SONA COLLEGE OF TECHNOLOGY

Learning is a Celebration !

|An Autonomous Institution|

ANNUAL QUALITY ASSURANCE REPORT
2013 - 2014

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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SONA COLLEGE OF TECHNOLOGY

Salem- 636005

CONTENTS

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

> 2013-2014

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

> TAMILNADU

Pin Code

> 636005

Institution e-mail address

> principal@sonatech.ac.in

Contact Nos.

> 0427-4099999

Name of the Head of the Institution:

> Dr. C.V. KOUSHIK

Tel. No. with STD Code:

> 0427-4099919

Mobile:

> 9443366495

Name of the IQAC Co-ordinator: Prof.A. Velusamy

Mobile: 9842814694

IQAC e-mail address: iqac@sonatech.ac.in

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

   OR

1.4 **NAAC Executive Committee No. & Date:**   EC/PCA&A/61/29 dated 15-9-2012
   (For Example EC/32/A&A/143 dated 3-5-2004.
   This EC no. is available in the right corner- bottom
   of your institution's Accreditation Certificate)

1.5 Website address: www.sonatech.ac.in

   Web-link of the AQAR: www.sonatech.ac.in/AQAR2013-2014.doc

1.6 Accreditation Details

S. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.21	2012	Sept 14, 2017
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

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 ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011)*)

    i. **AQAR 2012-13 Submitted to NAAC on 15/02/2017**
    ii. AQAR_____ _____ (DD/MM/YYYY)
    iii. AQAR_____ _____ (DD/MM/YYYY)
    iv. AQAR_____ _____ (DD/MM/YYYY)

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*) [ ]

UGC-COP Programmes [ ]

2. IQAC Composition and Activities

2.1 No. of Teachers [10]

2.2 No. of Administrative/Technical staff [2]

2.3 No. of students [5]

2.4 No. of Management representatives [1]

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 [26]

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) Mind Management
>
> 2) Work Ethics: Motivational Climate & Attitude

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 2013-2014.
> 1. To enhance faculty skills through pedagogy training and skill development programmes
> 2. To impart Soft skills and Placement training programmes for the 2nd and 3rd year students
> 3. To produce minimum one University cited rank holder (within top 5 ranks) by every department of A.U. – Coimbatore
> 4. To encourage faculty members to take-up research projects, consultancy and extension activities and to publish papers in reputed journals
> 5. To organize various co-curricular and extra-curricular activities for the benefit of the students

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*

5

Plan of Action
Conduct pedagogy and training programmes for teaching faculty
To impart atleast 40 hrs of Soft skills and Placement training programmes for the 2nd and 3rd year students by internal Faculty, and atleast one progamme by external Experts /batch/year.
Conduct national conference, seminars and guest lectures
Enhance the teaching- learning process by introducing 'Outcome-based Education' for all programmes as per NBA requirements for the current regulation.
Improve R&D Activities through paper publications, continuing education, MOU with industries, students internship, patents, consultancy and testing services
To organize one International conference by departments every two years
Organise extra-curricular activities through NCC, NSS, YRC
To organize a State-level cultural or promotional event, by the college "Fine arts Club".
To be within first five rank of A.U. – Coimbatore sports meet

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

The Procedure of authentication and distribution of revised regulation, curriculum and syllabus needs to be relooked, so as to enable easy verification audit. The above mentioned documents have been circulated only after HOD's signature was obtained with issue date.

All heads are to meet on Friday evening between 4.45 pm and 5.30 pm to discuss broad areas identified where improvement is needed. This will help us to take the institution to the next level.

Improving students English Communication:
- English was made compulsorily as campus language and all faculty and students should speak only in English.
- Faculty were asked to teach five english words and its usages per day
- Reading exercises in groups with fun has been promoted.
- Student's interaction in English can be best improved by giving seminars, project presentation, book reviews etc.

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	12	-	12	-
UG	7	-	7	
PG Diploma	-	-	-	
Advanced Diploma	-	-	-	
Diploma	-	-	-	
Certificate	-	-	-	
Others	-	-	-	
Total	19	-	19	

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

Pattern	Number of programmes
Semester	19
Trimester	-
Annual	-

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

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

Please provide an analysis of the feedback in the Annexure

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

No

1.5 Any new Department/Centre introduced during the year. If yes, give details.   **No**

Nil

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of
permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
307	214	57	36	0

2.2 No. of permanent faculty with Ph.D.

46

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

Asst. Professors		Associate Professors		Professors		Others		Total	
R	**V**	**R**	**V**	**R**	**V**	**R**	**V**	**R**	**V**
12	12	-	-	-	-	-	-	12	12

2.4 No. of Guest and Visiting faculty and Temporary faculty

0	1	0

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	19	134	44
Presented	83	61	1
Resource Persons	2	5	9

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

- Books on Question Banks were published for UG and PG Programmes.
- Alumni Buddy Connect to enhance global competency and to empower skills through Industrial Projects
- Active Learning laboratory
- Student Centric Activities (Club Activities)
- Introduced higher order thinking and project based learning in the curriculum
- In-plant Training.

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

188

2.8 Examination/Evaluation Reforms initiated by the

Photocopy of Answer Scripts for UG & PG Programmes

institution (for example: Open Book Examination, Bar Coding,
Double Valuation, Photocopy, Online Multiple Choice Questions)

2.9 No. of faculty members involved in curriculum
restructuring/revision/syllabus development as

100	117	193

member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

92.46

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)		166	60	40	-	NA	100
ECE (PG)	CS	18	83	17	-		100
	VLSI	28	50	50	-		100
EEE (UG)		154	29.2	64.9	1.9		96
EEE (PG)	PSE	16	62	38	-		100
	PED	17	53	47	-		100
MECH (UG)		163	7.4	84.7	1.2		93.3
MECH (PG)	ED	17	29.41	70.59	-		100
	PDD	15	18.75	81.25	-		100
CIVIL (UG)		156	19.23	56.91	0.64		76.78
CIVIL (PG)		19	31.58	63.16	5.26		100
CSE (UG)		110	43	43	-		86
CSE (PG)	CSE	12	63	37	-		100
	SE	18	46.6	53.3	-		100
IT		160	23.75	55.62	1.25		94
IT (PG)		17	35	64.7	-		100
FT		68	22.05	52.94	5.89		80.88
MCA		118	68.64	31.36	-		100
MBA		178	6.75	82.82	10.43		100

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

Feedback forms on curriculum are collected, analysed and prepared the report which helps in teaching and learning process

The college has standard pedagogical practices. The Faculty Record Book (FRB) where the lesson plan, course outcomes, programme outcomes, course delivery details, list of resources developed, etc. are documented which serves as a record of all the academic activities.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	10
UGC – Faculty Improvement Programme	44
HRD programmes	28
Orientation programmes	28
Faculty exchange programme	0
Staff training conducted by the university	0
Staff training conducted by other institutions	10
Summer / Winter schools, Workshops, etc.	124
Others	8

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	127	22	22	NIL
Technical Staff	128	16	16	NIL

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	6	7	1	4
Outlay in Rs. Lakhs	46.97	114.6	19.50	56.12

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	5	1	-
Outlay in Rs. Lakhs	4.60	11.00	1.91	-

3.4   Details on research publications

	International	National	Others
Peer-Reviewed Journals	137	7	-
Non-Peer Reviewed Journals	11	5	1
e-Journals	8	-	-
Conference proceedings	62	33	1

3.5 Details on Impact factor of publications:

Range 0.04-5.016   Average 0.63   h-index 53   Nos. in SCOPUS 69

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2011-14	AICTE-RPS	12.60	12.60
	2011-13	AICTE-RPS	10.00	10.00
	2011-13	ISRO	6.07	6.07
	2011-13	AICTE-RPS	8.60	8.60
	2013-14	HBL Power Systems Ltd.	9.30	9.30
	2013-14	AICTE -RPS	16.00	15.33

	2013-14	AICTE - RPS	4.00	4.00
	2013-14	AICTE - RPS	5.00	5.00
	2013-16	Chokalingam Trust & TNAU	7.00	7.00
	2013-14	AICTE	6.00	6.00
	2013-17	State planning commission of Tamilnadu,Chennai.	9.00	0.75
Minor Projects	2013-14	Chockalingam Trust, Salem	2.00	2.00
	2013-14	Vee Technologies, Bangalore	4.00	4.00
	2013-14	Venkateswara CyberZone, Salem	3.00	3.00
	2013-14	Noorul Islam University, Ramanathapuram	1.00	1.00
	2013-14	M.G. Diabetic Centre, Salem	1.00	1.00
	2013-14	IIT Bombay	1.00	1.00
	2013-14	The Institution of Engineers(India)	0.75	0.75
	2013-14	UGC – MRP	1.91	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	2013-14	Spinwell Valliappa Pvt. Ltd., Benagaluru	2.55	2.55
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	2013-14	Sona College of Technology	0.30	0.30
Any other(Specify)	2013-14	TNSCST – Chennai	0.10	0.10
	2013-14	AICTE FDP	4.50	4.50
	2013-14	IETE – New Delhi	0.50	0.50
	2013-14	ISTE & IIT Kharagpur	0.96	0.96
		Total	**117.14**	**106.31**

3.7 No. of books published   i) With ISBN No.   [4]   Chapters in Edited Books [7]

ii) Without ISBN No.   [19]

3.8 No. of University Departments receiving funds from

UGC-SAP [-]   CAS [-]   DST-FIST [7]

DPE [-]   DBT Scheme/funds [-]

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

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

3.10 Revenue generated through consultancy | 9.32 lakhs |

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	1	-	-	-
Sponsoring agencies	-	SCT	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons | 35 |

3.13 No. of collaborations   International | 4 | National | 11 | Any other | - |

3.14 No. of linkages created during this year | 7 |

3.15 Total budget for research for current year in lakhs :

From Funding agency | 37 lakhs | From Management of University/College | 40 lakhs |

Total | 77 lakhs |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	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
14	4	6	1	2	1	-

3.18   No. of faculty from the Institution who are Ph. D. Guides | 33 |
and students registered under them | 127 |

3.19   No. of Ph.D. awarded by faculty from the Institution | 19 |

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

JRF | 1 | SRF | - | Project Fellows | - | Any other | - |

3.21 No. of students Participated in NSS events:

University level [112] State level [-]

National level [-] International level [-]

3.22 No. of students participated in NCC events:

University level [-] State level [54]

National level [1] International level [-]

3.23 No. of Awards won in NSS:

University level [3] State level [-]

National level [-] International level [-]

3.24 No. of Awards won in NCC:

University level [-] State level [-]

National level [-] International level [-]

3.25 No. of Extension activities organized

University forum [-] College forum [ ]

NCC [4] NSS [40] Any other [-]

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

SI NO	Name of the Programme	Course code	Duration	Sponsored by	No of Candidates	Project Cost- Rs.
1	Industrial Garment Making	10/13-14	03.03.2014 18.07.2014	SRC Ltd, Salem	58	370788.00
2	Industrial Garment Making	11/13-14	31.07.2014 09.07.2014	SRC Ltd, Salem	26	358428.00
3	Multiskilled Garment Making	12/13-14	13.03.204 26.07.2014	JSW Steel Ltd, Pottaneri	30	278091.00
4	Basic Sewing Operator	13/13-14	26.03.2014 06.06.2014	Under the Scheme of VTP	11	74,250.00
5	Industrial Garment	14/13-14	31.03.2014	SRC Ltd	25	346068.00

	Making		09.07.2014			
6	Basics of Beauty and Hair Dressing	15/13-14	27.03.2014 19.05.2014	Under the Scheme of VTP	18	67,500.00
7	Basic Sewing Operator (Batch II))	16/13-14	28.03.2014 31.08.2014	-do-	13	87,750.00
8	Retail	17/13-14	31.03.2014 25.07.2014	Under the Scheme of VTP	19	68,400.00
9	English Language Training	01/14-15	28.04.2014 05.06.2014	Titan Co Ltd	30	61,180.00
	Total				**230**	**17,12,455.00**

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	101	06	Chockalingam Trust	107
Laboratories	85	-	Chockalingam Trust	85
Seminar Halls	11	-	Chockalingam Trust	11
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year	14	15	-	29
Value of the equipment purchased during the year (Rs. in Lakhs)		140.14 Lakhs	Chockalingam Trust	-
	2	16.66 Lakhs	AICTE	-
Others	-	-	-	-

Equipment Purchased details for the Academic Year 2013-14

S.No.	Department	2013-14	
		Equipment more than Rs.1 lakh (in lakhs)	Equipment purchased amount (in lakhs)
1.	Civil Engineering	1	1.18
2.	Electrical and Electronics Engineering	4	10.59
3.	Electronics Communication Engineering	2	10.97
4.	Computer Science Engineering	6	41.91
5.	Fashion Technology	-	0.89
6.	Computer Science Engineering, Information Technology, MCA	81 Users	71.77
7.	Security	-	0.54
8.	Teaching Aid	1	1.10
9.	Telephone – Cell	-	0.92
10.	Library	-	0.27

11.	Moderob- MCA	1	6.68
12.	Moderob –IT	1	9.99
Total Purchased Amount Rs in Lakhs			**156.81**

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
- Automatic Question Paper Setting
- Process implementation for online fee collection and Tally interface
- Fee collection through MIS for first year with new receipt format
- Hostel students Bio-data form design and access at Hostel premise
- First year admission data capture
- ISO new process & quality manual updating for external ISO audit.
- Master updates in Bus fee collection
- Interlinking of bio-metric 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 and e-Books.
- DELNET services
- Biometric systems for faculty attendance.

4.3 Library services:

	Existing 2012-13		Newly Added 2013-14		Total	
	No.	**Value**	**No.**	**Value**	**No.**	**Value**
Text Books	**No.**	**Value**	**No.**	**Value**	**No.**	**Value**
Reference Books	73259	23228677	2470	1329525	75729	24558202
e-Books	3021	4639374	46	463427	3067	5102801
Journals	-	-	229	61490	229	61490
e-Journals	135	272767	19	33753	154	306520
Digital Database (NPTEL)	4	602088	9	1545431	13	2147519
CD & Video	3675	-	-	-	3675	-
Others (specify)	2322	128871	9	24796	2331	153667

4.4 Technology Up-gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1741	18	24Mbps	3	-	-	All Deapartments	-
Added	82	-			-	-	All Deapartments	-
Total	1823	18	24Mbps	3	-	-	All Deapartments	-

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.

Aakash Project

Our college has extensively contributed to the success of Aakash project by taking it to each student. Aakash has a great potential to become a ubiquitious and effective ICT too; for students and teachers. It attempts to empower teachers, by using a unique blend of technology, e-content, and an innovative pedagogy. While the main focus of this project is on engineering education, it is proposed to use the creative talent of these professional students and teachers, to develop applications and content for all levels of education, including school education, in Indian languages.

4.6 Amount spent on maintenance in Lakhs

1) Campus Infrastructure and Facilities + Equipment

1,42,54,54

CONSUMBALES & MAINTENANCE EXPENSES(APRIL 2013- MARCH 2014)

S. No.	Item Description	Amount
1.	Building Maintenance	78,63,565
2.	Lab Maintenance - Chemistry	49,938
3.	Lab Maintenance – Civil	1,56,292
4.	Lab Maintenance - Electrical	1,15,317
5.	Lab Maintenance – ECE	85,868
6.	Lab Maintenance – Computer	24,78,096
7.	Lab Maintenance – Fashion Technology	1,37,863
8.	Lab Maintenance - Mechanical	2,95,275
9.	Lab Maintenance - Physics	11,710
10.	Teaching Aid Maintenance	75,144
11.	Air Conditioner Maintenance	2,09,538
12.	Furniture Maintenance	1,95,871
13.	Garden Maintenance	8,18,011
14.	Electrical Maintenance	4,80,630
15.	Vehicle Maintenance	9,26,942
16.	Office Maintenance	5,331
17.	Public Address System Maintenance	6,742
18.	Water treatment Plant Maintenance	81,961

19.	Genset Maintenance	2,60,453
	Total Rs.	1,42,54,544

Total: | 1,42,54,544 |

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Student's Induction program is conducted at the beginning of every academic year and faculty explain about the various Student Support Services available in the college.
- Management Information system (MIS) software is developed for recording and monitoring all the student related academic activity.
- Student Counselling & Guidance Cell counsel regularly and helps the students to overcome the personal problems.
- Appreciation Award and management Scholarship were given to students to encourage them.
- Students were involved in various club activity to develop the interpersonal skills.

5.2 Efforts made by the institution for tracking the progression

- 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, whom the students can approach for academic and personal counselling.
- 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 his/her academic performance, attendance record, course registration, and fulfilment of course requirements among other things, offering guidance where necessary on matters pertaining to academics.
- Each student entered information about her personal details, academic performance and curricular progress in a faculty advisor booklet. Faculty advisor offer academic counselling to students, help them choose elective courses, recommend them for remedial coaching, if necessary, and also meet parents of weak students to update them on their progress.
- Suggestions for improvement posted in the suggestion boxes are taken up for

5.3 (a) Total Number of students

UG	PG	PhD	Others
3813	1076	-	-

(b) No. of other-state students

65

(c) No. of international students

199

Men	No	%	Women		No	%
	2806	57%			2083	43%

Last Year (2012-2013)						This Year(2013-2014)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
611	514	18	3715	12	4870	522	527	19	3821	11	4900

Demand ratio: 1:8   Dropout   0.3%

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

> The College had organized coaching classes for students to take up competitive exams like GATE .

No. of student beneficiaries   178

5.5 No. of students qualified in these examinations

NET   -   SET/SLET   -   GATE   35   CAT   7

IAS/IPS etc   -   State PSC   -   UPSC   -   Others   46

5.6 Details of student counselling and career guidance

- Student counseling and career guidance is done through personality and career enhancement course in the curriculum.
- The Placement and Training Department creates awareness about career planning and career mapping among the students.
- Students are given training by the external members.
- They are also given training in the area of quantitative aptitude, logical reasoning and verbal reasoning.
- Mock interviews are conducted by the Alumni for the students to perform well in the job interviews.
- Students are given training on group discussion techniques.

No. of students benefitted   1769

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
62	679	476	36

5.8 Details of gender sensitization programmes

1. The club formed a team of counselors from various departments for women safety at sona in the month of June 2014.
2. The election for the office bearers was conducted for the student nominees and following students were selected for the academic year 2013 - 2014.

CHAIRPERSON	A.Rabeiya ., IV Year, B.EElectronics and Communication Engineering
SECRETARY	B.Nardhana., III Year - B.E.Computer Science and Engineering
JOINT SECRETARY	B.Poojitha., II Year - B.Tech Fashion Technology
ORGANIZINGCOMMITTEE CHAIRPERSON	K.VishnuPriya ., II Year - Master of Computer Applications

3. Inauguration of the club for the year 2013-2014 was organized on 17th October 2013 with the Guest of Honour is Ms.LakshmiSiddharthan., Director, T.M.S Eye Hospital, Salem.
4. The club made a visit to the orphanage "Kuzandaigalkapagam" on 26th January 2014 and made offerings to the children present over there.
5. Women Empowerment cell in coordination with Shaolin martial Arts academy conducted a " Martial Arts workshop" for the girl students trained by Sifu Lu ramesh, Bsc., M.A.,M.d(Acu) from 28th January 2014 to 15th February 2014.
6. A guest lecture on "Balanced Diet and Nutrition" for the girl students of Sona on 5th February 2014 by Ms.P. KavithaArivalagan dietician and school nutritionist. She is the director of Nutrihouse diet clinic and Secretary for Nutrition and Dietetic association Salem.
7. A guest lecture on "PCOS" for the girl students of Sona by Dr.V.Dhavashree ,MBBS,DGO,D.Lap, Consultant Obstetrician &Gynecologist, SKS Hospital, On 07th February 2014.
8. Perk up 2014 – A platform was formed for the girls to exhibit their talents and win prizes from 4th to 8th February 2014.
9. International Women's day celebration preparatory meeting was conducted on 17th February 2014 with the committee members and faculties in charge.

8. The Women's day celebration was celebrated with the esteemed presence of Ms.Aarti.C.Rajaratnam ., Chief Psychologist and Ms.J.C.Sheetal Gandhi., Founder Director U in U on 17th February 2014.
9. Valedictory function was conducted on March 17th 2014 with Dr.M.Renuga ., HOD/H&L as our guest of honour.

5.9 Students Activities

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

State/ University level | 58 | National level | 8 | International level | - |

No. of students participated in cultural events

State/ University level | 41 | National level | - | International level | - |

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

Sports: State/ University level | 18 | National level | 1 | International level | - |

Cultural: State/ University level | 3 | National level | - | International level | - |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	322	30,24,200
Financial support from government	1681	2,71,10,420
Financial support from other sources	200	24,55,500
Number of students who received International Scholarships	95	2,13,43,575

5.11   Student organised / initiatives

Fairs   : State/ University level | 8 | National level | 2 | International level | - |

Exhibition: State/ University level | 2 | National level | 3 | International level | - |

5.12   No. of social initiatives undertaken by the students | 34 |

5.13 Major grievances of students (if any) redressed: There were no major/minor student grievances.

- The institute has got a redressal committee, for complaints and grievances with a senior professor as convener and other senior faculty members in the team.
- 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

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6.2 Does the Institution has a Management Information System?

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

The academic processes like the student attendance, internal marks, conduct of the end semester examination and publication of the results are computerized. An extensively computerized 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 the 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 and 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

the faculty of the institution are trained in 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.

ICT enabled technologies like e-journals, databases like J/ gate; ProQuest, CMIE, etc. are available for the students for efficient learning.

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 Examinations (CIE), the Semester-End Examination (SEE) and evaluation of the answer scripts.
- The question papers for the CIE are set by the internal faculty.
- The question papers for the SEE are set by the internal and external faculty.
- The question papers of the CIE and SEE are scrutinized by the Head / senior faculty member.
- Steps are taken to ensure that the question papers conform to the standards of bloom's taxonomy.
- The Sona standard is that 40% of the questions of question papers for tests and exams in the undergraduate programmes 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 the 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 the answer scripts and organising their revaluation for the benefit of the 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 the students for research and development. It is committed to research in the areas of science, engineering and technology and has nurtured more than 20 centres of excellence exclusively for research and development.

- The vibrant research and development activity in the college has resulted in receiving grants from organizations like DST, AICTE, UGC, ISRO, NIOT, etc. and also few industries.

- 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 since 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 with resources and informative brochures, newsletters, write-ups and CDs on leading companies are available for students particularly to enhance their placement and career focus.

ICT:

- There are adequate ICT facilities in the institution and well established policies for their deployment and maintenance.
- Every student of the 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 the hostel are provided thereby ensuring free access to current industrial and technological trends.
- 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 the classrooms.
- All the computer labs, multimedia language lab and science labs provide opportunities for hands-on training in ICT modules.

Physical infrastructure / instrumentation:
.
- Adequate number of seminar halls and conference halls with air-conditioner and audio-visual facilities, video-conferencing facility are available.
- All the classrooms are equipped with audio-visual facilities.
- All the computer labs that are well equipped 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.
- The CCTV cameras are installed in strategic location in the campus.

- Adequate numbers of fire extinguishers at vantage points are kept and the staff and the 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 the 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 is motivated to be a part of professional bodies like the ISTE, CSI, CII, MMA, NHRD, etc.

6.3.7 Faculty and Staff Recruitment

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 HRD and forwarded to the department head for further short listing
Step 4: Interview process is organised for the shortlisted candidates by 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

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 do selection of 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/guidelines for selecting candidates for admission to the various programmes offered by our institution.

Dr. C.V.Koushik, Principal, Chairman –Admissions

Dr.G.M.Kadhar Nawaz, Admissions In-Charge

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 (10+2) 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 (10+3/12+2) examination.

ME/MTech Degree Programme
- Based on the entrance (TANCET / CET / GATE) marks conducted by the Anna University and Association of Managements of Anna University Affiliated Colleges, Coimbatore

Master of Business Administration (MBA) Degree
- Based on the entrance (MAT / TANCET / CET / CMAT) marks conducted by the Anna University, Association of Managements of Anna University Affiliated Colleges, Coimbatore, and AICTE

Master of Computer Applications (MCA) Degree & Lateral Entry
- Based on the entrance (TANCET / CET) marks conducted by the Anna University & 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 - Contribution to ESI - Advance to meet emergency expenditure - Medical centre - Gratuity - Personal accident insurance
Non-teaching staff	- Uniforms for the support staff - Financial aid for the education of the ward of supportive staff - Festival advance - Fee concessions for children of administrative and support staff - Bonus for administrative and supportive staff - Medical centre - Gratuity - Personal accident insurance - Salary advance.
Students	- Management Scholarship is provided for each year for the following categories: - Sports scholarship - Merit cum means scholarship - Merit scholarship - Special scholarship - Financial support for: - Student innovative projects

	➤ Student competitions ➤ Attending seminar and conferences ➤ Appreciation prizes for meritorious students - Free accommodation and food in 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

6.5 Total corpus fund generated　　Rs. 834.22 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 semesters are displayed for the students which is endorse by the students after clarifying their doubts. Parents are informed of the marks through SMS.

After the completion of every CIE test, the principal 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 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 the students can improve and score high marks in 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 the 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.

The entire operations of examinations are streamlined through Management Information System to speed up the processes.

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 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 faculty 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 support students through a variety of events and services.
- Guest lecturers by experienced alumni for students are organised.
- Skill based training to students to meet industry needs is conducted.
- Financial support of one lakh rupees has been given to SAE-SUPRA student formula team.
- Every department has the alumni as one of the members of board of studies (BOS) for curriculum design.
- Industrial visits are facilitated by the alumni for   the students.
- Alumni have helped in getting Inplant trainings for the 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 the management.
- The mission of the association is to foster strong 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 the alumnus for the interested students in the department. Also mock interviews are conducted for the final year students through the association.

6.12 Activities and support from the Parent – Teacher Association

- The goal of parent-teacher meeting is to bring together the interests of the parents and the college to support student progression.
- Each department organizes parents and teachers meeting periodically and provides an opportunity for the parents to discuss the academic performance of their wards with the faculty concerned.The departmental activities are presented to the parents.
- The student's 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 considered in framing the curriculum.

6.13 Development programmes for support staff

Every year the Human Resource Department organizes development programmes for the support staff. They are 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 established 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 adapted in the college and hostel.
- Vermicomposting.
- Safe disposal of laboratory wastes is done.
- Solar energy is utilised effectively.

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. Give details.

- Assessment and attainment of COs, POs and PEOs
- Properly maintained eco-friendly campus
- Online performance appraisal system
- Teaching–Learning Process: The autonomous status of the institution enables us to introduce industry-oriented technology in the syllabus, and this in turn enables the students to face their professional world with greater ease.
  With the aid of information and communication technology the campus provides,
  - Course-wise industry mentors and guest lectures by them
  - Faculty members pursue Coursera/NPTEL/MOOC courses
  - Laboratory-integrated theory courses are included in the curriculum to enhance the practical skills of the students
- Innovative pedagogical strategies to enhance teaching-learning process like problem-solving, case studies, project-based learning and peer-teaching.

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

Plan of Action	Achievements
Conduct pedagogy and training programmes for teaching faculty	One day training programme on 21-09-2013 was conducted 3 Days Induction Training Programme for new recruits was conducted between 22-08.2013-and 24-08-2013 One day programme for non-teaching staff was conducted on 20-12-2013
To impart atleast 40 hrs of Soft skills and Placement training programmes for the 2nd and 3rd year students	Soft Skill training for 2nd and 3rd year students by internal faculty Soft Skill training for 3rd year students by experts from " Smart Solution for Success"
Conduct a national conference, seminars and guest lectures	A total of 49 Seminars &Guest lectures were conducted in this academic year
Enhance the teaching- learning process by introducing 'Outcome-based Education' for all programmes as per NBA requirements for the current regulation.	A series of training session was conducted for all faculty and COs, PEOs and POs were framed.
Improve R&D Activities through paper publications, continuing education, MOU with industries, students internship, patents, consultancy and testing services	Papers published : 96 Nos. Patents filed: 5 MoUs signed: 11 Nos. Revenue through research projects, consultancy and testing: 128.84 Lakhs
To organize one International conference by departments every two years	An International Conference was conducted by the department of EEE.
To organize a State-level cultural or promotional	SONAUTSAV was conducted

event, by the college "Fine arts Club".	
To be within first five rank of A.U. – Coimbatore sports meet	Won Zone Level Overall Championship Winners with 440 points in the Anna University Sports Board Chennai, Zone VIII (Salem-II) Sports and Games for 2013-14.

7.3 Give two Best Practices of the institution

- Online Performance Appraisal System: All the faculty members will feed their self appraisal data into online Management Information System software which will be used for the annual performance appraisal.

- Students were trained to enact skit and it was video graphed. Prizes were given to the best skits. Students were given training in singing English songs so that they can learn new words and proper pronunciation, and become fluent in speaking in English

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
   - Dense Plantation and Landscaping on the campus
   - Hazardous waste management
   - Installation for solar-energy windmill
   - Bio-gas plant installed in the hostel premises
   - Eco-friendly paper used for documentation
   - R-and-D focusing on preserving the environment

7.5 Whether environmental audit was conducted?   ✓ Yes   No

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

- **Ranked 5th** by OUTLOOK 2014 among Best Private Engineering Colleges in Tamil Nadu
- **Ranked 40th** by OUTLOOK 2014 among Best Engineering Colleges in India for consistency performance and academic excellence for the past 3 years
- **Ranked 7th** by THE WEEK 2014 among Top Private Engineering Colleges in Tamil Nadu
- **Ranked 46** by THE WEEK 2014 among Top 75 Private Engineering Colleges in India
- **Ranked 5th** by COMPETITION SUCCESS REVIEW 2014 among Top Private Engineering Colleges in Tamil Nadu and **Ranked 18** in India
- **Rated AAA by CAREERS 360 2014** in Top Engineering Colleges of India
- **Ranked 6th by DATAQUEST 2014** among top private T-Schools in Tamil Nadu
- **Ranked 45th by DATAQUEST 2014** in Top T-Schools in India
- **Ranked 7th by SILICON INDIA 2014** among Top 12 Engineering Colleges in South India
- **Ranked 4th by SILICON INDIA 2014** among Top Private Engineering Colleges in Tamil Nadu
- **Ranked 21** by **HIGHER EDUCATION REVIEW 2014** among Top 50 Private Engineering Colleges in India
- **Ranked One CAREERCONNECT 2014 among 40 Top** Engineering Colleges in India
- **NAAC 'A' Grade** accreditation
- **ISO** certified
- **2f &12B** approval from UGC
- Opportunities are given to students to enrol themselves in different Club activities: Sports Club, Tamil Mandram, GD-Aptitude-EQ-and-IQ Club, The English Club, Photography Club, Science Club, Tremors Club, Sona Programming Club, Dexter's Club, etc.

8. **Plans of institution for next year**

- Achieve a revenue generation to the tune of Rs.1 Crore through R-and-D, continuing education, industrial consultancy and testing services.
- To introduce innovative Students centric learning initiatives

Name : *Prof. A. Velusamy*, IQAC Coordinator,
Sona College of Technology, Salem

Name : Dr. C. V. Koushik, Principal
Sona College of Technology, Salem

_____

_____

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

Annexure I

Academic Calendar (2013-2014)

TENTATIVE EVENTS COLLEGE LEVEL 2013-2014

June 13
IV   Week   Formation of Departmental Technical Associations

July 13
III Week   Formation of all Students Club

August 13
I   Week   Inauguration of Students Clubs
III Week   Fresher's Day

September 13
II   Week   Staff Awards Day

January 14
III Week   Management Scholarship Day
26th   Republic Day

March 14
8th   International Women's Day
III Week   Sports Day
                         Graduation Day
                         Annual Day
                         Cultural Day
                         Hostel Day

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DEPARTMENT OF MECHANICAL ENGINEERING

July 13
III   Week   SAE Club Activities

August 13
II   Week   Inauguration of Mechanical Engineering Association
IV   Week   Guest Lecture for Second & Third year students

September 13
II   Week   Guest Lecture- II for students
III   Week   Industrial Visit
IV   Week   SAE Events- Guest lecture - I
                        MECHSPARK 2012

October 13
I   Week   SAE TREK
II   Week   SAE Factory Visit

November 13
II   Week   MECHTRIX 2012

December 13
III   Week   Faculty Development Programme

January 14
III   Week   Guest Lecture – III for students
IV   Week   Guest Lecture- IV for students

February 14
III   Week   SAE Factory Visit

March 14
I   Week   MASS – A National Level Technical Symposium

April 14
I   Week   SAE Events- Guest lecture - II

May 14
III   Week   Faculty Development Programme

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.

July 13

IV	Week	IEEE Student Chapter Inauguration

August 13

I	Week	EEE Association Inauguration
III	Week	EEE Association guest lecture

September 13

I	Week	EEE Association guest lecture
		Two-day workshop on power engineering
II	Week	IEEE inter-departmental symposium.
III	Week	EEE Association guest lecture

October 13

I	Week	IEEE guest lecture

February 14

I	Week	IEEE guest lecture
II	Week	National level conference
		EEE Association guest lecture

March14

I	Week	IEEE Student Chapter Symposium
		EEE Association guest lecture
II	Week	EEE Dept National level student symposium
III	Week	EEE Association guest lecture
IV	Week	EEE association guest lecture and valedictory function

May 14

I	Week	FDP programme for EEE faculty

June 13

I	Week	Workshop
IV	Week	Workshop

July 13

II	Week	Workshop
III	Week	Seminar
IV	Week	Guest Lecture

August 13

1	Week	Association Inauguration/Seminar
II	Week	Workshop
IV	Week	Symposium

September 13

II	Week	Workshop
III	Week	Seminar

October 13

II	Week	Seminar
III	Week	Guest Lecture

November 13

II	Week	Workshop
III	Week	Guest Lecture

January 14

II	Week	Seminar
III	Week	Guest Lecture

February 14

II	Week	Guest Lecture
III	Week	Workshop
IV	Week	Technical Event

March14

II	Week	Farewell

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

June 13

I	Week	II Year PG Project Review
II	Week	I Year PG University Practical Examinations
III	Week	Final Viva voce for M.E(CSE) & M.E(SE)

July 13

| II | Week | Class committee meeting for III & IV Year |
| III | Week | Mini Project Zero review |

August 13

II	Week	Class committee meeting for II Year
		Mini Project 1st review
IV	Week	PG Project – Zero review

September 13

I	Week	Class committee meeting for III & IV Year
II	Week	Parents Meet - III & IV Year
III	Week	Inauguration of Association activities
IV	Week	Parents Meet – II Year & Mini Project 2nd review

October 13

I	Week	First Project review for PG
		Placement training commences
II	Week	Workshop I , Mini Project 3rd review
III	Week	Class committee meeting for II year, Guest Lecture I
IV	Week	Software Exhibition

November 13

I	Week	Second Project review for PG
III	Week	Guest Lecture II, Class committee meeting for II year
IV	Week	Guest Lecture III

December 13

| I | Week | Class committee meeting for III and IV Year |
| | | Third Project review for PG |

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

January 14

| III | Week | PG Phase I review |
| IV | Week | Guest Lecture V, Workshop, Seminar |

February 14

II	Week	UG Project Review - Zero
III	Week	Class committee meeting for III and IV Year Mini Project Zero review
IV	Week	Guest Lecture IV

March 14

I	Week	First Project review for UG, Threads '2014
II	Week	Guest Lecture V, Mini Project 1st review
III	Week	Workshop II
IV	Week	Class committee meeting for II Year

April 14

I	Week	First Project review Phase II - PG
II	Week	Mini Project 2nd review
III	Week	Second Project review for UG and PG
IV	Week	Class committee meeting for III and IV Year, Association and Valedictory function

May 14

| I | Week | NAC-CISS'2014 |
| II | Week | Mini Project 3rd review |

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DEPARTMENT OF INFORMATION TECHNOLOGY

August 13
I	Week	Association Inauguration
III	Week	Guest Lecture, IEI National Seminar
IV	Week	Software Exhibition

September 13
II	Week	Intra-departmental Symposium
III	Week	Guest Lecture

October 13
II	Week	Guest Lecture

November 13
III	Week	Guest Lecture

December 13
II	Week	3 - day Workshop
III	Week	Guest Lecture

January 14
IV	Week	Guest Lecture

February 14
II	Week	Conference
III	Week	Guest Lecture

March 14
I	Week	Symposium
III	Week	Guest Lecture
IV	Week	Awards Day

DEPARTMENT OF CIVIL ENGINEERING

August 13
I   Week   Guest Lecture – I
IV   Week   National Conference

September 13
III Week   Workshop

October 13
II   Week   Guest Lecture – II
III Week   Intra-Dept. Symposium

November 13
III Week   Guest Lecture – III

February 14
II   Week   Guest Lecture – I
IV   Week   National Level Seminar

March 14
I   Week   Student Symposium & Project Exhibition
II   Week   Guest Lecture – II

March 14
I   Week   Guest Lecture - III

DEPARTMENT OF FASHION TECHNOLOGY

July 13
III	Week	Special placement Training
IV	Week	Project work - Phase I – 1st Review

August 13
II	Week	Parents – Teachers Meeting – Semester 3,5 and 7
III	Week	Industrial visit – Semester 3,5and 7
IV	Week	Project work Phase – I – 2nd Review

September 13
II	Week	SONA SARTORIA – 2013 Inter- college student symp. National Seminar
IV	Week	Project work- Phase I – 3rd Review Guest lecture

October 13
II	Week	Guest lecture

January 14
IV	Week	Industrial visit – Semester 4 and 6, Final-year Placement Training, Project work - Phase II – 1st Review

February 14
I	Week	Guest Lecture

March 14
I	Week	Project work- Phase II – 2nd Review
II	Week	Training programme on Social Accountability- Guest Lecture
III	Week	Project work- Phase II – 3rd Review, Training programme for Women Development, Guest Lecture

April 14
III	Week	Project work - Phase II – Final Review
IV	Week	Guest Lecture, SONAFTA-2013: Valediction cum Student Awards Day

DEPARTMENT OF FASHION TECHNOLOGY

April 14

I/III Week May onwards	In-plant Training for 2nd and 3rd year students
I Week May to I Week June	Staff Training

DEPARTMENT OF MANAGEMENT STUDIES

June 13
I   Week   Model Exam
II   Week   Lab Practical & Community Development
III & IV Week   II nd Semester Theory Examination

July 13
I   Week   Summer Internship Project - Starts

August 13
II   Week   Reopening of III Semester, Soft skill Club Inauguration
III Week   Orientation of Club Activities, Guest Lecture - Finance
                       Production Students Industrial Visit, Opening of I Semester
IV   Week   Guest Lecture – Marketing, HR Club Inauguration

September 13
I   Week   Executive Interaction Programme - HR
                       Finance Club Activity
                       Summer Internship Viva Voce – III Semester
                       Guest Lecture for I MBA, Movie Review
II   Week   Production Workshop, Guest Lecture – HR
III Week   CIE Test – I (I & III Semester)
                       Outbound Training – III Semester
IV   Week   Marketing Seminar, Guest Lecture on ICT

October 13
I   Week   Guest Lecture - Finance
II   Week   Guest Lecture - Marketing
III Week   Guest Lecture - Production, Guest Lecture - Marketing
                       Business Plan Competition - Finance, Guest Lecture
                       Just a Minute Competition
IV   Week   CIE Test – II (I & III Semester), Production Quiz
                       Quiz on Recent Trends in Technology

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November 13

I	Week	Finance Conclave
II	Week	Group Discussion, Executive Interaction Program - HR
III	Week	Mock Interview, Technology Exhibit, CIE Test – III (I & III Semester)
IV	Week	Competition

December 13

I	Week	HR Conclave, FDP - Finance, Intra Collegiate Competition, Campus Walk
II	Week	Awareness Program for Technology in Business
III	Week	Last Working Day (I & III Semester)
IV	Week	Practical Examination (I Semester) Managerial Skill Development – Practical (III Semester)

January 14

I	Week	Project Work (IV Semester) - Start
I & II Week		Semester Exam for I Semester
IV	Week	II Semester Reopening

February 14

II	Week	Conference on "Inclusive Banking"- Finance Guest Lecture – II Semester
III	Week	Industrial Visit for II Semester
IV	Week	CIE Test – I (II Semester)

March 14

I	Week	Public Awareness Programme "Budget" (Finance)
II	Week	Orientation Program for choosing Specialization (II Semester)
III	Week	Industrial Visit for II Semester
IV	Week	Guest Lecture – II Semester

DEPARTMENT OF MANAGEMENT STUDIES

April 14

I	Week	CIE Test – II (II Semester)
II	Week	Last working day for Project (IV Semester)
III	Week	Industrial Visit for II Semester
IV	Week	Guest Lecture – II Semester

May 14

I	Week	Model Exam (II Semester)
II	Week	Viva Voce for Project (IV Semester)
III	Week	Last Working Day (II Semester)
IV	Week	Practical Examination (II Semester)

MASTER OF COMPUTER APPLICATIONS

June 13
I   Week   Guest Lecture on" ASP & Oracle"

July 13
I   Week   8th Industry Institute Interaction
IV   Week   General Board Meeting with Student Representatives & Industry persons

August 13
I   Week   One day National Workshop on "Importance of Soft Skills"
III Week   Guest Lecture on "Attaining Proficiency in Campus Interview"
IV   Week   Orientation Programme for 1st year MCA Students & Fresher's Day

September 13
I   Week   Orientation Programme for 1st year MCA Students
II   Week   Guest invites on "Placement Views by our Alumni"
III Week   "Interview Day" by Industry Guest (Technical & HR)
IV   Week   Week of Innovation and Human Capital

October 13
I   Week   Guest Lecture on "Net Beans"
II   Week   Sponsored Workshop in area of computing

November 13
I   Week   Guest Lecture on "Why should not be over confident"

January 14
I   Week   Guest Lecture on Interview Skills
II   Week   Sponsored Seminar on "Research Trends in computing and Communication"

February 14
I   Week   Alumni Day

March 14
II   Week   National Conference, National Symposium "CYBERTALK 14"

April 14
II   Week   Guest Lecture on "Industry and HR Perspective"
III Week   Valedictory for MCA Association

ELECTRONICS AND COMMUNICATION - PG

July 13
III   Week   Advanced Design Systems - Workshop

August 13
IV   Week   Mentor Graphics - Workshop

September 13
II   Week   Inauguration of ECE – PG Association

October 13
II   Week   Guest Lecture
3rd Week   LabVIEW - Workshop

November 13
II   Week   Guest Lecture

March 14
IV   Week   IcomET '14 - National Level Symposium

April 14
II   Week   Valedictory function of ECE – PG Association

DEPARTMENT OF SCIENCES

August 13

4th Week   Induction Programme - "Introduction of various facilities and clubs of Sona"

September 13

II/III Week   Motivation Program – I "Preparing for Engineering"

IV   Week   Orientation Program - I "Art of Mind Control"

October 13

II/III Week   Orientation Program - II "Soft Skills - Communication"

November 13

II/III Week   Orientation Program - II "Soft Skills – Time Management"

January 14

IV   Week   Motivation Program - II "How to prepare a paper for conference/seminar/symposium presentation"

February 14

II   Week   Workshop - I "Mind Management"

IV   Week   Orientation Program - III "Soft Skills - Personality"

February 14

II   Week   Orientation Program - IV "Soft Skills – Goal Setting"

Semester I   Certificate Program - I "Spoken English"

Semester II   Certificate Program - II "PowerPoint and Animation"

Semester I & II   Guest Lectures on Youth Day, Science Day, Health Day, ..

DEPARTMENT OF HUMANITIES AND LANGUAGES

July 13
I   Week   Workshop on "Item Writing"

September 13
II   Week   Workshop on "Communication Skills for All" for the first year
B.E. / B.Tech students

DEPARTMENT OF MATHEMATICS

July 13
I   Week   FDP for Mathematics Teachers

December 13
II   Week   Guest Lecture

February 14
III   Week   Guest Lecture

May 14
IV   Week   Bridge Course for Lateral Entry Students

Annexure II

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

- During the BOS meeting alumni gave their suggestions on framing the syllabus in order to bridge the industry and academia gap
- Excellent Academic Support extended by the faculty members
- Need to organize more group discussion to improve communication skills along with the technical training.
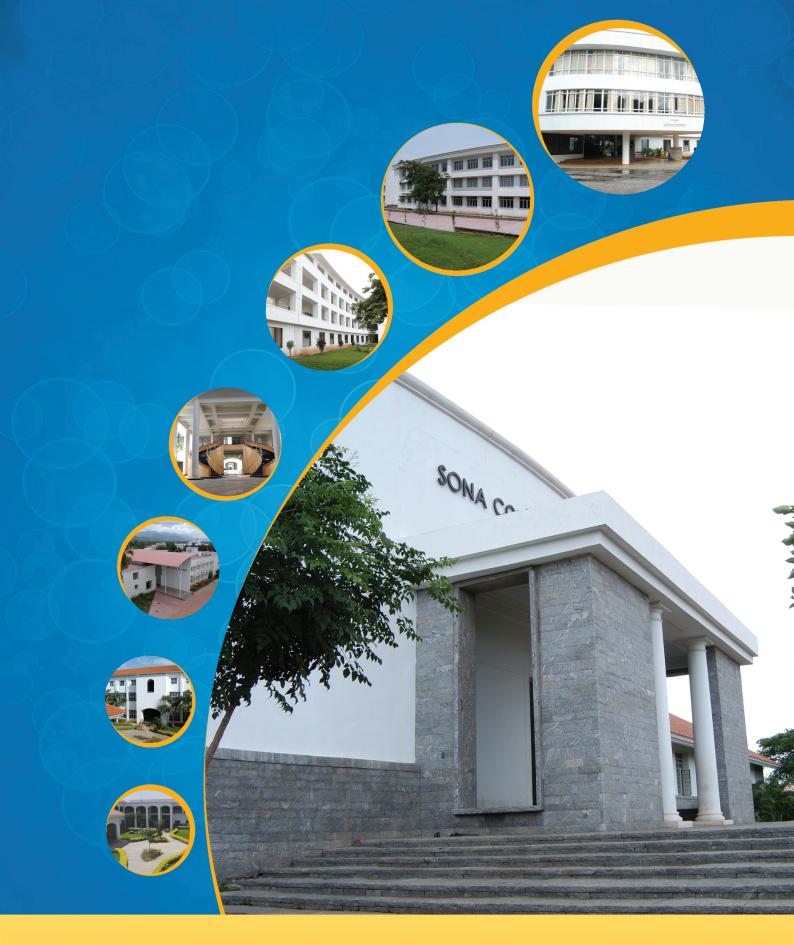
Employers

- The autonomous curriculum and syllabi are good. It will definitely meet the industrial requirements expected from the students
- Our graduates are good in communication and team work.
- The time management of our students is also good.

Parents

- Parents suggested having additional coaching classes especially for the lateral entry students to make them feel comfortable in subjects such as maths.
- Parents suggested having parents meet every year and they also appreciated the efforts taken by the class counsellors to guide their ward.

Students

- Majority of students expressed that the academic and research activities are good and they can also contribute a small part of the research work by their project works.
- Based on the students feedback the syllabus of the various subjects has been revised.

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