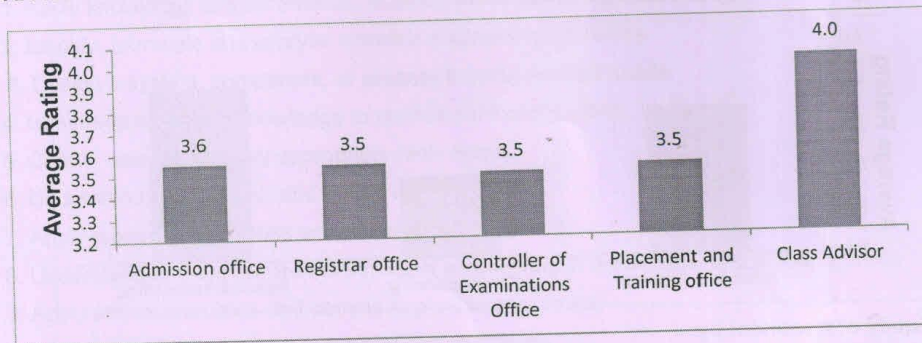## C. Quality of advice by the staff with respect to:
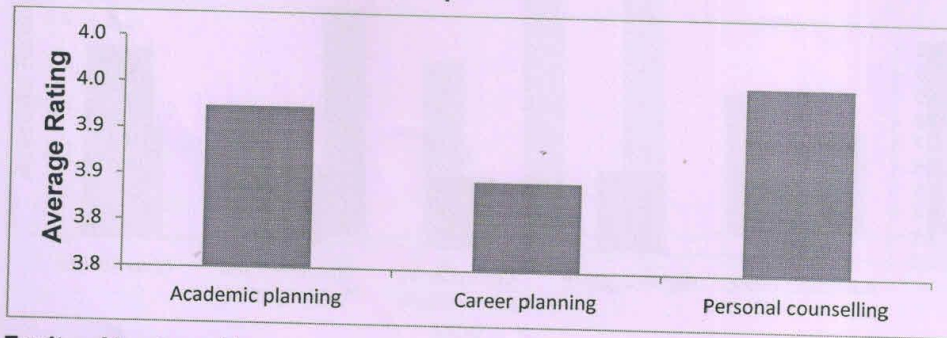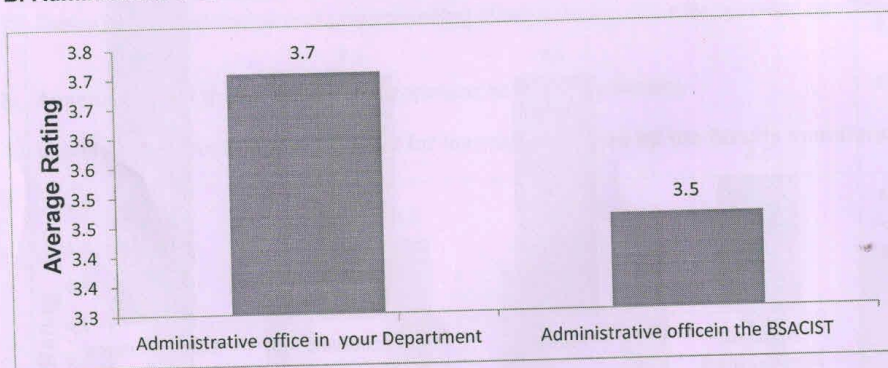

D. Equity of treatment by:

E. Quality of the facilities:
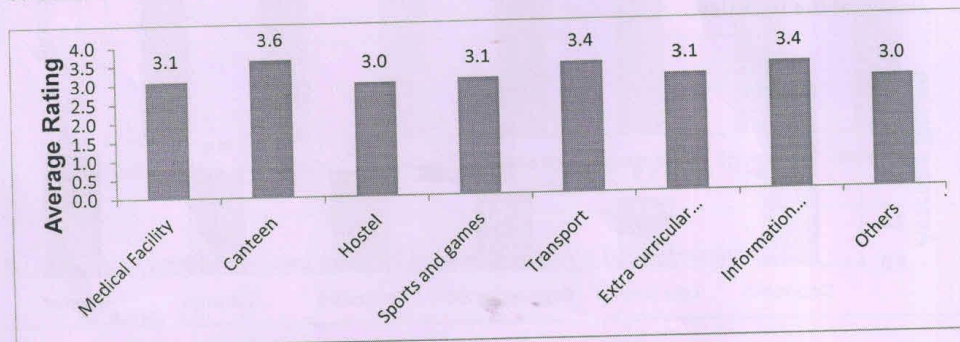
3. Assessment of Support Services

A. Academic Services:
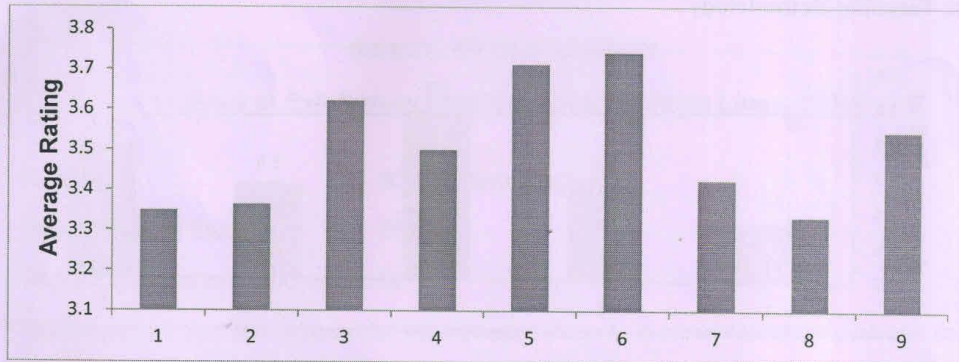

B. Administrative Offices:


C. Other Services:

4. Assessment of curriculum offered, schedules and question paper standards

A. Curriculum:

1. Flexibility of the curriculum
2. Provides enough skills on design and problem solving techniques
3. Encourages self study
4. Coverage of cutting edge technology topics in order to face the future
5. Coverage of advanced topics to take up career in research
6. Promotes intellectual growth
7. Enhances our employability
8. Availability of books in library to support curriculum
9. Encouragement to enroll in online courses

### B. Internal Assessment Schedules & Question paper
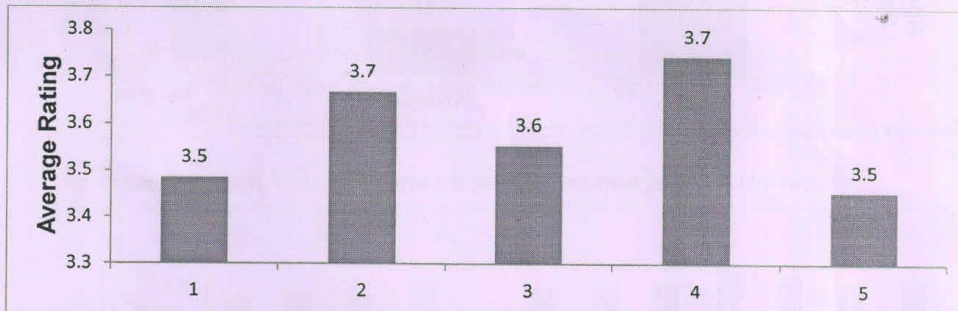
1. Promotes analytical thinking
2. Question papers in terms of thought provoking and bringing out the intellectual capability of students
3. Adequacy of time to cope with assessment schedules
4. Quality of Evaluation of Assessments
5. Flexibility of Enrolment and withdrawal of course work

C. Teaching Methodology
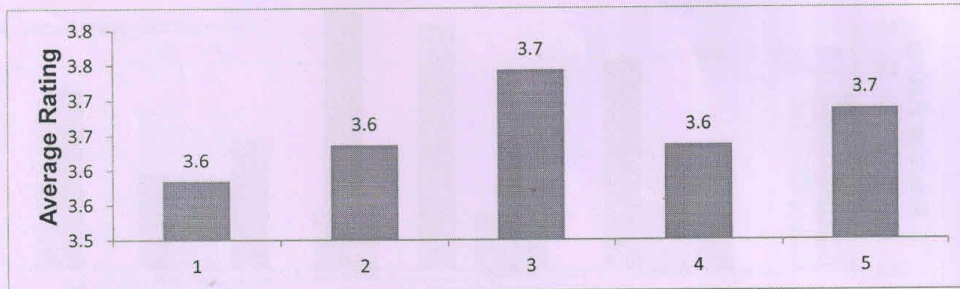
1. Adoption of innovative teaching methodologies
2. Coverage of the topics
3. Basic concepts taught
4. Encouragement for group discussions, seminars and interactive discussions
5. Effectiveness of project based learning

D. To what extent do you feel that your learning objectives have been achieved?
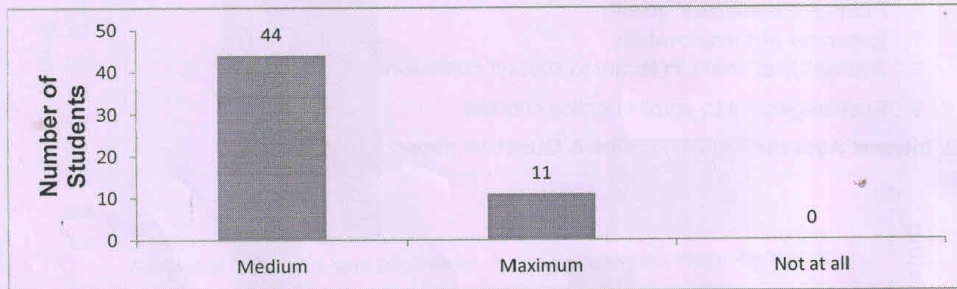
Class Advisor

Head of the Department
DEAN
School of Life Sciences
B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Vandalur, Chennai-600 048.

ANNEXURE II (D) – PARENTS FEEDBACK

Crescent
B.S. Abdur Rahman
Institute of Science & Technology

Consolidated Report of Parent-Teacher Meeting

Date: 27-03-18

Name of the Department / School	SCHOOL OF INFRASTRUCTURE – DEPARTMENT OF CIVIL ENGINEERING
Semester, Programme, Branch & Section	IV - B-TECH- (CIVIL) 'A' SECTION Semester
Name & Designation of the Faculty Advisor	R·ELAKYA, ASSISTANT PROFESSOR N·MANICKAPRIYA, ASSISTANT PROFESSOR
Date of Parent-Teacher Meeting	24·03·18
RRN (From – To) of students under Faculty Advisor	160011601002 – 07, 1009 – 1011, 1014, 1016 – 1021, 1025 – 1030
Number of parents asked to attend the meeting compulsorily	21
Number of parents attended the Parent-Teacher meeting	04
RRN of students whose parents were required to attend the meeting and did not attend	160011160002, 10, 06, 07, 17, 19, 21, 26, 28, 29, 31, 40, 77, 87, 2003, 2004, 2005, 2006
Remarks	—
Further Course of Action	The parents who did not attend the meeting were informed through call again to meet the class advisor

R.E.L 27/03/18
Class Advisor

N.Manickapriya 27/3/18
Faculty Advisor

Veoonlh P 27/3/2018
Head of the Department / Dean of School

T. Vlavi 27/03/18
Dean (Academic Affairs)

Dean (AA)

Crescent
Institute of Science & Technology

PARENT FEEDBACK FORM

Date: 24/03/2019

B.S. Abdur Rahman Crescent Institute of Science & Technology is constantly striving for all round improvement in teaching and learning process, in order to provide maximum benefit of resources to the students. The parents and guardians of our students are main stakeholders of the Institute system and we value your feedback to improve the services offered at the Institution. Kindly fill up the following and hand it over to the Class Advisor / Faculty Advisor. This will help us to serve you better.

Name of the parent: A.H. RAHMAN, ANEES FATHIMA

Address: 9/1 Mosque Street South Bangalmah 8 P.O.
Kanyakumari Distt.

Mobile No: 9443606499 Email Id: kaleelrahman.1957@gmail-com

Name of the Student: ABDUL BASITH A RRN: 1600/162/002

Program : B.Tech/ B.Arch / B.Des/ B.Pharm/ BBA-LLB / B.Com-LLB / B.Com / B.Com –AF / B.Sc-Bio / B.Sc-CS / BBA-FS / BCA-CTIS / BCA-MAIS / BCA-DS / M.Tech / MBA / MCA /M.Sc.

Year : I year / II year / III year / IV year / V Year

Please rate the University from the Parent's perspective:

(Please tick appropriate box for rating)

S.No.	Description	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
1	Quality of Teaching			✓		
2	Laboratory Facilities			✓		
3	Examination System			✓		
4	Discipline			✓		
5	Campus Atmosphere			✓		
6	Teacher - Parent Interaction			✓		
7	Student Amenities (Bus, Wi-Fi /Internet, Library etc.)			✓		
8	Extracurricular Activities			✓		
9	Sports Facilities			✓		
10	Canteen Facilities			✓		
11	Overall Rating			✓		

Any other suggestions for improvements on the following:

1. Administration: ....

2. Academics : ....

3. Others : ....

Signature of the Parent
A.H.

PARENT FEEDBACK FORM

Date: 24...03.18.

B.S. Abdur Rahman Crescent Institute of Science & Technology is constantly striving for all round improvement in teaching and learning process, in order to provide maximum benefit of resources to the students. The parents and guardians of our students are main stakeholders of the Institute system and we value your feedback to improve the services offered at the Institution. Kindly fill up the following and hand it over to the Class Advisor / Faculty Advisor. This will help us to serve you better.

Name of the parent: ...Mussafa....Abdul...Rahman...............................

Address:...7,jin...03m...Street...Kilakarai..

....

Mobile No:...8754056043............ Email Id: ...abbra.2015.@.Yahoo.com............

Name of the Student: ..Oman...Farook............................ RRN: ...160116018.78........

Program : B.Tech/ B.Arch / B.Des/ B.Pharm/ BBA-LLB / B.Com-LLB / B.Com / B.Com –AF / B.Sc-Bio / B.Sc-CS / BBA-FS / BCA-CTIS / BCA-MAIS / BCA-DS / M.Tech / MBA / MCA /M.Sc.

Year : I year / II year / III year / IV year / V Year

Please rate the University from the Parent's perspective:

(Please tick appropriate box for rating)

S.No.	Description	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
1	Quality of Teaching		✓			
2	Laboratory Facilities			✓		
3	Examination System			✓		
4	Discipline		✓			
5	Campus Atmosphere			✓		
6	Teacher – Parent Interaction			✓		
7	Student Amenities (Bus, Wi-Fi /Internet, Library etc.)			✓		
8	Extracurricular Activities			✓		
9	Sports Facilities			✓		
10	Canteen Facilities			✓		
11	Overall Rating			✓		

Any other suggestions for improvements on the following:

1. Administration: ....

2. Academics : ....

3. Others : ....

Signature of the Parent

9442987579

<div align="center">

ANNEXURE III – BEST PRACTICES (1 & 2)

<u>Best Practice - 1</u>

</div>

<u>Best Practice – 1</u>

Affliate faculty from academia abroad and Industry handling courses for the UG and PG Students.

i)   Objectives of the Practice

- To enhance the learning skill of the students and deep understanding of the concepts of course contents they learn.
- To make the students to understand the course content through relevant field application / industry conditions.
- To provide opportunities interact and acquire knowledge from international academia.
- To expose the students to current trends in the industry and future technologies.

ii)   The Context

- Through 1 / 2 credit courses delivered by academia abroad / industry personnel, students can acquire the global knowledge on the latest technologies in industry.
- The course content can also be framed by the academic expert / industry personnel as per the current industry needs.
- A module of a course or complete course is handled by the experts from industry / academia abroad.
- To provide students an opportunity to interact with experts from industry and academia to understand global advancement.
- To trigger interest in learning contemporary theoretical course on latest technology and make students to excel in that domain.

iii)   The Practice

- ➤ A Minimum of 10 affiliate / adjunct faculty each from academia abroad/ industry was inducted in all the departments / schools.
- ➤ In case of academic experts from abroad, availability of the experts during the trip to India is explored.
- ➤ A time table is prepared suiting the availability of industry experts/ eminent academicians and the courses timings are fixed accordingly.
- ➤ One credit course / module in the 3 or 4 credit course can be handled by affiliate faculty.
- ➤ Evaluations of portions covered by the affiliate faculty is done by themselves / by the faculty handling the course.

iv)   Evidence of Success

- ➤ 28 courses were handled by the affiliate faculty in the academic year 2017-18 across different

programmes.

- ➢ More than 500 students were benefitted by the affiliate faculty system in the academic year 2017-18.
- ➢ The industry interaction has been improved. Outcome oriented MoU's has been signed with Industries and academia.
- ➢ Affiliate faculty system created confidence among the students and enhanced their employability oppurtunities.
- ➢ Visit of eminent academicians from abroad resulted in student exchange programme in some departments.

v)   Problems Encountered and Resources Required

- The Institution has to arrange for special classes if an affiliate faculty from abroad visits India during non working days.
- Assessment methodology to evaluate the course contents handled by affiliate faculty shall be formulated.
- Short visits by faculty abroad results in arrangement of cluster of class hours for the same course which affects the timetable.
- Industry personnel prefers weekends / Holidays for course delivery which is a constraint.
- Exclusive budget shall be allotted department wise to accommodate affiliate faculty in different programmes.
- Intense lecture sessions in short durations may affect the learning skills of slow learners.

<u>Best Practice – 2</u>

<u>Best Practice</u> – 2

Implementation of Plagiarism check and similarity index made mandatory for PG dissertation

i)   Objectives of the Practice

- To check and ensure the originality of the project work and report of the students.

ii)   The Context

- The Turnitin administrator provides input on software working principles to research students and faculty.
- Feedback on the report generated by the Turnitin software in the form of text and visualisation allows users to understand the results.

iii)   The Practice

- ➢ A separate administrator for plagiarism checking, update and issues in articles for Research scholar is allocated.
- ➢ Every department has three users for plagiarism check for students as well as staff members.
- ➢ Up to ten percent of plagiarism content is accepted for thesis or research publication.
- ➢ The nature of plagiarism is explained to the scholar and guidelines regarding the use of quoted text are provided for better understanding.

iv)   Evidence of Success

- It was observed that, in the last semester, UG / PG students have used plagiarism software to check their project work to reduce the percentage of similarities and all of them had less than 10% of plagiarism.
- All the research articles are checked for plagiarism before sent for publication.

v)   Problems Encountered and Resources Required

- There is a need for continuous monitoring of students /scholars with regard to plagiarism.
- Scholars need to be trained in paraphrasing the resources.