SONA COLLEGE OF TECHNOLOGY

Learning is a Celebration !

|An Autonomous Institution|

ANNUAL QUALITY ASSURANCE REPORT
2017 - 2018

CONTENTS

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2017-2018

1. Details of the Institution

1.1 Name of the Institution

Sona College of Technology

1.2 Address Line 1

Junction Main Road,

Address Line 2

Suramangalam (P.O.),

City/Town

Salem

State

Tamil Nadu

Pin Code

636005

Institution e-mail address

principal@sonatech.ac.in

Contact Nos.

0427-4099999

Name of the Head of the Institution:

Dr. S.R.R. Senthil Kumar

Tel. No. with STD Code:

0427-4099919

Mobile:

+91 - 9443366495

Name of the IQAC Co-ordinator:

Dr.R.Vinod Kumar

Mobile:

+91 - 9865657392

IQAC e-mail address:

iqac@sonatech.ac.in

1.3 NAAC Track ID

-

OR

1.4 NAAC Executive Committee No. & Date:

EC/PCA&A/61/29 dated 15-9-2012

1.5 Website address:

http://www.sonatech.ac.in

Web-link of the AQAR:

http://www.sonatech.ac.in/AQAR2017-18.doc

1.6 Accreditation Details

S. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st cycle	A	3.21	2012	Sep 14, 2017

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

20/11/2012

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

   i.   AQAR 2014-15 submitted to NAAC on 18/03/2017

   ii. AQAR 2015-16 submitted to NAAC on 18/03/2017

   iii. AQAR 2016-17 submitted to NAAC on 07/11/2017

   iv. AQAR 2017-18 submitted to NAAC on 03/09/2018

1.9 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 [✓]

1.10 Type of Faculty/Programme

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

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

   Others   (Specify)   [.]

1.11 Name of the Affiliating University *(for the colleges)*

ANNA UNIVERSITY, CHENNAI

1.12 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*)   DSIR - SIRO

UGC-COP Programmes [ ]

2. IQAC Composition and Activities

2.1 No. of Teachers	11
2.2 No. of Administrative/Technical staff	2
2.3 No. of students	2
2.4 No. of Management representatives	2
2.5 No. of Alumni	2
2. 6 No. of any other stakeholder and community representatives	2
2.7 No. of Employers/ Industrialists	2
2.8 No. of other External Experts	2
2.9 Total No. of members	25
2.10 No. of IQAC meetings held	2

2.11 No. of meetings with various stakeholders: No. [4] Faculty [1]

Non-Teaching Staff Students [1]   Alumni [1]   Others [1]

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. [2]   International [ ]   National [ ]   State [ ]   Institution Level [2]

(ii) Themes

> 1. Academic Audit
> 2. Internal Quality Auditors Training

2.14 Significant activities and contributions made by IQAC

The IQAC played a very active role in inculcating the sense of providing quality education to the students with the following quality objectives for 2017-18:

- The lecture capture system was added to more classrooms for the benefit of students for all the years.
- The utilization of Blackboard learning management for students was 100%.
- To introduce customised student training in new technology areas for students planning to enter IT Companies.
- To increase the peer teaching to help all the slow learners.
- To conduct external and internal academic audit for all programmes.
- To link the students to the various projects carried out by the different R & D Centres.
- To provide training on entrepreneurship through Sona Business Incubation Centre for the holistic development of Students.
- To increase the interactions of co-curricular activities like NSS, NCC, YRC etc.
- To increase the revenue generation through R & D, Consultancy, Continuing Education, Testing Services etc.
- To create awareness and enhance the ecological practices so as to conserve water, power etc, and keep the campus eco-friendly.
- To make students take part in all Swatch Bharath Schemes.
- To implement steps to improve the livelihood of rural woman in surrounding villages by providing Skill oriented training.

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 outcomes achieved by the end of the year*

S.No.	Plan of Action
1	To implement CBCS System Regulation 2015R for all disciplines
2	To conduct academic audit for all programs for each semester
3	To organize two pedagogy training programmes for faculty
4	To incorporate a more disciplined and outcome based approach in the teaching learning process aimed at improved quality in student placement.
5	To implement a customised student training in new technology areas currently used in industry
6	To encourage all faculty to take up at least two MOOC courses per year to enhance their technical knowledge
7	To attain maximum utilization of digital learning platforms (Moodle / Blackboard / LCS) by all faculty.
8	To enhance the research grants and achieve revenue generation to the tune of Rs. 3 Crores.
9	To motivate faculty to continue their research through attractive incentives for publication of papers / books in reputed journals
10	To enhance student support systems through career counselling
11	As part of the holistic development of students, to provide training on entrepreneurship through the Entrepreneurship Development Cell.
S.No.	Outcomes
1	CBCS System in 2015R was implemented for all disciplines
2	The external and internal academic audits for all programmes was conducted for both the semesters
3	The pedagogy programmes were conducted for all categories of faculty to help them refresh their teacher skills from time to time
4	The design of the curriculum and development of syllabi for individual programmes was done to achieve stated course and learning outcome. Development of outcomes and measuring their achievement have been reinforced through regular involvement in NAAC and NBA processes by faculty.
5	Special training programmes to suit the needs of specific industries were conducted for students planning to enter IT Companies.
6	All the faculty have completed two MOOC courses or one MOOC course and one FDP/ industrial training during the year.

7	100% utilization of moodle and blackboard was attained. For LCS 80% utilization was attained.
8	Sona has received research funding to the extent of Rs.3 Crores form DST, for projects like FIST,WTP, Agri-BPO, CDSS etc.,
9	An incentive for publications had been announced with effect from July 2017. Rs 15,000/- for first / second authors and Rs 5000/- for remaining authors in SCI publications. Similarly Rs 25,000/- for Book publications and Rs 5000/- for contribution to a book chapter.
10	A career counsellor Mrs.Srikutty has been appointed for specific counselling of students for slow learners and motivating fast learners to achieve excellence.
11	A total of 21 programmes was conducted through the Entrepreneurship Development Cell (EDC) and 864 students benefited from these programmes.

* Academic calendar of the year enclosed in Annexure I.

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

Management ✓   Syndicate ☐   Any other body ☐

Provide the details of the action taken

- To support students progression and bring together the interest of parents and the college, parents-teachers meeting was conducted twice a year in every department.

- A review of lecture capture system and blackboard was done. Based on the positive feedback more classrooms are being provided with LCS.

- The Vice Chairman Mr.V.Chocko Valliappa initiated steps to bring more experts from industries for conducting guest lectures and interacting with students to improve placement opportunities. Accordingly in each department five to six industry experts delivered guest lectures.

- The Chairman initiated steps to increase startups through incubation centres. Dr.M.Dhanasu has been appointed as Director, Sona Business Incubation Centre (SBIC). It is supported by MSME DC, New Delhi. The funding amount for three projects has been initiated and five more are in the pipeline. Dr. S. Nirmalesh, Young Scientist, European Union and an alumni of the college is a visiting faculty for the start-ups.

- A campus maintenance committee was formed for the upkeep and improvement of the campus eco-system. As part of green initiatives a 167kw solar power plant was installed in the campus.

- A review of the college canteen operation was done to ascertain the quality of food served. The canteen has been remodelled to suit the students.

- A review of the campus security system was done to ascertain the functioning of CCTV cameras and Wi-Fi connectivity in the campus including the Hostel.

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	-	-	-	-
PG	14	-	14	-
UG	7	-	7	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	21		21	**-**

Interdisciplinary				
Innovative				

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

   (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	31
Trimester	01
Annual	-

1.3 Feedback from stakeholders (Details enclosed in Annexure-II)

- Alumni   ✓
- Parents   ✓
- Employers   ✓
- Students   ✓

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

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

Yes.

Academic Council of Sona College of Technology approved the MBA Regulation 2017 incorporating Trimester pattern for the students admitted from 2017 onwards.

1.5 Any new department/centre introduced during the year. If yes, give details.

Yes.

A new research centre "Centre of Excellence in Industrial Automation" was established in Electrical and Electronics Engineering department for students training in PLC and for placement opportunities.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
331	239	53	39	-

2.2 No. of permanent faculty with Ph.D.   :   123

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

Asst. Professors		Asso. Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
19	19	3	3	2	2	-	-	24	24

2.4 No. of Guest and Visiting faculty and Temporary faculty

Guest faculty	0
Visiting faculty	11
Temporary faculty	01
Guest lecturers	102

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended seminars/ workshops	33	102	136
Presented papers	109	61	05
Resource Persons	03	13	08

2.6 Innovative processes adopted by the institution in teaching and learning process:

- Students are provided with opportunities to learn through lecture sessions by experts in different fields through NPTEL.
- 8000 user-licenses for Blackboard Learning Management Software are available on the campus for use by faculty and students. Lectures, assignments, videos, animation, etc. related to the courses are uploaded in addition to the quizzes posted on the Blackboard platform.
- Faculty members are also encouraged to take on-line courses offered by NPTEL, Coursera, etc. to upgrade their knowledge and thereby enhance the teaching-learning process.
- Lecture Capture Systems (LCS) are installed in at least one classroom per department. More installations are in the pipeline. The lecture sessions are posted (after necessary editing) on the LCS portal for viewing by students any number of times.

- Students who excel in their studies are appointed with remuneration as peer-teachers to enhance the learning of their classmates.
- Students with a natural bent for research are allotted to research faculty and R&D centres as assistants in ongoing research projects to provide them with an opportunity to channelise their research potential.
- Relevant industry mentors/subject experts have been identified and certain topics are taught by them
- Student–centric learning, to practice industry specific cases using MOODLE is adopted.
- Consistent assessment and adaptive tests are conducted using customized MOODLE.
- Laboratory courses are run through MOODLE virtual laboratories.

2.7 Total No. of actual teaching days during this academic year : 182

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

- Online multiple choice question test is conducted through MOODLE.
- The policy of issuance of photocopy of the answer scripts to the student is placed in the system.

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

Member of BoS	Faculty Development	Curriculum Development
133	224	299

2.10 Average percentage of attendance of students   : 91.3

2.11 Course/programme wise distribution of pass percentage:

Title of the programme		Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
ECE (UG)		139	27.34	64.75	4.32	NA	96.40
ECE (PG)	CS	9	88.89	11.11	-		100
	VLSI	7	57.14	42.86	-		100
EEE (UG)		142	23.24	70.42	1.41		95.70
EEE (PG)	PSE	15	86.67	13.33	-		100
	PED	7	71.43	28.57	-		100
MECH (UG)		213	15.96	75.59	1.41		92.95
MECH (PG)	ED	10	60.00	30.00	-		90.00
	PDD	-	-	-	-		-
CIVIL (UG)		144	25.69	57.64	7.64		90.97
CIVIL (PG)	STR	23	56.52	43.48	-		100
	CEM	15	33.33	66.67	-		100

CSE (UG)		140	32.86	60.00	2.86		95.71
CSE (PG)	CSE	17	70.59	29.41	-		100
	SE	-	-	-	-		-
IT (UG)		131	22.14	64.89	6.87		93.89
IT (PG)		5	20.00	80.00	-		100
FT		98	22.45	70.41	2.04		94.89
MCA		65	32.31	67.69	-		100
MBA		176	9.66	89.77	-		99.43

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

- The college has standard pedagogical practices. The Faculty Record Book (FRB) in which the lesson plan, course outcomes, programme outcomes, course delivery details, list of resources developed, etc. are documented, serves as a record of all the academic activities.
- The FRBs are regularly monitored by the HODs. The effectiveness of the process is then assessed by the IQAC team.
- Year plan preparation helps to achieve the goals.
- Feedbacks were obtained from the students through structured questionnaires related to teaching learning process.
- Ensures the meeting of Board of Studies to update the curriculum in all disciplines.
- Feedback forms on curriculum are collected, analysed and a report is prepared which helps in the teaching and learning process.
- Individual faculty performance appraisal and self-evaluation by faculty is done with a view to assess the faculty effectively.
- Organization of workshops, seminars, staff development activities to promote faculty development.
- Organizing Higher Education Programmes and one credit courses for students.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	93
UGC – Faculty Improvement Programme	15
HRD programmes	54
Orientation programmes	9
Faculty exchange programme	4
Staff training conducted by the university	33
Staff training conducted by other institutions	45
Summer / Winter schools, workshops, etc.	142
Others	64

2.14 Details of Administrative and Technical Staff

Category	Number of Permanent Empoloyees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	123	15	15	-
Technical Staff	87	04	04	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- A research committee consisting of representatives from every department functions in the college. This committee meets periodically and discusses the various schemes and scrutinizes the proposals suitable for each scheme
- All faculty are encouraged to present their innovative ideas, file patents, publish research papers in journals / conferences and the team helps and guides them in this initiative
- Faculty involved in funded research projects are lauded with appreciation and cash awards

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	04	15	06	35
Outlay in rupees (in lakhs)	60.70	555.39	171.67	1409.95

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	04	02	07
Outlay in rupees (in lakhs)	3.86	6.89	4.19	37.17

3.4 Details on research publications

	International	National	Others
Peer Reviewed Journals	166	-	-
Non-Peer Reviewed Journals	95	-	-
e-Journals	66	-	-
Conference proceedings	102	103	-

3.5 Details on Impact factor of publications:

Range | 0.1-8.2 | Average | 4 | h-index | 12 | Nos. in SCOPUS | 102

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 in rupees (in lakhs)	Received in rupees (in lakhs)
Major projects	3 Years	AICTE – RPS	9.41	9.27
	3 Years	AICTE – RPS	19.41	19.12
	3 Years	DST – Nano Mission	46.05	33.26
	3 Years	DST – TIDE	76.87	52.33
	2 Years	AICTE - MODROBS	17.06	13.65
	2 Years	AICTE - MODROBS	2.87	2.30
Minor projects	1 Year	National Commission for Women	3.99	1.59
	1 Year	Southern Railway	0.50	0
	1 Year	IEI- R&D Grant	0.20	0.20
Interdisciplinary projects	-	-	-	-
Industry sponsored projects	1 Year	JSW Steel Pvt Ltd	5.00	5.00
	1 Year	English India Clay Limited	2.00	2.00
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	1 Year	Hackthon Total of 8 Batch with 6 Students/batch	-	-
Any other(specify)	-	-	-	-
		Total	183.36	138.72

3.7 No. of books published   i) with ISBN No. [12]   Chapters in edited Books [22]

ii) without ISBN No. [11]

3.8 No. of university departments receiving funds from

UGC-SAP [-]   CAS [-]   DST-Scheme/funds [02]

DPE [-]   DBT Scheme/funds [-]

3.9 For colleges Scheme (specify)

Autonomy | Yes
CPE | -
DBT Star | -
INSPIRE | -
CE | -
Any Other | -

3.10 Revenue generated through consultancy | 102.85 Lakhs

3.11 No. of conferences organized by the institution

Level	International	National	State	University	College
Number	02	05	-	-	-
Sponsoring agencies	AICTE & SCT	IEI,VI Solutions, ICI & SCT	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons | 28

3.13 No. of collaborations   International | 03   National | 02   Any other | 04

3.14 No. of linkages created during this year | 08

3.15 Total budget for research for current year in lakhs:

From funding agency | 125 Lakhs   From Management of University/College | 135 Lakhs

Total | 260 Lakhs

3.16 No. of patents received this year

Type of patent		Number
National	Applied	02
	Granted	-
International	Applied	01
	Granted	-
Commercialised	Applied	01
	Granted	-

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
17	03	13	01	-	-	-

3.18 No. of faculty guiding Ph. D. scholars and no.of scholars registered under them

51

43

3.19 No. of Ph.D. awarded by faculty from the institution | 23

16

3.20 No. of research scholars receiving fellowships (newly enrolled + existing ones)

JRF [06]   SRF [-]   Project fellows [05]   Any other [15]

3.21 No. of students participated in NSS events:

University level [60]   State level [-]

National level [-]   International level [-]

3.22 No. of students participated in NCC events:

University level [100]   State level [-]

National level [-]   International level [-]

3.23 No. of awards won by the NSS unit:

University level [02]   State level [-]

National level [-]   International level [-]

3.24 No. of awards won by the NCC unit:

University level [-]   State level [-]

National level [-]   International level [-]

3.25 No. of extension activities organized

University forum [-]   College forum [-]

NCC [7]   NSS [38]   Any other [09]

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

Sl. No	Name of the Programme	No. of Candidates	Sponsored by	Project Cost - Rs.	Status of the programme
1	Tailor	25	M/s SRC Ltd	165000.00	
2	Surface Ornamentation Techniques	25	M/s SRC Ltd	145000.00	
3	Domestic Housekeeping	25	M/s SRC Ltd	190000.00	Completed
4	Fashion Design Technology	20	TNSDC	800800.00	
5	DTP & Print Publishing Assistant	20	TNSDC	330000.00	
6	Solar Electric System	20	TNSDC	385000.00	

	Installer and Service Provider				
7	Multi Skilled Garment Making	30	M/s SAIL, SSP	318600.00	
8	Domestic Data Entry Operator	20	AICTE	280000.00	
9	Craft work(Aari & Zardi)	20	M/s SRC Ltd	150000.00	
10	Sewing Machine Operator	20	AICTE	267300.00	
11	Field Technician Air Conditioner	20	AICTE	291600.00	Progressing
12	Assistant Electrician	20	AICTE	324000.00	
13	Office Automation & Front Office Assistant	20	M/s SRC Ltd	150000.00	Completed
14	Plumber	20	TNSDC	385000.00	
15	CNC Turning	79	Self-supporting	1,18,500.00	Completed
16	Sales Person (Retail) Batch I	30	TNSDC	1,48,500.00	Progressing
17	Sales Person (Retail) Batch II	25	TNSDC	1,36,125.00	
	Total	439		41,82,300.00	

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 (m^2)	59509	-	Chockalingam Trust	59509
Class rooms	125	-	Chockalingam Trust	125
Laboratories	85	-	Chockalingam Trust	85
Seminar Halls	12	-	Chockalingam Trust	12
No. of important equipments purchased (≥ 1-0 lakh) during the current year		16	-	
Value of the equipment purchased during the year (Rs. in Lakhs)	(430 users)	125.32 Lakhs	Chockalingam Trust	
Value of the equipment purchased during the year (Rs. in Lakhs)	4	66.72 Lakhs	DST	
Value of the equipment purchased during the year (Rs. in Lakhs)	-	2.28 Lakhs	ISRO	
Value of the equipment purchased during the year (Rs. in Lakhs)	-	0.50 Lakhs	UGC	
Others				

Equipment Purchased details for the Academic Year 2017-18

S.No.	Department	2017-18	
		Equipment more than Rs.1 lakh (in lakhs)	Equipment purchased amount (in lakhs)
1	Civil Engineering	-	1.94
2	Mechanical Engineering	-	0.50
3	Electrical and Electronics Engineering	2	5.58
4	Electronics Communication Engineering	-	4.06
5	Computer Science Engineering, Information Technology, MCA	-	30.68
6	Science & Humanities (General Engineering – Engg Practice Laboratory - ECE)	-	0.49

7	Software – Library	-	1.57
8	Software – CSE	3	30.47
9	R & D Software- Civil	2	15.18
10	R & D Equipments SERB-EEE	1	11.44
11	R & D Equipments SonaPERT-EEE	3	18.58
12	R & D Equipment – FT (IEI grant)	-	1.18
13	R & D Equipments – Sona Nano- Science	-	0.46
14	R & D Equipments –CSE – Modrobs – CSE	1	2.30
15	R & D Equipments –ISRO – Rajasrisen	-	2.28
16	R & D Equipments –DST-FIST-EEE	2	27.50
17	R & D Equipments – DST-SEED-WS- CSE	-	0.75
18	R & D Equipments – DST-SEED-WTP- CSE	2	37.28
19	R & D Equipments – DST- FT	-	1.19
20	R & D Equipments –SonaPAN	-	2.85
21	R & D Equipments – UGC- MCA Padma	-	0.50
Total Purchased Amount Rs in Lakhs			194.82

4.2 Computerization of administration and library

Administration

- Student Information System
- Staff Information System
- Examination Process Control System
    - Process implementation for Assessment of Course outcome
    - Result processing
    - Consolidated mark sheet design and development suitable to new model proposed
    - Examiner claim forms generation for supplementary examinations
- Fees Follow-up System (College & Hostel)
- Admission Process Management System
- Staff appraisal process automation
- SMS Based Solutions
- Staff Feedback Process Automation

- Online Training & Assessment Software (for placement)
- Stock Maintenance Software for CMG Group
- Dispatch Information System
- Web Portals – (Sona Times, Sona Circulars, Technical Events, Technical Portal, ISO Manuals, News Track)
- Online Hall Reservation System
- Blood Donation Information System
- Wi-Fi Registration Information System
- Third Party Integration Solutions
- Leave Management System
- Data input to Website updating of Performance Reports
- Data input to administration, AICTE section and adhoc requirements.
- Graphical presentation for the reports in all the modules
- Online Complaint – Maintenance Process
- Automatic Question Paper Setting
- Process implementation for online fee collection and Tally interface
- Fee collection through MIS for first year with new receipt format
- Process updating of GST in general receipts and Tally interface
- Online fee collection for Hostel & Examinations
- Hostel students Bio-data form design and access at Hostel premise
- First year admission data capture
- MIS version update suitable to 64 bit machines all through college
- NBA report generation for Thiagarajar Polytechnic College
- AMC services to Thiagarajar Polytechnic College
- ISO new process & quality manual updating for external ISO audit held last week
- Master updates in Bus fee collection
- Interlinking of bio-matric system with Tally for pay roll process.

Library

- Central Library is equipped with latest reading resources with both print and electronic forms.
- The Library is computerized using Autolib software
- All the reading resources are Accessioned, classified and barcoded.
- Entry and Exit of faculty members and students are recorded in system.
- Using e-resources like online Journals ad e-Books.
- DELNET services
- Biometric systems for faculty attendance.

4.3 Library services:

	Existing 2016-17		Newly Added 2017-18		Total	
	No.	Value	No.	Value	No.	Value
Text Books	84147	30161979	1536	840908	85683	31002887
Reference Books	3314	4496100	107	207626	3421	4703726
e-Books	8	7200	-	-	8	7200
Journals	207	781559	195	744869	195	744869
e-Journals	3	1767303	3	1823553	3	1823553
Digital Database (NPTEL)	3675	-	-	-	3675	-
CD & Video	2447	693838	32	-	2479	693838
Others (specify)	DELNET	11500	DELNET	11500	DELNET	11500

4.4 Technology Up-gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1450	18	50 Mbps	3	-	-	All Departments	-
Added	350	2	50 Mbps	-`	-	-	All Departments	-
Total	1800	20	100 Mbps	3	-	-	All Departments	-

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

Our college has introduced the following Learning Management System to improve the teaching and learning process.

- **Moodle**

   Modular Object-Oriented Dynamic Learning Environment. Moodle is an open source web application used to create interactive online learning platform. Moodle is an alternative to proprietary commercial online learning solutions and is distributed free under open source licensing. It is designed to provide educators, administrators and learners with a single robust, secure and integrated system to create personalized learning environments. SONA is using MOODLE for various teaching learning activities like conducting online assessments, enabling content delivery like video lectures etc. Student and faculty members of institution can access the MOODLE services from anywhere in the world or from inside the campus by using the URL: http://182.73.107.190/moodle.

Number of MOODLE training program	03

- **Blackboard**

  SONA is the *first engineering institution in India* which has introduced the Blackboard Learning software in the teaching learning process. *Blackboard Learn 9.1* is the proprietary software that provides virtual Learning Environment.

  Blackboard provides access to learning materials and activities online (Assignments, Test. Survey, Collaboration etc.). Student and faculty members of institution can access the Blackboard services from any outside location by using a URL: https://sonalearn.org or use http://172.2.2 within LAN.

  All that is needed to access Blackboard from outside the campus is a computer with internet access and trusted certificate installed in it.

All the faculties and students are given <u>training on the following topics</u> by the respective coordinators of LMS.

- Content Creation and Sharing
- Creation of Assignment with Rubrics and Evaluation
- Evaluating the Assignment with Plagiarism check
- Creation of Online Test
- Collaboration Tools

Blackboard includes tools for:

- Organizing and publishing course materials
- Communication between tutors and students
- Collaborative working, including discussion forums, wikis, blogs and shared group areas
- Plagiarism checking on the submitted assignment
- In Built Math Editor to support the writing of mathematical equations
- Online assessments with automatic marking facilities
- Course administration such as calendars and task lists
- Tracking students' online activities and course work submissions

The above tools of Blackboard facilitate the virtual learning environment. Faculty members can effectively deliver the course content to the students.

Number of Blackboard training program	09

- **ICT Academy**

  ICT Academy is an initiative of the Government of India in collaboration with the state Governments and Industries. ICT Academy is a not-for-profit society, the first of its kind pioneer venture under the Public-Private-Partnership (PPP) model that endeavors to train the higher education teachers and students thereby exercises on developing the next generation teachers and industry ready students.

No. of faculty attended ICT Academy workshops both in and out the college	03
No. of ICT workshops conducted	-

- **MOOC**

We staff community consistently register & attend the MOOC courses. Massive Open Online Courses (MOOCs) is a online course content which is available for all. Some of the online line course providers are edX, NPTEL, Course era, Saylor academy etc.

Through Infosys campus connect programme, IBM Bluemix, CISCO certification programme our staff members gain more knowledge and exposure in upcoming technologies too.

No. of faculty attended MOOC Certification courses	131

- **Lecture Capture System**

Our college has introduced the Lecture capture system as one of the teaching learning platform. Lecture Capture systems is a Comprehensive Video-Based Learning Platform for students and faculties.

This lecture capture system offers easy, seamless integration to help faculties extend learning experiences outside of the class room and provide relevant content to student.

Students and faculty members of institution can access the lectures from anywhere by using a public IP http://182.73.107.187/impartus/login.aspx or use 172.21.1.2/impartus/login.aspx within college campus.

 All the faculties are given training on the following aspects of lecture capture system by Impartus Team

- Training on lecture Capture Systems application software in mobile phone.

- Usage of audio and video device while delivering in class room.

- Editing of videos and sharing it with student.

- Discussion forum among faculty and students.

Number of lecture capture system training program	03

4.6   Amount spent on maintenance in Lakhs

1)   ICT

79,05,999

Item Description	Quantity	Amount (in rupees)
Lecture Capture System	50	79,05,999

2) Campus Infrastructure and Facilities + Equipment   1,93,43,193

CONSUMBALES & MAINTENANCE EXPENSES(APRIL 2017- MARCH 2018)

S. No.	Item Description	Amount
1.	Building Maintenance	9271926
2.	Lab Maintenance - Chemistry	41302
3.	Lab Maintenance – Civil	116321
4.	Lab Maintenance - Electrical	250096
5.	Lab Maintenance – ECE	451068
6.	Lab Maintenance – Engineering Practice (Mech / Civil)	66131
7.	Lab Maintenance – Fashion Technology	170857
8.	Lab Maintenance - Mechanical	169973
9.	Lab Maintenance - Physics	19276
10.	Lab Maintenance – CSE, IT, MCA	1651302
11.	Networking	1608568
12.	Teaching Aid Maintenance	450537
13.	Air Conditioner Maintenance	659565
14.	Audio and Video Maintenance	11635
15.	Furniture Maintenance	486900
16.	Garden Maintenance	784729
17.	Electrical Maintenance	1326399
18.	Vehicle Maintenance	1272155
19.	Office Maintenance	6783
20.	Public Address System Maintenance	289941
21.	Water treatment Plant Maintenance	87917
22.	Genset Maintenance	149812
	Total Rs.	1,93,43,193

Total   **2,72,49,192**

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Orientation program is conducted for the first year student at the beginning of every academic year about the various Student Support Services available in the college.
- Student support services are also published in the college website and prospectus. All enhancements are notified to the students via the notice boards and intranet also.
- Class committee meetings are conducted regularly to address the academic or other classroom activities of the students.
- Events were conducted to bring awareness about the student support services.

5.2 Efforts made by the institution for tracking the progression

- Student Performance is monitored using the Management Information system (MIS).
- Student progress and attendance report is regularly communicated to their parents via   SMS.
- The College has a mentoring system in place. Academic and personal mentoring is made available to the students at multiple levels. Besides the course teachers, each class has a class counsellor and each student has a faculty advisor, which helps to keep track of progress of the student in their academics.
- Each student is required to meet her faculty advisor, on a one-to-one basis,   every week. These are out-of-classroom personal meetings in which the faculty advisor   gets to know the student personally and keeps track of her academic performance, attendance record, course registration, and fulfilment of course requirements among other things, offering guidance where necessary on matters pertaining to academics.
- Student learning skill can be assessed through objective type tests through moodle and black board software.
- Bucketing of students is done and special classes are conducted for slow learners.

5.3 (a) Total number of students	UG	PG	PhD	Others
	3949	684		
(b) No. of students from other states	46			
(c) No. of students from other countries	63			
Men students	2684			
Women students	1949			

Last Year (2016-2017)						This Year(2017-2018)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
356	492	13	3795	12	4656	358	476	14	3785	6	4639

Demand ratio: 1: 8 Drop out: 19

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

- Swadesh –II A comprehensive training programme for civil services and other competitive exam is organised by the Department of Placement Training for Sona students.
- Each department have special GATE coaching, for those students who opt for Higher Education.

No. of student beneficiaries   426

5.5 No. of students qualified in these examinations

NET [NA] SET/SLET [NA] GATE [2] CAT [nil]

IAS/IPS [NI] State PSC [1] UPSC [NI] Others [44]

5.6 Details of student counselling and career guidance

A Student Counselling Centre is established and a trained psychologist was appointed to counsel the students who have personal problems.

The main objective of Student Counselling Centre is

- To help the students knows himself better – his interests, abilities, aptitudes and opportunities.
- To help the students in exploring, understating and resolving their issues by developing the skills in them.
- To help in the process of evolution and empowerment of the students.
- To encourage and develop special abilities and right attitudes.
- To help students in their personal, academic and social development.

College has a mentoring system. Around 20 students are attached to each faculty and the faculty will provide focused counselling and guidance by interacting with the students at regular intervals.

Exclusive career guidance classes are organized by the training and placement cell every year on regular basis.

No. of students benefitted   1007

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
285	806	450	304

5.8 Details of gender sensitisation programmes

1. The election for the office bearers was conducted for the student nominees and following students were selected for the academic year 2017 – 2018.

   Chairperson   :   Ms.A.S.Niveditha
                               IV year, B.E – Mechanical Engineering
   Secretary   :   Ms.R.Kiruba
                               III Year, B.E - Electronics and Communication
                               Engineering
   Joint secretary   :   Ms. A.Sivappriya
                               II year, B.Tech – Information Technology

2. The Women Empowerment Committee inaugural function for the academic year 2017- 2018 was conducted on 25.09.2017 .The chief guest for the function was Dr.Jayanthasri Balakrishnan, M.A, M.Phil., Ph.D (English)., M.Ed., M.A., Ph.D(Tamil) , former professor of English in PSG college of Arts and Science, Coimbatore and Public speaker).A motivation speech was delivered by the chief guest under the topic "Values that women stand for to build a strong society: Need of the hour" for second year UG girl students.

   - Prof.Dr.Jayanthasri Balakrishnan through her inspirational and thought provoking speech kindled the minds of all the students and the faculty members. She spoke about the importance of our culture, family values and the self respect that a woman should possess and also about the respect that a woman should give for the society, family members and

others. She spoke about the significance of parent's role in growing their children to face the society with more moral and cultural values. She also asked all the members to take a silent oath of "Say no gossip about any growing women". She concluded the speech by highlighting the importance of parents and teachers in everyone's life. The entire speech was very meaningful.

3. A series of special events were conducted for the girl students of Sona college of technology as "Ms .Geek 2K18" from 18.1.2018.The details of the events are as follows

DATE	EVENT NAME	DESCRIPTION
18.01.18	ADZAP	Marketing the given technical product in commercial and fascinating manner
18.01.18	VISION	Showcasing the artistic talent by drawing, painting and craft modeling
19.01.18	SHE HACKS	Debugging the given code using C and C++
19.01.18	FACE OFF	Debate in the given topic
20.01.18	LA-FEMME	Mehandi , Nail Art, Hair styling ,Cookery
24.01.18	JAM	Speaking in the given topic for one minute
24.01.18	Ms . FUNNY BONES	Stand up comedy on stage
01.02.l8	RJ AND VJ	Radio and video jockey
10.2.18	LILT AND VOCAL QUEST	Solo and group singing and dancing
13.3.18	Paper presentation	Presentation on women safety
13.3.18	Multimedia presentation	Audio and video presentation on women safety

4. Logo Design contest for Women Empowerment committee was conducted on 21-2-2018

5. Sona Women Empowerment committee in coordination with Jewel one conducted a Jewelry design and slogan contest for women on the eve of Women's day on 8-3-2018.

6. The Women Empowerment Committee of Sona College of Technology & Women in Development of Thiyagarajar Polytechnic College, in association with the Institution of Engineers India (IEI) ,Salem Local centre, salem celebrated the International women's day 2018 on 16.03.2018 at 10 a.m in Sona auditorium .The chief guest for the function is Smt. Rohini Bhajibhakare, IAS, District Collector, Salem & Guest of Honour is Dr. R. Aruna Devaraj, Herbal Scientist, Director & Founder - Natural Resource Management Trust, Theni.

7. To commemorate the International Women's Day, CII Indian Women Network (IWN) Tamil Nadu in association with Sona College of Technology organised 'Conclave on Women@360' with the theme 'PRESS for PROGRESS' on Wednesday, 28th March 2018 from 10:00a.m to 12:30 p.m at PG Auditorium, Sona College of Technology, Salem. The conclave comprises of address by prominent leaders from different fields who would share their thoughts on What Women Empowerment means to them. There would be life experience sharing and also inspiring message on how they have pressed forth towards progress. The speakers for the Conclave are:

- Dr K Banumathi, Director – PSG OHCMS & PSG Vishnugranthi
- Mr C Devarajan, Managing Director – URC Construction (P) Ltd
- Ms Fathima Bathool Maluk, CEO & Secretary – Master Group of Institutions & Founder – Orchids Services
- Dr D Ramesh Kumar, Chairman – CII Salem & Managing Director – Salem Microbes Pvt Ltd
- Ms Ranjana Singhal, Partner – The Terra (That's Y Food, On the Go) & Managing Director – Café Totaram Pvt. Ltd
- Ms Sangeetha Flora, Centre Head – First American India, Salem
- Ms AVR Soumya Sanjjay, Director – AVR Swarnamahal Jewelry Pvt Ltd

5.9 Students Activities

5.9.1 No. of students participated in sports, games and other events

State/ university level	60	National level	5	International level	nil

No. of students participated in cultural events

State/ university level	20	National level	nil	International level	nil

5.9.2 No. of medals /awards won by students in sports, games and other events

Sports: State/ university level	44	National level	1	International level	nil

Cultural: State/university level	9	National level	nil	International level	nil

5.10 Scholarships and Financial Support

	Number of students	Amount (in rupees)
Financial support from Institution	427	25,93,000
Financial support from Government	1497	2,56,84,805
Financial support from other sources	65	10,90,000
Number of students who received International scholarships	25	50,05,000

5.11   Student Initiatives

Fairs: State/university level | 3 | National level | 3 | International level | nil |

Exhibition: State/ university level | 5 | National level | nil | International level | nil |

5.12   No. of social initiatives by students | 62 |

5.13 Major grievances of students (if any) redressed:

- The institution has Grievances redressal committee formed with professor as chairperson and 5 senior faculty members in the team. The students can register their complaints and grievances in the form given in the website.

- In addition to this a complaint cum grievances cell is also in its place having the members of faculty and deputy warden of the hostel. Every week committees receive the grievances if any from the students and forward them to the respective departments for redressal.

- Students can also represent their problems through suggestion box or in class committee meeting, mentor meeting, hostel meeting, Anti Ragging Committee and Disciplinary Committee. This ensures a better relationship with the stakeholders.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

To become an institute of great repute, in the fields of science, applied science, engineering, technology and management studies, by offering a full range of programmes of global standard to foster research and to transform the students into globally competent personalities.

Mission

- To offer graduate, post-graduate, doctoral and other value-added programmes beneficial for the students

- To establish state-of-the-art facilities and resources required to achieve excellence in teaching-learning and supplementary processes

- To provide faculty and staff with the required qualification and competence and to provide opportunity to upgrade their knowledge and skills

- To motivate the students to pursue higher education, appear for competitive exams, and other value added programmes for their holistic development

- To provide opportunity to the students and bring out their inherent talent

- To establish centres of excellence in the emerging areas of research

- To have regular interaction with the industries in the area of R & D and offer consultancy, training and testing services

- To offer continuing education and non-formal vocational education programmes that are beneficial to the society

6.2 Does the Institution have a Management Information System?

The institution adopts a full-fledged Management Information System (MIS) which has been developed completely in-house and successfully facilitates a systemised and channelized information flow enabling easy decision making for effective administration. The MIS is widely implemented in the administration of the institution facilitating easy retrieval of the information regarding academics, examination, finance and Human Resource (HR) Department of the institution.

The academic processes like the student attendance, internal marks, conduct of end semester examination and publication of the results are computerised. An extensively computerised finance section supports activities like admission, fees collection and accounting. The HR department records the details of the faculty like the performance appraisal, feedback, faculty attendance, pay roll management, etc. with the support of the MIS. User friendly software for the purpose of library management is in place facilitating the maintenance of records relating to the availability of books, books issue/return, etc.

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

6.3.1   Curriculum Development

A regular assessment of the curriculum is done through the feedback from the students, alumni, subject experts, employers and experts from the industry. The suggestions received from them are reviewed by the Department Consultative Committee. Relevant suggestions are considered for inclusion in the curriculum. The curriculum and syllabi are revised from time to time. In the process of developing the curriculum, care is taken to ensure adherence to norms and guidelines prescribed by the Anna University, Chennai and the UGC.

A framework of the curriculum is developed by the departments for their programmes. It includes a list of courses, course outcomes and evaluation pattern with weightages for the continuous internal assessment and semester-end assessment. The restructured curriculum is reviewed in the discipline-wise Boards of Studies and the recommendations are tabled at the Academic Council meeting for approval.

6.3.2 Teaching and Learning

All the faculty of the institution are trained in the contemporary and innovative methods of teaching and encouraged to attend various programmes on pedagogy. The widely used teaching and learning methods at the institution are lecture, group discussion, quiz, demonstration, drill and practice, case studies, tutorials, team teaching, cooperative learning, seminar, internship, projects, surveys, computer lab, simulation, field and factory visits, games and role play.

The ICT enabled technologies like Moodle, e-journals, databases like J/ gate; ProQuest, CMIE, etc. are available for the students for efficient learning. Lecture Capturing System (LCS), Moodle and Blackboard Learning management system are effectively implemented to enhance the teaching- learning process.

Students are encouraged to take MOOC and online courses offered by reputed institutes. In addition to classroom learning, aids like NPTEL, EDUSAT, Indo-US, A –VIEW, YouTube, Khan Academy, e-journals, etc. are also available for the students to facilitate learning.

6.3.3 Examination and Evaluation

- The Controller of Examination organises the Continuous Internal Evaluation Tests (CIE), the Semester-End Examination (SEE) and the evaluation of the answer scripts.
- The question papers for CIE are set by the internal faculty.
- The question papers for the SEE are set by the internal and the external faculty.
- The question papers of the CIE and SEE are scrutinised by the Head / senior faculty member of the department.
- Steps are taken to ensure that the question papers conform to the standards of Bloom's Taxonomy.
- The college standard is that 50% of questions for tests and exams in the undergraduate programmes should encourage the use of higher-order thinking skills.
- The standard of question papers for the postgraduate programmes is that 60% of the questions should conform to higher-order thinking skills.
- A system of central valuation is adopted for the theory courses involving eighty percent external and twenty percent internal examiners.
- For the practical courses, the evaluation is done by a panel of external and internal examiners.

- The results of the semester-end examinations are published within 30 days from the date of completion of the examinations.
- The college has in place the system of providing photocopies of answer scripts and organising revaluation for the benefit of students.
- Supplementary examinations are conducted for the even semester examinations only.

6.3.4   Research and Development

- The institution provides extensive opportunities to the faculty and students for research and development. It is committed to research in the areas of science, engineering and technology and has nurtured more than 30 plus centres of excellence exclusively for research and development.
- The vibrant research and development activity in the college has resulted in receiving grants from organisations like DST, AICTE, UGC, DST-WTP, DST-FIST, ISRO, NIOT, etc. and also a few industries.
- The institute has been recognised as SIRO laboratory organization for doing industrial research by the Government of India.
- The centres of excellence focus primarily on applied research, product development, industrial training, development of multimedia resources and publication. The centres are equipped with advanced equipment and technology.
- The Department of Management Studies publishes a quarterly journal, "Sona Global Management Review" (ISSN 0973 9947), an international double-blind peer-reviewed journal listed in Ebsco and Ulrich directories from 2006.
- Faculty are primarily involved in research projects that are beneficial to the society.

6.3.5 Library, ICT and Physical Infrastructure / Instrumentation

Library

- The central library of the college is a repository of a vast number of learning resources including textbooks, reference books, national and international journals, digital resources, online journals, etc., all of which are enriched every year and software for tracking resource availability and an automated system for book/journal transactions. Additionally, there are departmental libraries to provide easy and quick access of resources to students.

- The library has also established a special niche called "Sona-LIKE" (Library for Industry, Knowledge and Education) where resources and informative brochures, newsletters, write-ups and CDs on leading companies are available for students in order to enhance their placement and career focus.
- The Sona Students' Speakers' Forum (SSSF) has been constituted with the aim of making students to become good speakers with ABC –A: Accuracy, B: Brevity, C: Clarity. The programs of Speakers' Program will also include, quizzes, solving puzzles and riddles, increasing vocabulary, Lateral thinking, among others.

ICT:
- There are adequate ICT facilities in the institution and well established policies for their deployment and maintenance.
- Every student of first year brings his/her laptop in order to take up computer based online test.
- Wi-Fi facilities and broad band internet facilities in the premises of the college and hostel are provided thereby ensuring free access to current industrial and technological trends.
- The institution deploys and employs ICTs for a range of activities like lecture capture system in every department.
- Keeping pace with the rapid advancements in technology and to benefit the students, the college has set up a portable/mounted LCD projector in all classrooms.
- All the computer labs, multimedia language lab and science labs provide opportunities for hands-on training in ICT modules.

Physical Infrastructure / Instrumentation:

- The Sigma block (GREEN Building) which is rated five star by GRIHA is one of the uniqueness of the infrastructure.
- Adequate number of seminar halls and conference halls with air-conditioners and audio-visual facilities, video-conferencing facility are available.
- All the computer labs are well equipped that fulfils the academic and research needs.
- An auditorium, amphitheatre, central library, department libraries, guest rooms, medical centre with an ambulance , sports centre, yoga centre, DTP centre, cafeteria, coffee-day kiosks, ATMs, adequate vehicle-parking space for students and staff are functioning effectively.

- CCTV cameras are installed in strategic locations on the campus. Totally 242 CCTVs with 64 channel Recorder-4 numbers and 16 channel Recorder-4 numbers have been installed.
- Adequate numbers of fire extinguishers at vantage points are kept and the staff and students are trained to handle it.

6.3.6   Human Resource Management

The heads of the departments communicate a requisition to the management through the principal and Human Resource Department (HRD) of the institution as and when vacancies arise in the department. The HRD advertises and follows a systematic procedure in recruiting teaching and non-teaching staff. Orientation and training programmes are organised periodically for the recruits. Faculty development programmes, workshops, conferences, industrial visits, seminars, etc. are organized and the faculty are encouraged to participate in similar programmes organised by other institutions, industries, etc. The faculty are motivated to be a part of professional bodies like the ISTE, CSI, CII, MMA, NHRD, etc.

6.3.7   Faculty and Staff Recruitment

The steps involved in recruiting staff for the college are as follows:

Step 1: Recruitment authorisation duly approved by the principal and chairman

Step 2: Sourcing suitable candidates from various databases and other sources

Step 3: Pre screening and interview carried out by the HRD and forwarded to the department head for further shortlisting

Step 4: Interview process is organised for the shortlisted candidates by the HRD. A panel of experts conducts the interview.

Step 5: Final approval is given by the chairman and a job is offered.

A new employee will be on probation for a period of one year from the date of joining.

6.3.8   Industry Interaction / Collaboration

- Signing of MOUs with industries for research projects, consultancy, placement, internship and interactive sessions like seminars, webinars and workshops take place.
- Mutually-beneficial activities(based on the MOUs) are organised in every department for every semester
- Total placement offers issued to students during this academic year is 742.

6.3.9   Admission of Students

Selection Procedure:

   A selection committee constituted by the college management and the principal as per the guidelines of the institution will select the candidates. The selection is purely provisional and always subject to the confirmation from Anna University / Directorate of Technical Education, Chennai. The selection committee will abide by the following specific norms and guidelines for selecting candidates for admission to various programmes offered by the institution:

   Dr.S.R.R. Senthilkumar, Principal, Chairman –Admissions

   Mr.Nagappan, Admissions In-charge

Mode of selection:

BE/BTech Degree Programme - First Year
- Based on the cut -off marks obtained in the higher secondary examination.
  Maximum Cut off mark = 200 (100 for Mathematics and 100 for Physics + Chemistry)

BE/BTech Degree Programme - Direct Second Year Lateral Entry
- Based on the percentage of marks obtained in the diploma examination.

ME/MTech Degree Programme
- Based on the score obtained in the examinations like TANCET / CET / GATE which are conducted by the Anna University and Association of Managements of Anna University Affiliated Colleges, Coimbatore

Master of Business Administration (MBA) Degree
- Based on the score obtained in the examinations like MAT / TANCET / CET / CMAT which are conducted by the Anna University and Association of Managements of Anna University Affiliated Colleges, Coimbatore, and AICTE

Master of Computer Applications (MCA) Degree and Lateral Entry
- Based on the score obtained in the examination like TANCET / CET that are conducted by the Anna University and Association of Managements of Anna University Affiliated Colleges, Coimbatore.

6.4 Welfare Schemes for

Teaching staff	• Contribution to provident fund • Contribution towards medical insurance • Maternity leave • Medical leave • Advance to meet emergency expenditure • Medical centre • Gratuity • Personal accident insurance • Registration fee, TA and DA for attending conferences, workshop..etc.
Non-Teaching staff	• Uniforms for support staff • Financial aid for the education of the ward of support staff • Festival Bonus • Contribution to ESI • Fee concessions for children of administrative and support staff • Medical centre facility • Gratuity • Personal accident insurance • Salary advance. • Registration fee, TA and DA for attending programs

Students	• Management Scholarship is given each year for the following categories:
	   ➢ Sports scholarship
	   ➢ Merit cum means scholarship
	   ➢ Merit scholarship
	   ➢ Special scholarship
	• Financial support for:
	   ➢ Student innovative projects
	   ➢ Student competition
	   ➢ Attending seminar and conferences
	   ➢ Appreciation prizes for meritorious students
	• Free accommodation and food in the hostel for the needy
	• 24 hours medical support

	• Insurance for the students
	• Well equipped infrastructure for disabled students.
	• Transport subsidies for the needy
	• Psychological counselling
	• Yoga counselling for mental wellbeing

6.5 Total Corpus Fund Generated

1141.38 lakhs

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	Yes	Professors from reputed colleges	Yes	Sona QMS
Administrative	Yes	Astral	Yes	Sona QMS

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

For UG Programmes   Yes

For PG Programmes   Yes

6.9 What efforts are made by the University/ autonomous college for examination reforms?

The Continuous Internal Evaluation (CIE) marks (internal marks) for all the courses of all the semesters are displayed with the endorsement by the students after clarifying their doubts. Parents are informed of the marks through SMS.

The college has also initiated online Moodle tests for students to stimulate and develop their thinking capability. It is also envisaged that the usage of computers by students will improve because of the conduct of MOODLE test.

After the completion of every CIE test, the Principal and the Academic Director reviews the student performance in the presence of the Heads of the Departments and the Controller of Examinations. On the basis of the review, coaching classes, tutorial classes and weekend classes are organised to improve student performance. At the end of these sessions, class tests are conducted to gauge the improvement in student learning.

The CIE constitutes 50% of the marks meant for evaluation of student learning. Periodical test is conducted for every course so that students can improve and score high marks in the semester end examinations. Publication of result, revaluation and review and supplementary examinations are conducted periodically.

Mark sheets of the semester exams are printed and given to students within a span of one month after the announcements of the results. Course works for PhD scholars are also conducted. Other examination processes are carried out by Anna University, Chennai.

Online registration and fees collection were implemented for applying for revaluation and review cum photocopy. The entire operations of examinations are streamlined through Management Information System to speed up the process.

If students have any grievances with reference to evaluation, they can apply for revaluation and also obtain the photo copy of their answer script. If they are not satisfied with these results, they can apply for review and revaluation.

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

Anna University encourages the autonomous colleges to frame their own curriculum and regulations   according to the needs of the industry. The syllabus can be updated from time to time on the basis of industry needs.

The university also values the fact that the college, being autonomous, can organise its own examination and evaluation system as per the vision and needs of the institute.

A Senior Professor from Anna University acts as the university nominee for the Board of Studies Meetings in framing the curriculum and syllabus as well as in the result passing board meeting.

6.11 Activities and support from the Alumni Association

The Alumni Association elects its office bearers every year. At periodical intervals, the association arranges for meeting and supports the institution in the following aspects:

- The Alumni Association works to connect alumni and the present students through a variety of events and services.
- Guest lecturers by experienced alumni are organised for students.
- Skill-based training to students to meet industry needs is conducted.
- Every department has one alumnus as a member of Board of Studies (BOS) for curriculum design.
- Industrial visits for students are facilitated by the alumni.
- Alumni help the students in getting in-plant training opportunities for students in their companies
- Alumni have also helped the students to get non paid and paid internship in the companies where they work and also in the companies which they have started.
- The Sona Alumni Association founded in 2002 is continuously fostering to build a strong industry institutional tie up among the students and management.
- The mission of the association is to strengthen the bonds between alumni, students and the institute, to keep alumni informed and create a network enabling them to remain engaged with their alma mater and help shape its future through its programmes and services.
- Through Alumni Association, guest lectures are arranged for the students. GATE coaching is provided by alumni for interested students in the department. Also, mock interviews are conducted for the final year students through the association.
- Region-wise alumni chapters meet have been conducted in various regions like Bangalore, Chennai, Srilanka and Nepal.

6.12 Activities and support from the Parent – Teacher Association

- The goal of parents-teacher meeting is to bring together the interests of parents and the college to support student progression.
- Each department organizes parents-teachers meeting periodically and provides an opportunity for parents to discuss the academic performance of their wards with the faculty concerned.The departmental activities are presented to the parents.
- Students performance is informed periodically to the parents through web portal, short message service etc.

- The feedback on the curriculum is received from the parents and is considered when framing the curriculum.
- Faculty advisors take the responsibility of individual student's performance and periodically updates it to parents.

6.13 Development programmes for support staff

Every year the Human Resource Department organizes development programmes for the support staff. They are also encouraged to attend suitable training programmes and developmental programs at other institutions.

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

The institution has extensively implemented ecological practices in water and energy conservation and waste management on the campus.

- The institution has a green environment with several trees to maintain the ecology of the place
- An STP water treatment plant is established in the campus for the treatment of waste water
- The recycled water is used for the maintenance of the lawns and the gardens in the campus
- A green building is prevalent in the campus and it has been awarded a five-star rating by GRIHA
- RO plants supply potable water in the college
- Rain water harvesting is adopted in the college and hostel.
- Vermicomposting is done.
- Safe disposal of laboratory wastes is done.
- Solar energy is utilised effectively.
- Photo-voltaic systems implemented in the main building and security cabin.
- Solar dryer for food processing (WTP scheme) is situated in Kandarkula Manickam village.

CRITERION – VII

7. Innovations and Best Practices

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

A student feedback system is now available online so that an objective evaluation of the teacher and course is done. It is an unambiguous and constructive evaluation.
Research and development activities are updated by faculty as and when the event occurs. Students are provided with opportunities to learn through lecture sessions by experts in different fields through NPTEL.

Student–centric learning, to practice industry specific cases using MOODLE is adopted. Consistent assessment and adaptive tests are conducted using customized MOODLE. Laboratory courses are run through MOODLE virtual laboratories. 8000 user-licenses for Blackboard Learning Management Software are available on the campus for use by faculty and students. Lectures, assignments, videos, animation and quizzes are uploaded and posted on the Blackboard platform.

Lecture Capture Systems (LCS) are installed in one classroom per department. More installations are in the pipeline. The lecture sessions are posted (after necessary editing) on the LCS portal for viewing by students any number of times.

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

Plan of Action	Achievements
Conduct pedagogy and training programmes for teaching faculty	• Pedagogy Training Programme from 19.06.2017 to 21.06.2017 & From 20.06.2018 to 22.06.2018. • 77 faculty members benefited from this programme.
Incorporating the Choice Based Credit System	• Implemented the choice based credit system in Autonomous Regulations 2015 • Experts from IITs, Anna University and NITs were called and discussions were held with

	respect to introduction of CBCS system in the college. After elaborate deliberation it was decided to implement the CBCS system in the Regulation 2015.

Conduct a national conference, seminars and guest lectures	• National conference: 1
	    ISGSCRE '17
	    CSE/IT
	• Seminar - 5
	• Guest Lecture -13

Enhance the teaching-learning process	• Moodle, Lecture Capturing System (LCS) and Blackboard training was conducted for all new faculties. Almost 90% of faculty are trained in the above teaching learning process. • Issue of laptops inclusive of e-books forall first-year students • Discussions were held with regard to the teaching methodology for fast learners and slow learners. • Suggestions to introduce special interest courses were made and courses like music, yoga, painting etc, are being offered. • For better understanding of the subjects, some courses have been redesigned as laboratory based courses. • Online courses (NPTEL/Coursera/others) was taken up and completed by 110 faculty this year
Enhance the security system in the campus	• Surveillance cameras are already in place, but to enhance the security measures, an additional 100 cameras were installed this year at vantage points in the campus.
Internal Quality Auditors Training	• Conducted on 22nd and 23rd June 2017 & 16th and 19th January 2018 &

	25th and 26th June 2018.
	• Awareness cum training programme for Aauditors and ISO core team members on 26-04-2017.
Conduct academic audits	• Internal Audit: CIE answers scripts are audited by the senior faculty of the departments concerned. The audited reports are submitted by the departments to the office of COE after completion of each CIE. • External Audit: Question papers and answers scripts are scrutinized by experts from reputed educational institutions such as IIT, NIT etc. The report is sent to the departments.
Monitor student performance and counsel each student individually	• In addition to regular counselling of students, special counselling session alongwith parents were conducted for slow learners and poor performers in internal tests and exams. • Psychological counselling is conducted by a psychiatrist is addition to the above.
R&D activities	• Papers published : 18 • International conference : 20 • National conference : 19 • MoUs signed: 3 • Sponsored projects: 5 • Project funding: 148.55 Lakhs

Organise extra-curricular activities through NCC, NSS, YRC	• 28 programmes conducted overall:
	  NCC- 6
	  NSS- 16
	  YRC- 6
	• As part of the Swatchatha Seva initiatives of the government of India and AICTE, a

	system has been put in place to keep the campus clean.
Sports activities	• Won Zonal Level Overall Championship Second Runner Up with 240 points in the Anna University Sports Board Competitions, Chennai. • State Level – "Fencing" – runner • Boxing Women – silver medal • Power lifting –National level – 3rd price

7.3 Give two best practices of the institution

BEST PRACTICE - 1

1. Title of the Practice: Efficient Energy Utilization and Conservation

The Efficient Energy Utilization use and conservation is taken care by the department of EEE under the guidance of Dr. S. Padma, Certified Energy Auditor (BEE), Professor and Head, EEE. The opportunities for energy saving is done by energy audit with the consent of Principal and Management.

2. Objectives of the Practice

- To reduce the energy bill by energy efficient measures of the lighting, fans and electrical equipment.
- To utilize the renewable energy sources to the maximum extent.
- To promote the awareness on energy conservation to the students & staff and make them to do projects using renewable energy.

3. The Context

Sona Energy Audit and Conservation Team (SonaEnACT) is available in the campus. The team takes care of efficient energy utilization through proper maintenance of all electrical equipment, study for the lighting system and fans, Diesel Generator (DG) sets, the opportunities for installation of solar system. The staff and students are motivated to do research and projects with renewable energy.

4. The Practice

- Regular maintenance for transformers and B check for DG sets are done at right time.
- All CFLs and T5 lights are replaced with LEDs.
- Energy efficient fans are decided for purchase
- The installation of solar system is done in a phased manner
- Funded projects of students and staff

5. Evidence of Success

From the maintenance records, the performance of the electrical equipment is good. The purchases as of now for lighting system are LEDs and for fans energy efficient fans. The solar system now is 167 kW in the campus.

The projects and training done by the students:
- "1 kW solar-wind interconnected system" has won a best innovation project by ICTACT and funded.
- "Solar Insect Trapper" has got a funding from TNSCST
- "Energy Audit and conservation" projects have been done by both UG and PG students in the industries SAIL, JSW Ltd., and NXTRA Data, Bangalore.
- Students are undergoing online course on "Solar Installation" through iachaarya, Bangalore approved centre of MNRE.
- The technician course on "Solar Installation" has been approved by Tamilnadu Government.

The faculty members'contribution:
- Dr. S. Padma, Certified energy auditor, doing consultancy work in energy auditing with a team of faculties.
- Dr. S. Padma, Dr. G. Karthikeyan and Mr. M. Panneerselvam are the certified internal auditors for ISO 50001.
- Funding for one part of Women Technology Part (WTP) for Solar FoodProcessing.
- Dr M. Senthilkumar is doing DST funded project in Solar energy.

6. Problems Encountered and Resources Required

- All the buildings could not be used for installation of Solar systems.
- In automatic DG set, the units generated per litre are very less since less loads are connected during the night time.
- Students involvement in energy conservation need to be improved.

BEST PRACTICE - 2

1. Title of the practice: Yoga and Health management

At Sona College of Technology, Salem, Yoga educational activities is there since past 17 years in order to help the students, Staff and Public to enhance self-discipline, self-confident and heading under the guidance of professional Doctors (BNYS).

2. Objective of Practice:
- To enhance cognitive function and attentive mind fullness of the students and staffs,
- To promote academic, sports and social activates among the students,
- To support positive promotion of health, stress control and self-healing,
- To increase the capacity of students mind vibrant to face up interviews life's challenges.

3. The context:

Sona yoga and research centre at the campus has got its best infrastructure of highly specious, highly ventilated and surrounded with Eco friendly atmosphere. The yoga hall occupies nearly 100 students, for every student's yoga and other accessories are well equipped at the centres, a small library which holds yoga educational books at the centre. At special occasions like International yoga day, yoga contests, Sona's play ground is utilized where more 1000 students and participant to participates. Staff and students are motivated to do research and Projects Dr. R. Malathi, B.N.Y.S, head of yoga department takes care and leads the yoga programmes.

4. The practice:

> Yoga is included in the bridge course and in the induction programme of the first year students.

> Yoga is included in special interest courses, under open elective programme 1 credit is given BE and ME, 2 credits are given For MBA students.

> A regular yoga session for the students the morning hours between 6 to 7 AM is allotted.

> Separate sessions for boys and girls students.

> Regular sessions are taken for teaching and non-teaching staffs after college hours.

> Daily sessions are taken for the public at Sona Yoga centre.

> Various institutions are invited at Sona College of Technology to participate in "STRESS MANAGEMENT" workshops every year.

5. Evidence of success:

> Girl's students and female staffs with irregular menstrual cycle are getting cured.

> Students with hypothyroidism and obesity are getting positive results.

> Girl students' and female staffs with pre-menstrual and pre menopause syndromes are responding well with the practice of yoga.

> Students with poor cognitive function, and lack of concentration improved highly.

> Students' willpower and attention is observed high during campus interviews.

> Under DST project (Breast cancer) yoga is taught and beneficiary showed good result and are recorded.

> Under CSIR activities the beneficiary developed high willpower to face up life's challenges.

> Under sports activities students' flexibility has improved highly.

> With yoga practice our NSS and NCC student's services are much more taken.

> Since 4 years "International Yoga Day" is celebrated as a result our students are holding National level awards and certificates.

> ➢ Signed MOU with S-VYASA University (Yoga University), Bangalore and conducting certified courses.
> ➢ Sona College of Technology is India's prior most college to include yoga and health management under open electives with credits.

6. Problems encountered and resources required:

Most of the day's scholar students could not able to attend the morning sessions held between 6 to 7 AM daily. Students' involvement need to be improved and encouraged.

7.4 Contribution to environmental awareness / protection

1. Sona College of Technology received the prestigious GRIHA 5–Star rating from the Association for Development and Research of Sustainable Habitats (ADARSH), a society jointly founded by the Ministry of New and Renewable Energy (MNRE), Government of India and The Energy Resources Institute (TERI). The 5–Star rating is awarded to the Sona SIGMA BLOCK, in which several green features are incorporated like innovative energy and water efficiency measures, reducing the cooling demand of the building, reducing long term operating costs, etc.

2. Environment Conservation Initiatives
   - Use of renewable energy by installing additional capacity solar panels.
   - Dense plantation and landscaping on the campus
   - Hazardous waste managed safely
   - Installation of solar-energy windmill
   - Bio-gas plant installed in the hostel premises
   - Eco-friendly papers used for documentation
   - Researches focusing on preserving the environment
   - Segregation of waste at source.
   - Awareness to the staff and students on environment cleanliness.
   - Regular participation in Swatchatha Seva initiatives of the government of India and AICTE.

7.5 Whether environmental audit was conducted?   No   [✓]   Yes   [ ]

7.6. Any other relevant information the institution wishes to add.

STRENGTHS:

1. Out of a total 331 faculty there are 123 having Ph.D degrees.

2. Out of the rest, 80 staff are pursuing their Ph.D programmes.

3. Staff with Ph.D qualification are uniformly distributed in all the departments (with a minimum 37% of staff in each department)

4. Only Ph.Ds can apply for any vacancies that may arise.

5. Sona has 36 R&D centres and further centres are being added.

6. Sona is a FIST funded institute were interdisciplinary research is being undertaken.

7. The management fully supports and encourages all the R & D centres.

8. Regular visits by senior scientists and researchers from elite institutions and government R & D establishments are brought to the college for further improvement in the research areas.

9. Additional financial support is given to member involved in research activities.

10. The Fashion Technology department do not have a master's course, but has an updated research centre.

11. During appointment, every faculty interacts with the Chairman.

12. The College has adequate infrastructure facilities for the overall development of the students.

13. It also has a conducive atmosphere with a clean and green campus.

14. Students are given liberal funding support and encouragement.

15. As part of the extra-curricular activities, a diverse range of student clubs are there for holistic student development.

16. Students are given training for GATE / UPSC & GRE exams.

17. Those who have worked as principals, directors and deans in other colleges are appointed in the college.

18. Experts from industries visit the campus on a weekly basis to deliver guest lectures and interact with the students.

19. Several on-line programmes are conducted and staff members doing NPTEL/Coursera courses are given special allowances.

20. Staff presenting papers in other colleges are given travelling allowance and registration fees.

21. Every year there is a phenomenal growth in R&D. This year an ERP centre is being planned.

22. An exclusive department for training has been established with 12 staff members who exclusively give company specific training to students.

WEAKNESSES:

1. Salem being a Tier II city, there are only a few industries that employ the students.

2. For the past 7 years the Government of Tamil Nadu has not increased the tuition fees of the students.

THREATS:

1. Branding of college is always related to placement and because of the downfall of IT sector, MNCs either stopped or reduced their recruitments.

2. This year Anna University Chennai, has not conducted the pooled campus drive for affiliated colleges.

3. With more number of Ph.D staff, the salary overhead is high. So it is difficult to retain talented faculty.

4. Because of the two language formulae in Tamil Nadu, the mobility of the students to other state for jobs is a challenge.

5. There are no entrance exams for engineering admissions.

6. Counselling gets delayed regularly for the last few years since the government is not taking quick decisions. Hence students join and leave the course. Even top ranking colleges are affected by this.

7. Students from regional students are less proficient in English which is needed for getting placed in companies.

8. Counselling by the affiliated university to admission for engineering colleges is not pre-determined because there is no unified calendar.

8. Plans of the institution for the next year

1. To increase the innovative ability of students, the entrepreneurship development cell proposes to conduct programs. This will increase the number of companies to have incubation centres in the campus. Already three companies have setup centres in our campus. Five more companies are in the pipeline to setup centres in our campus.

2. The management has planned to increase patenting by appointing a full-time patent officer who will help and guide the faculty for getting financial support. An advertisement has been given for the appointment of patent officer.

3. Periodic awareness programmes was conducted by Mr. Chandrasekar, Ex-Director General of patents and Mr. Kanthababu, Director- Patent Education, Anna University to increase patents useful to the society.

4. The management also encourages to do projects on Smart City initiatives of Salem. An international conference on smart city is scheduled to be held in Dec 2018 by the departments of Civil. ECE, EEE and Mechanical Engineering. To enhance facilities for the above, infrastructure additions to various building blocks have been planned.

5. It is aimed to generate a revenue of Rs.5 crores through research activities, continuing education, industrial consultancy and testing services.

6. The Management has initiated steps to make the college into a University. 60% of work on the University Administrative block has been completed and the entire work is proposed to be completed in March 2019.

7. It is proposed to reduce the usage of paper to the extent of 25% per person in the campus during the next year. The usage of paper in the library has been reduced by 10%.

8. As part of green initiatives, it is aimed to increase the usage of Renewable energy in the campus. A 167kw Solar power plant was installed in the campus. 10% of the lights have been replaced with LED lamps. The existing lights are being replaced with LED lamps in a phased manner. All new infrastructure projects are planned with LED lamps only.

9. To initiate the process for starting a centre of excellence in industrial automation a tie-up with Ms.Axix Global Automation, Banglore has been done.

10. As part of the holistic development of students, participation in sports, yoga and learning of Japanese language have been brought into the Curriculum with one credit each. More such programmes are planned for the next year.

11. Sona is a soil Testing Centre for road construction projects for National and State highway departments. Soil Testing was done for 150 km stretch of new roads. It is aimed to establish this centre to a Regional Soil Testing centre for the Central Districts of Tamil Nadu.

12. Peer Teaching by students is a hallmark of Sona. It is aimed to increase peer teaching for the benefit of slow learners in the next year.

13. Sona is Rated as "AA" by NPTEL and presently in the 27th Rank among TOP-50 colleges in India. It is aimed to achive within the top 10 Ranks in India for the next year.

14. A Rural Women Technology Park has started functioning with grant received form DST. The facility was utilized to train 68 Rural woman so for in solar food processing, paver block manufacturing and garment manufacturing for differently abled women. It is aimed to train 300 rural woman in the next year.

15. To establish an exclusive Industry – Institution interaction Cell.

16. To develop a concerned plan for 6 year NBA accreditation for all the UG programmes.

17. To aim at achieving the highest Rank of A++ in the forth coming second cycle of NAAC accreditation.

Name: Dr. R. Vinod Kumar, IQAC Coordinator

Sona College of Technology, Salem

Name: Dr.S.S.R. Senthil Kumar, Principal

Sona College of Technology, Salem

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

Dr. S. R. R. SENTHILKUMAR,
M E (Struct), Ph. D, MISTE, AIV, MIE, C. Eng(I), MICI, MACI
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SONA COLLEGE OF TECHNOLOGY
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Academic Calendar

TENTATIVE COLLEGE LEVEL EVENTS 2017-2018

June 17
Week 26   Formation of Departmental Technical Associations

July 16
Week 28   Formation of all Students Club
                         Fresher's Day

August 17
Week 31   Inauguration of Students Clubs

September 17
Week 36   Staff Awards Day

January 18
Week 03   Management Scholarship Day
26th   Republic Day

March 18
Week 10   Sports Day
                         International Women's Day
                         Annual Day
                         Cultural Day
                         Graduation Day
                         Hostel Day

DEPARTMENT OF MECHANICAL ENGINEERING

June 17

Week 22	One day seminar on " How to Write in SCI Indexed Journal"
Week 24	One Day workshop on "Optimization using Taguchi Method"
Week 28	Inauguration of Mechanical Engineering Association
Week 29	SAE sponsored three day workshop on "ATV Design"
Week 30	Guest lecture - I

August 17

Week 31	SAE Club Activities
Week 32	Guest lecture II
Week 33	Industrial visit
Week 34	SAE events- guest lecture - I

September 17

Week 37	Guest lecture- III
Week 38	One day workshop on " Advanced Manufacturing using Non-traditional Methods"
Week 39	MASS 2017

October 17

Week 40	SAE TREK
Week 41	SAE factory Visit
Week 42	National conference on "Manufacturing and its Optimization"

November 17

Week 46	MECHTRIX 2017

December 17

Week 51	Faculty Development Programme

DEPARTMENT OF MECHANICAL ENGINEERING

January 18
Week 02   Guest lecture - IV

February 18
Week 05   Guest lecture - V
Week 07   SAE factory visit

March 18
Week 10   MECHSPARK 2018

April 18
Week 14   SAE events - guest lecture - II

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG.

July 17

Week 25	Commencement of II, III , final year classes and II ME year classes
Week 28	Inauguration of the association & guest lecture - I
Week 29	IEEE & WIE inauguration
	Class committee meeting – I (for all year)
Week 30	First review (for final year students)
	IEI Electrical Chapter inauguration

August 17

Week 32	Industrial visit
Week 33	Guest lecture - II
Week 34	Second review of PW (for final year students)
	Commencement of PG classes

September 17

Week 36	GATE awareness programme
Week 37	Guest lecture - III
	IEEE Intra College Technical Symposium 'Techgrill'
Week 38	Inter-departmental technical event
Week 39	Class committee meeting – II (for all year)
	Third review (for final year students)

October 17

Week 40	IEEE day

December 17

Week 49	Commencement of final year project work
Week 50	Commencement of II and III year classes
Week 51	Project - first review (for final year students)
Week 52	Guest lecture - IV

January 18

Week 01	Class committee meeting – I (for II and III year)
Week 03	Commencement of final year classes
	Workshop / Cconference
	Project - second review (for final year students)

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGG.

February 18

Week 07	Class committee meeting – I (for IV year)
	Importance of gate and preparation - lecture
Week 08	Guest lecture - V
	Inter-department project competition 'Techshow'
Week 09	Project - third review (for final year students)

March18

Week 10	'EDISON' Symposium
Week 11	IEEE symposium 'Circuitrix'
Week 12	Guest lecture - VI
Week 13	Farewell function
	Class committee meeting – II (for all years)

April18

Week 14	Project report submission (for final year students)
Week 15	Project final viva-foce (for final year students)
	Syllabus completion and intensive coaching

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG.

July 17

Week 29	Inauguration of association
	Guest lecture

August 17

Week 31	Workshop/guest lecture
Week 33	Guest lecture by alumni
Week 34	Parents meeting

September 17

Week 36	Electroblitz'17(intra college symposium, technical exhibition, Robo Olympics)
Week 38	Workshop/guest lecture
Week 39	Guest lecture by alumni

October 17

Week 40	Workshop/guest lecture
Week 41	Guest lecture by alumni

December 17

Week 51	Guest lecture
Week 52	Guest lecture by alumni

January 18

Week 01	Workshop/guest lecture
Week 03	Guest lecture

February18

Week 05	Fractals'18(Intercollegiate symposium, Robo Olympics, Quadco, Robo War)
Week 07	Guest lecture
Week 08	Guest lecture by alumni

March18

Week 09	Guest lecture
Week 12	Valedictory function

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

June 17

Week 23 — Placement training commences

July 17

Week 26 — Reopening for UG – II , III & IV year and PG II year (odd sem)
BOS meeting
National level workshop
Faculty advisor meeting

Week 27 — CSE / CSI – inauguration
First class committee meeting for UG (II, III & IV year)
First class committee meeting for PG (II year)

Week 28 — Guest lecture – I
Orientation programme for II Year

Week 29 — Faculty advisor meeting

Week 30 — Workshop – I
PAC meeting

August 17

Week 31 — Guest lecture – II
Parents meet for UG –II Year
Mini project zeroth review

Week 32 — Workshop - II
Inauguration of association activities

Week 33 — Second class committee meeting for II, III & IV
Faculty advisor meeting
CSI association special lecture for PG II year students and UG
Year industrial visit for UG - II year
National level technical symposium 'THREADS'17 Ver.2.0

Week 34 — Parents meet for UG – II Year

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

September 17

Week 36	Mini project 1st review PAC meeting – II Industrial visit for UG - III Year Reopening for PG - I Year (odd sem)
Week 37	Workshop – III CSI guest lecture - IV
Week 38	Faculty advisor meeting Class committee meeting for PG - I Year
Week 39	PG – I year orientation programme

October 17

Week 40	CSI contest
Week 41	Mini project second review Software exhibition 'SPARK'17'
Week 42	Guest lecture III Mini project model review for UG and 'Innovation Expo' event Project phase – I Model for UG - IV year & PG - II year Faculty advisor meeting
Week 43	Project Phase I viva voce for ME(CSE)

November 17

Week 44	Autonomous practical examination
Week 45	Autonomous theory examination
Week 46	CSI association special lecture for PG I year
Week 47	Guest lecture for PG I year

December 17

Week 49	Class committee meeting for PG - I year
Week 50	Seminar for I year PG
Week 51	Reopening for UG – II, III and IV year PG II year (even sem)
Week 52	Guest lecture – IV

January 18

Week 01	PAC meeting - III
	Faculty advisor meeting
Week 02	Reopening for PG - I year (even sem)
	Class committee meeting for UG
Week 03	Workshop – IV
Week 04	Class committee meeting for PG - I year
	UG project zeroth review

February 18

Week 05	Mini project zeroth review
Week 06	National level workshop
	CSI association special lecture
Week 07	Faculty advisor meeting
	PAC meeting - IV
	Technical seminar for UG
Week 08	UG project first review and alumni meet' 18

March 18

Week 09	VOLANT '18 – project marathon
Week 10	Mini project 1st review
Week 11	Class committee meeting for UG
Week 12	Faculty advisor meeting
	UG project second review

April 18

Week 13	Mini project 2nd review
Week 14	Guest lecture – V
Week 15	UG project 3rd review
Week 16	Workshop – V
	Faculty advisor meeting
	Association valedictory function

May 18

Week 18	Final project review for UG students
Week 19	Mini project third review

DEPARTMENT OF INFORMATION TECHNOLOGY

June 17

Week 25	Commencement of placement & GATE orientation
Week 26	Commencement of class work for III, V and VII semester students

July 17

Week 27	IT Association office bearers election and association inauguration
Week 28	First class committee meeting for III, V and VII semester students
	Guest lecture for final year students
Week 29	Project (phase I)- first review for final year and MTech students
Week 30	Placement training & mock interview for final year students
	Two days workshop for 3rd year students

August 17

Week 31	Software Freedom Day
Week 32	Guest lecture for second year students
	Project (phase I) - second review for final year and MTech students
Week 33	IEI National Seminar – Machine Learning
Week 34	Placement training & mock interview for final year students
	Workshop for 2nd year students

September 17

Week 36	Guest Lecture for third year students
Week 37	Project (phase I)- third review for final year and MTech students
Week 38	Second class committee meeting for III, V and VII semester students
	Workshop for 3rd year students
Week 39	Placement training for final year students
	Verve 2017 and The Dream Run 2017

DEPARTMENT OF INFORMATION TECHNOLOGY

October 17
Week 40   Project (phase-I) demonstration
Week 41   Faculty development program

December 17
Week 49   Commencement of class work for even semester
Week 50   First class committee meeting for IV, VI and VIII semester students
Week 51   International conference on Intelligent Computing
Week 52   Placement training for third year students

January 18
Week 01   Project(phase II)- first review for final year and MTech students
                   Intra department technical symposium
Week 02   Alumni day
Week 03   One day workshop for final year students
Week 04   Guest lecture for second year students.

February 18
Week 06   Guest lecture for third year students
Week 07   Project(phase II)- second review for final year and MTech students
Week 08   National level technical symposium – PORT 2018 & Ignite 2018
Week 09   Placement training for third year students

March 18
Week 10   One day workshop for third year students
Week 11   Project (phase II) - third review for final year and MTech students
                   Workshop for second year students
Week 12   Second class committee meeting IV, VI and VIII semester students
Week 13   Placement training workshop third year students

April 18
Week 14   Inspiring Awards -2018 and Association valedictory function
Week 15   Project(phase II)-demonstration

DEPARTMENT OF CIVIL ENGINEERING

July 17

Week 24	Placement training / higher studies coaching / Continuing Education Training
Week 27	Orientation programme for II year students
Week 28	UG & PG project work – zeroth Review
Week 29	Inauguration of IEI Students Chapter
Week 30	UG & PG project work – first review

August 17

Week 32	Parents meet
Week 33	Workshop / guest lecture / seminar
Week 35	UG & PG project work – 2nd review

September 17

Week 37	Celebration of Concrete Day and Engineers Day
Week 38	CORE 17 – Intra-departmental student symposium
Week 39	UG and PG project work – third review

October 17

Week 41	Workshop / guest lecture – PG students
Week 42	UG and PG project work – model viva-voce

November 17

Week 45	Workshop / guest lecture – PG students

December 17

Week 49	Faculty Development Programme for teaching / non-teaching
Week 51	Placement training / higher studies coaching / Continuing Education Training

January 18

Week 02	UG and PG project work – zeroth review
Week 03	Workshop / guest lecture / seminar
Week 04	CARVE 18 – Inter College Students Symposium / Project Expo
Week 05	UG and PG project work – first review

February 18

Week 06	Parents meet
Week 07	Workshop / guest lecture / seminar
Week 09	UG & PG project work – second review

March 18

Week 10	Workshop / guest lecture
Week 12	UG & PG project work – third review
Week 13	Achievers Day Celebration

April 18

Week 14	ICON 18 – national conference
Week 16	Workshop / guest lecture – PG students
Week 17	UG and PG project work – model viva-voce

May 18

Week 19	National seminar
Week22	Faculty development programme for teaching / non-teaching

July 17
Week 29   Special placement Training
Week 30   Internship/mini project – final review

August 17
Week 32   Workshop – semester 3 and 5
               Yoga work shop for all students and staff
Week 33   Parents – teachers meeting – semester 3,5 and 7
               Industrial visit – semester 3,5 and 7
Week 34   Guest lecture / workshop – semester 3, 5 and 7
               SONAFTA-2017: Inauguration cum intra-departmental student symposium

September 17
Week 37   SONA SARTORIA – 2017: Inter- college student symposium
               Guest lecture / workshop – semester 3, 5 and 7

October 17
Week 40   Guest lecture /workshop – semester 3, 5 and 7
               Project work – zeroth review

November 17
Week 44   In-plant training for 3rd year students

January18
Week 04   Final-year placement training
               Project work – 1st review

February 18
Week 06   Guest lecture / workshop – semester 4,6 and 8
Week 07   Industrial visit – semester 4 and 6
Week 09   Project work – second review
               Health camp for students and staff

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March 18

Week 11	Guest Lecture / workshop – semester 4,6 and 8
	National conference / seminar
Week 12	Training programme for women development
	Guest lecture – semester 4,6 and 8
Week 13	Project work – 3rd Review
	SONAFTA-2017: Valediction cum student awards day

April 18

Week 16	Project work – model viva-voce
Week 17	9th BoS meeting

May & June 18

Week 21 onwards	In-plant training for 4th and 6th semester students
Week - I May to Week 23 June	Staff (teaching and non-teaching) training

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July 17
Week 27	Commencement of class work for second year
Week 30	Guest lecture for second year

August 17
Week 32	Guest lecture for second year
	Commencement of placement aptitude training for II MBA
Week 33	Inauguration of first year
Week 34	Orientation for first MBA

September 17
Week 36	Guest lecture for second year
Week 37	Career guidance for second year
Week 38	Case conference

October 17
Week 40	Commencement of CIE for first trimester
Week 43	Guest lecture for second year

November 17
Week 45	Commencement of first trimester end examination
Week 46	Commencement of 3rd semester end examination for II MBA

December 17
Week 49	Commencement of second trimester
Week 50	Commencement of main project work for II MBA
Week 50	Commencement of placements for II MBA
Week 52	International conference at Goa
Week 52	Review of main project work for II MBA

January 18
Week 03	Commencement of CIE for first year
Week 04	Review- II of main project work for II MBA

February 18

Week 05	Industrial visit
Week 07	Second trimester end examination
Week 08	Review -III of main project work for II MBA

March 18

Week 09	Commencement of third trimester
Week 10	Commencement of placement aptitude training for I MBA
Week 12	Industrial visit
Week 13	Review of main project work for II MBA

April 18

Week 14	Commencement of CIE
	Submission of main project work for II MBA

May 18

Week 18	Project Viva Voce examination for second year
Week 20	Third trimester end examination

MASTER OF COMPUTER APPLICATIONS

July 17
Week 27   Soft skill training programme " Technical Interview"
Week 28   Guest lecture on ERP
Week 29   Latest technology trends
Week 30   Soft skill training programme "Hands on training C&C++"

August 17
Week 31   ORACLE – training programme
Week 32   Career opportunities training
Week 33   Intra department technical event
Week 34   Guest lecture on " Network Protocol"

September 17
Week 35   Inauguration of students association
Week 36   Guest lecture on Big data and data analytics
Week 37   Cloud networks and IT trends
Week 38   Inter department technical meet

October 17
Week 39   Guest lecture on Ethical Hacking

January 18
Week 01   Guest lecturer on Software testing tools

February 18
Week 06   Guest lecture on Mobile Apps
Week 08   Workshop on Software testing

March 18
Week 11   One day students symposium for UG students
Week 12   Career guidance program on how to utilize their college to
            the best
            Valedictory for MCA association

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DEPARTMENT OF HUMANITIES AND LANGUAGES

August 17
Week 34   Induction programme - "Introduction of various facilities and clubs of Sona"

September 17
Week 35   Orientation programme – Phase I
Week 36   Orientation programme – II "Mind Management"
Week 38   Motivation programme – I

October 17
Week 40   Motivation programme – II "Professional presentation and publication in conferences/seminars/symposiums"

January 18
Week 04   Orientation programme - Phase III "Goal Setting"

February 18
Week 05   Orientation programme - Phase IV "SWOT Analysis"
Week 06   Motivation programme - Phase III "Personality Development"
28th   National Science Day

March 18
Week 11   Science lecture

Semester I & II   Guest lectures on Youth Day, Science Day and Health Day

August 16

Week 33   Guest lecture by university faculties

February 17

Week 06   Guest lecture by university faculties

May - June 17

3   Weeks   Transit course for lateral entry students

Feedback Analysis from Stakeholders

The college has formal procedures to obtain feedback from Alumni, employers, parents and students. The major points derived from the feedback analysis are listed here.

Alumni

In general the alumni appreciated the following points:

- Excellent Academic Support extended by the faculty members.
- The 2015 and 2015R regulation under CBCS is excellent and it will be more useful for student's career growth.
- Value Addition, technical skill set and Contemporary Academic Support enriches the students' future.
- All recent updates are shared in social media, with a very impressive reach, can be extended by sending messages to alumni mobile numbers.
- Relevance of subject to the industry is excellent
- Inclusion of recent trends in curriculum is excellent

Employers

- Alumni are performing well in their respective industries.
- The autonomous curriculum and syllabi are good. It will definitely meet the industrial requirements expected from the students.
- Students' performance improves year on year, specific concentration needs to be given in communication and core concepts.
- Course content, coverage and organization is excellent
- They have felt curriculum and syllabus are met the industrial requirements.

Parents

- Most of the parents were satisfied with the present teaching and learning process followed in the college.
- They also expressed their satisfaction towards the student information system (MIS) followed in the college.
- Technical knowledge and communication skills acquired by student after the admission to our college are good.
- Facilities in the hostel, internet and library are good.
- Parents were well satisfied the quality and relevance of the course
- A sincere appreciation from parents for the MIS system implemented
- Parents also expect to get information regarding various programmes run in the college.
- Facilities in the hostel, internet and library are good.

Students

- Majority of students have reported that the academic and research activities of the college is excellent.
- Real time projects and assignments are enriching the learning ability of the students as a whole.
- Most of the students have felt their goals and expectations are fulfilled in the curriculum.

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