ANNUAL QUALITY ASSURANCE REPORT

2013-14

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

**(An Autonomous Institution, Affiliated to Anna University,
Chennai and Accredited with 'A' Grade by NAAC)**

**TIRUCHENGODE – 637215
NAMAKKAL DISTRICT, TAMIL NADU**

DECEMBER - 2014

CONTENTS

SL.NO.	PARTICULARS	PAGE NO.
1.	**PART – A**	
	Details of the Institution	3
	IQAC Composition and Activities	6
2.	**PART – B**	
	CRITERION I : Curricular Aspects	8
	CRITERION II : Teaching – Learning and Evaluation	9
	CRITERION III : Research, Consultancy and Extension	12
	CRITERION IV : Infrastructure and Learning Resources	16
	CRITERION V : Student Support and Progression	18
	CRITERION VI : Governance, Leadership and Management	21
	CRITERION VII : Innovations and Best Practices	26
3.	**ANNEXURE**	
	Annexure – I Academic Calendar	28
	Annexure – II Feedback From Stakeholders	29
	Annexure – II Best Practices	30

The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution

> K.S.Rangasamy College of Technology

1.2 Address Line 1

> K.S.R. Kalvi Nagar

Address Line 2

> Thokkavadi (PO)

City/Town

> Tiruchengode

State

> Tamil Nadu

Pin Code

> 637 215

Institution e-mail address

> principal@ksrct.ac.in

Contact Nos.

> 04288 - 274741, 274742, 274743, 274744

Name of the Head of the Institution:

> Dr. K.THYAGARAJAH

Tel. No. with STD Code:

> 04288 - 274748

Mobile:

> 96294 -22224

Name of the IQAC Co-ordinator:

> Dr.M.Vijayakumar & Mr.M.Christopher

Mobile:

> 9842052113, 9842775350

IQAC e-mail address:

> iqac@ksrct.ac.in

1.3 **NAAC Track ID**

(For ex. MHCOGN 18879)

-

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

EC/58/A&A/19 & 10-03-2012

1.5 Website address:

www.ksrct.ac.in

Web-link of the AQAR:

http://www.ksrct.ac.in/admin/upload/news/AQAR _Report(2013-2014).pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.21	2012	2017

1.7 Date of Establishment of IQAC   :

11.05.2012

1.8 AQAR for the year   :

2013-2014

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

   i. AQAR   : 29.04.2014

1.10 Institutional Status

   University   State ☐ Central ☐ Deemed ☐ Private ✓

   Affiliated College   Yes ✓ No ☐

   Constituent College   Yes ☐ No ✓

   Autonomous college of UGC   Yes ✓ No ☐

   Regulatory Agency approved Institution   Yes ✓ No ☐

Type of Institution   Co-education ☑ Men ☐ Women ☐

Urban ☐ Rural ☑ Tribal ☐

Financial Status   Grant-in-aid ☐ UGC 2(f) ☑ UGC 12B ☑

Grant-in-aid + Self Financing ☐ Totally Self-financing ☑

1.11 Type of Faculty/Programme

Arts ☐   Science ☐ Commerce ☐ Law ☐   PEI (Phys Edu) ☐

TEI (Edu) ☐ Engineering ☑ Health Science ☐   Management ☑

Others (Specify) | .   NIL |

1.12 Name of the Affiliating University *(for the Colleges)* | .   Anna University, Chennai |

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

Autonomy by State/Central Govt. / University | UGC & University |

University with Potential for Excellence | - | UGC-CPE | - |

DST Star Scheme | - | UGC-CE | - |

UGC-Special Assistance Programme | - | DST-FIST | Applied |

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

UGC-COP Programmes | - |

2. IQAC Composition and Activities

2.1 No. of Teachers | 50

2.2 No. of Administrative/Technical staff | 02

2.3 No. of students | 12

2.4 No. of Management representatives | 02

2.5 No. of Alumni | 12

2. 6 No. of any other stakeholder and
   Community representatives | 03

2.7 No. of Employers/ Industrialists | 03

2.8 No. of other External Experts | 03

2.9 Total No. of members | 87

2.10 No. of IQAC meetings held | 01

2.11 No. of meetings with various stakeholders: No. | 01   Faculty | 01

Non-Teaching Staff Students | 01   Alumni | 01   Others | 01

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

If yes, mention the amount | Nil

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 1   International | -   National | -   State | -   Institution Level | 1

(ii) Themes | Outcome Based Education

2.14 Significant Activities and contributions made by IQAC

- Quality Awareness Workshop Organized
- Overall result of the institution improved
- Number of research projects increased
- Number of publications by the faculty improved
- Faculty turnover ratio is below 10%

2.15 Plan of Action by IQAC/Outcome

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

Plan of Action	Achievements
To initiate activities to encourage faculty to take up minor and major research projects	Number of Projects Sanctioned : 04 Number of Projects Submitted : 47
To promote research publications	International Journal : 261 National Journal : 25 International Conferences : 238 National Conferences : 92 Books Published : 09
To conduct national seminars and workshops to facilitate academic growth of faculty and students	National Level : 12 Institutional Level : 01
To use ICT in teaching and learning	• Automation of academic activities • Maintenance of faculty profile • On-line course content development • Knowledge sharing through Moodle Software

Attach the Academic Calendar of the year as Annexure.

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 IQAC meets once in six month and discusses various matters relating to curriculum changes and developments to the current needs.
- ❖ It reviews the progress made on the proposals made in the previous meetings.
- ❖ The outcomes are recorded for improving the quality assurance system.

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	14	-	14	-
PG	14	-	14	-
UG	11	-	11	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	39	-	39	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

Pattern	Number of programmes
Semester	25
Trimester	Nil
Annual	Nil

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

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

Please provide an analysis of the feedback in the Annexure

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

> ❖ Discussions with subject experts, feedback from the current students, inputs from the Alumni and suggestions from Industrialists and Corporate are taken into consideration for reviewing the existing programmes.
>
> ❖ All courses have undergone syllabus revision whenever required.
>
> ❖ Syllabus revision held in 2008, 2010, and 2014

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

> No

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
429	277	96	56	-

2.2 No. of permanent faculty with Ph.D.

72

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
50	50	-	-	-	-	-	-	50	50

2.4 No. of Guest and Visiting faculty and Temporary faculty

-		-		-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	170	-	-
Presented papers	27	18	-
Resource Persons	10	40	-

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

Outcome Based Education (OBE)
Online courses using Moodle
One Credit Course
Students Internship Programme

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

180

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

❖ Assignments and tutorials are emphasised. (open book and online test)

❖ Weightage for assignments, tutorials and attendance in internal assessment.

❖ Question paper pattern is changed to improve the learning process

❖ Course-wise experts are appointed for evaluation

❖ End Semester Question Paper are generated from question bank through software

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

| 134 | 134 | 134 |

2.10 Average percentage of attendance of students | 88 |

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E. MECH	150	9.33	71.33	4.07	Nil	88.00
B.E. EEE	142	16.20	74.65	2.82	Nil	94.37
B.E. ECE	134	9.00	74	5.00	Nil	93.28
B.E. CSE	137	16.06	70.07	0.73	Nil	88.32
B.E. MCT	141	10.64	70.93	4.26	Nil	87.86
B.E. CE	144	18.06	65.97	Nil	Nil	95.14
B.E. EIE	70	10.00	77.14	Nil	Nil	91.43
B. Tech. IT	141	16.31	66.67	2.13	Nil	90.07
B. Tech. TT	69	8.70	53.62	Nil	Nil	75.36
B. Tech. BT	54	5.56	75.92	Nil	Nil	92.59
B.Sc.(CT)	55	14.55	81.82	1.82	Nil	96.36
B.Sc. (IT)	56	10.71	64.29	Nil	Nil	94.64
M.E. (ED)	17	5.88	76.47	Nil	Nil	88.24
M.E. (CAD)	17	5.88	88.23	Nil	Nil	100
M.E. (PED)	17	17.64	82.35	Nil	Nil	100
M.E. (VLSI)	18	Nil	88.89	11.11	Nil	100
M.E. (CSE)	26	19.23	80.77	Nil	Nil	100
M.E. (ISE)	24	20.83	79.20	Nil	Nil	100
M.E. (PSE)	17	5.88	88.23	Nil	Nil	100
M.E. (SE)	18	22.22	72.22	Nil	Nil	100
M. Tech (NST)	18	22.22	77.78	Nil	Nil	100
M. Tech (IT)	20	25.00	70.00	5.00	Nil	100
MBA	154	1.30	77.27	11.04	Nil	100
MCA	159	9.43	88.05	0.63	Nil	100
M.Sc. (IT)	48	16.67	77.08	Nil	Nil	100

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

The IQAC of the institution monitors and evaluates the Teaching & Learning processes by way of conducting periodical meetings. The outcomes of various proposals are recorded for improving the system of quality of education. It also decides on the measures to be taken to improve and sustain the quality of education.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	42
Staff training conducted by other institutions	95
Summer / Winter schools, Workshops, etc.	53
Others	19

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	129	NIL	6	NIL
Technical Staff	116	NIL	11	NIL

3. Research, Consultancy and Extension

3.3. Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

> ❖ The IQAC meets regularly to discuss various plans to promote research climate and motivate the faculty for academic advancement.
>
> ❖ It tracks the schemes of the UGC and other agencies like AICTE, CSIR, DST, ICSSR etc. for getting funded projects
>
> ❖ The IQAC of the institution encourages the staff members to undertake major and minor research projects and to organize seminars, workshops and conferences, etc.
>
> ❖ The staff and students are informed about the various fellowships available and they are encouraged to apply for the same.

3.4. Details regarding major projects

	Completed	**Ongoing**	**Sanctioned**	**Submitted**
Number	25	5	4	35
Outlay in Rs. Lakhs `	302.07	82.8	37.56	533.97

3.5. Details regarding minor projects

	Completed	**Ongoing**	**Sanctioned**	**Submitted**
Number	04	01	-	12
Outlay in Rs. Lakhs `	30,000	-	-	1,40,6640

3.6. Details on research publications

	International	**National**	**Others**
Peer Review Journals	180	16	-
Non-Peer Review Journals	62	04	-
e-Journals	19	05	-
Conference proceedings	238	88	04

3.7. Details on Impact factor of publications:

Range | 0.12 – 5.12 | Average | 2 | h-index | 19 | Nos. in SCOPUS | 120 |

3.8. 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 (lakhs) `	Received `
Major projects	3	AICTE, BRNS	35.46	24.52
Minor Projects	2	CSI,TNSCST	0.32	0.32
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify) International Conference	2013-2014	-	0.05	0.05
		Total	35.83	24.89

3.9. No. of books published   i) With ISBN No. | 07 | Chapters in Edited Books | - |

ii) Without ISBN No. | 02 |

3.10. No. of University Departments receiving funds from

UGC-SAP | - | CAS | - | DST-FIST | - |

DPE | - | DBT Scheme/funds | - |

3.9 For colleges   Autonomy | ✓ | CPE | - | DBT Star Scheme | - |

INSPIRE | ✓ | CE | - | Any Other (specify) | - |

3.10 Revenue generated through consultancy | 5, 05,000 |

3.11 No. of conferences Organized by the institution

Level	International	National	State	University	College
Number	01	12	-	-	-
Sponsoring agencies	IEEE	AICTE KSRCT	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons | 50 |

3.13 No. of collaborations   International [5]   National [20]   Any other [ ]

3.14 No. of linkages created during this year   [10]

3.15 Total budget for research for current year in lakhs (`):

From funding agency [24.89]   Management of University/College [10]

   Total [34.89]

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	04
	Granted	01
International	Applied	06
	Granted	04
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
05	-	04	01	-	-	-

3.18 No. of faculty from the Institution   [62]
   Who are Ph. D. Guides
   and students registered under them   [08]

3.19 No. of Ph.D. awarded by faculty from the Institution   [29]

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

   JRF [08]   SRF [08]   Project Fellows [04]   Any other [02]

3.21 No. of students Participated in NSS events:

   University level [50]   State level [-]
   National level [90]   International level [-]

3.22 No. of students participated in NCC events:

   University level [62]   State level [03]
   National level [14]   International level [-]

3.23 No. of Awards won in NSS:

   University level [-]   State level [01]
   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 [16]

NCC [2] NSS [17] Any other [01]

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

- ❖ The college encourages the faculty and students to take up various social related activities viz., blood donation and AIDS awareness.
- ❖ Apart from the regular work, a number of faculty and students actively take part in various social activities through NSS, NCC, YRC, RRC, Blood Donors Club and Alumni Association.
- ❖ The college ensures the involvement of the staff and students in its outreach activities such as Blood Donation camps, HIV-AIDS Awareness, Road Safety Awareness, Rain Water Harvesting Awareness, Anti-Tobacco Awareness, and contributes to the community development through various co-curricular forums and the Alumni association.
- ❖ Parents and Alumni offer constructive suggestions regarding outreach programmes.
- ❖ The college conducted two exhibitions cum sale for products of Self Help Group members.
- ❖ Creating interest on young generation in basic sciences by organizing INSPIRE.

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	28.05 Acres	-	-	28.05 Acres
Class rooms	188	-	-	188
Laboratories	137	11	-	148
Seminar Halls	14	02	-	16
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	164	175	Institution	339
Value of the equipment purchased during the year (`. in Lakhs)	7811.66	271.19	Institution	8082.86
Others	-	-	-	-

4.2 Computerization of administration and library

- ❖ KSRCTCMS – College Management System
- ❖ KSRCTLMS – Library Management System
- ❖ Use of OPAC software in library
- ❖ Computerised result processing of examinations
- ❖ Computerized Question Paper selection

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value `	No.	Value `
Text Books	78049	15560650	6243	2638865	84292	18199515
Reference Books	3720	3162000	200	250000	3920	3412000
e-Books	2063	177035	2063	212550	2063	212550
Journals	303	756663	300	625559	300	625559
e-Journals	8248	2488170	8248	2377168	8248	2377168
Digital Database	218	100000	314	-	532	100000
CD & Video	4790	-	778	-	5568	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1935	1170	30 mpbs	180	379	55	151	-
Added	-	-	10 mpbs	-	-	-	-	-
Total	1935	1170	40 mpbs	180	379	55	151	-

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

- ❖ The faculty members and students of the college are provided with computer, internet, audio-visual aids and computer aided packages to facilitate teaching, learning and e-governance.
- ❖ The Library has been computerised all its housekeeping operations using in-house development library software that is well maintained and updated regularly. NPTEL video and web courses are also available. It uses the state-of-the-art technology in its function and services.

4.6 Amount spent on maintenance in lakhs (`):

i) ICT — 13.73

ii) Campus Infrastructure and facilities — 996.68

iii) Equipments — 254.78

iv) Others — 1173.87

Total: 1913.80

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> ❖ Student members of the IQAC are encouraged to come out with their views and suggestions for the enhancement of quality of the institution.
> ❖ IQAC provides information about various Student Support Services available at the institution and other levels

5.2 Efforts made by the institution for tracking the progression

> • The institution monitors and ensures the achievements of the learning outcome through analysis of the tests, examination results and the pass percentage arrived at in the Result Passing Board Meeting.
> • Separate cell is formed to monitor, counsel and coach the academically weak students.
> • The institute monitors the attainment of COs, POs and PEOs.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
5034	1082	04	-

(b) No. of students outside the state

UG - 36
PG - 09

(c) No. of international students

-

Men	No	%		Women	No	%	
	4035	65.9			2081	34.1	= 6116

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
277	575	09	5174	02	6037	235	612	14	5285	-	6116

Demand ratio: 1:1   Dropout %: 0.3%

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

> The institute offers coaching classes for GATE, GRE, TOFEL, TNPSC, UPSC and TANCET exams.

No. of students beneficiaries   59

5.5 No. of students qualified in these examinations

| NET | - | SET/SLET | - | GATE | 41 | CAT | 03 |
| IAS/IPS etc | - | State PSC | - | UPSC | - | Others | 15 |

5.6 Details of student counselling and career guidance

Counselling

❖ The students are counselled for absenteeism, poor performance and indisciplinary activities.

Career Guidance

Career guidance is provided to students on higher studies and placement

No. of students benefitted   53

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
95	1214	452	250

5.8 Details of gender sensitization programmes

❖ The Women Empowerment Cell conducted four programmes on various issues relating to gender problems.

❖ Professional counsellors are invited to conduct programmes for women staff and students

❖ The cell works under a faculty in charge. It has representation from staff and students and conducts lectures and seminars to create awareness about gender equality.

❖ Professional counselling is also provided to girl students whenever required.

5.9 Students Activities

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

State/ University level   7   National level   3   International level   -

No. of students participated in cultural events

State/ University level [10]   National level [10]   International level [-]

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

Sports: State/ University level [40]   National level [2]   International level [-]

Cultural: State/ University level [-]   National level [-]   International level [-]

5.10 Scholarships and Financial Support

	Number of students	Amount `
Financial support from institution	13	2,60,000
Financial support from government	2616	33,86,2475
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11   Student organised / initiatives

Fairs   : State/ University level [-]   National level [-]   International level [-]

Exhibition: State/ University level [02]   National level [-]   International level [-]

5.12   No. of social initiatives undertaken by the students   [05]

5.13 Major grievances of students (if any) redressed: NIL

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision: To produce the most competent Scientists, Engineers, Technologists, Entrepreneurs, Managers and Researchers through quality Education.

Mission: To achieve academic excellence in Science, Engineering, Technology, Management and Research through objective and innovative teaching methods; dedicated and duty conscious faculty; continual and consistent updation of facilities; welfare and quality improvement of the faculty and a system of continual process improvement.

6.2 Does the Institution has a management Information System

Yes

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

6.3.1 Curriculum Development

The Board of Studies meetings are conducted every year. The ideas obtained from the various experts are thoroughly discussed and incorporated in the curriculum. Besides industry requirements are also considered while framing the curriculum. Outcome Based Education (OBE) system is taken into consideration

6.3.2 Teaching and Learning

- Learning in all courses is made more student-centric. The ICT enabled Learning is given priority in teaching and learning methods.
- The college creates a culture of instilling and nurturing creativity and temper among the learners through various academic activities.
- It has a feedback mechanism to evaluate the teachers and the feedback is reviewed once in six months.

6.3.3 Examination and Evaluation

- ❖ Assignments and tutorials are emphasised.
- ❖ Weightage for assignments, tutorials and attendance in internal assessment.
- ❖ Question paper pattern is changed to improve the learning process
- ❖ Course-wise experts are appointed for evaluation

6.3.4 Research and Development

The institute offers Incentives for journal publication, Conferences participation, funded projects and consultancy.

6.3.5 Library, ICT and physical infrastructure / instrumentation

- ❖ Opportunities for interdisciplinary research
- ❖ Providing the state of art facilities for R&D
- ❖ The budget for library is increased year on year

6.3.6 Human Resource Management

- The institution has sincere, dedicated and committed faculty and Visionary management.
- Staff members have the opportunity to pursue part-time PhD and ME course.
- Besides Various workshops and training programs are organised through HRD Cell for the benefit of staff members.
- Deputation of faculty for FDPs, Conferences and Workshops.

6.3.7 Faculty and Staff recruitment

- Assessment of Faculty Requirement
    - o AICTE Norms
    - o New Programmes/New Courses Introduced
    - o Qualified faculty to enhance R&D Activities
- Process
    - o Advertisement in leading Dailies
    - o Scrutiny of Resume and calling for Interview based on
        - ▪ Qualification
        - ▪ Experience
    - o Constitution of Selection Panel
        - ▪ Chairman
        - ▪ Principal
        - ▪ Subject Expert(s)
        - ▪ HOD
    - o Personal Interview
    - o Issue of appointment order

6.3.8 Industry Interaction / Collaboration

The college has collaboration with CII, MMA and with a number of industries where the students undertake industrial visits, projects and undergo industrial training.

6.3.9 Admission of Students

- Admission of students to various courses is based on merit and is transparent.
- Efforts are made to ensure that all students seeking admission to the various courses stay informed through different modes of publicity.
- The college has developed its own website for the convenience of students seeking admission to the college.

Course	Govt. Quota	Management Quota
UG	65%	35%
PG	50%	50%

.Quota Wise Reservation and Eligibility Criteria

Category	% of Reservation	% in Qualifying Examinations
OC	31	50
BC	30	45
MBC	20	40
SC/ST	19	40

6.4 Welfare schemes for

Teaching	Group Insurance schemes, Hospital and Ambulance, transport facility, vacation, maternity leave and PF facilities
Non teaching	Group Insurance schemes, Hospital and Ambulance, transport facility, vacation, maternity leave and PF facilities
Students	Group Insurance schemes, Hospital and Ambulance and transport facilities

6.5 Total corpus fund generated   150 crores

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

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	UGC, AICTE, ISO-TUV, NBA, NAAC	Yes	Academic Review Committee, IQAC
Administrative	Yes	-	Yes	Various Committees

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

For UG Programmes   Yes   ✓   No ☐

For PG Programmes   Yes   ✓   No ☐

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

- ❖ Assignments and tutorials are emphasised.
- ❖ Weightage for assignments, tutorials and attendance in internal assessment.
- ❖ Question paper pattern is changed to improve the learning process
- ❖ Course-wise experts are appointed for evaluation
- ❖ End Semester Question Paper are generated from question bank through software

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

The University nominates members for Board of Studies, Academic Council, Governing Body and Result Passing Board.

6.11 Activities and support from the Alumni Association

- The Alumni contributes various services to the institution in general and to the students opting for higher studies and getting employment in particular.
- Every year alumni meet is organised by the departments.
- Alumni album is created and distributed to all the outgoing students.

6.12 Activities and support from the Parent – Teacher Association

Parents regularly express their valuable suggestions for the development of the students through Parents Meet and the suggestions are implemented.

6.13 Development programmes for support staff

- The institute conducts training programmes for technical and non teaching staff.
- Incentives are given on completion of training and certification courses.
- Technical staffs are encouraged to go for higher studies and certification courses.

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

- Energy Conservation
- Use of renewable energy
- Rain water harvesting
- Plantation
- Hazardous waste management
- Landscaping
- Sewage Treatment Plant

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

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

> - CTCMS – Computerised college management system wherein data can be retrieved easily.
> - Moodle: A knowledge sharing software system wherein the staff members are preparing and posting lecture notes and assignments online.
> - Assessment and Attainment of COs, POs and PEOs.

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

> IQAC planned the objectives for current year (2013-14) and its progress was monitored through action taken report from all concerned persons. In its meeting these action taken reports were discussed and correction was done appropriately whenever it was required

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

> The college follows a number of best practices and foremost among them are:
> - Outcome Based Education
> - Moodle software Knowledge sharing system
> - End Semester Question Paper are generated from question bank through software
> - One Credit Course

Refer Annexure III

7.4 Contribution to environmental awareness / protection

> - Energy Conservation
> - Use of renewable energy
> - Rain water harvesting
> - Plantation
> - Hazardous waste management
> - Landscaping

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

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

SWOT Analysis

SWOT analysis is done internally and Strengths and weaknesses identified are as follows:

Strengths

- ❖ Autonomous Institution
- ❖ Good staff student ratio
- ❖ 100% faculty involvement
- ❖ Residential campus
- ❖ Technology utilization
- ❖ Healthcare facilities
- ❖ Alumni

Weakness

- ❖ Students are from rural background
- ❖ Industry collaboration
- ❖ Student fellowships
- ❖ Interdisciplinary projects

Opportunity

- ❖ Curriculum development
- ❖ Faculty development programs
- ❖ New PG programs
- ❖ R&D and consultancy activities
- ❖ Employability of students in emerging core industries
- ❖ Funding from funding agencies

Threats

- ❖ Geographical location
- ❖ Competition among developing institutions

8. Plans of institution for next year

- ➢ Research Repository Implementation
- ➢ Technology Incubation Centre for Development of Entrepreneurs

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2. Mr.M.Christopher

Signature of the Coordinator, IQAC   Signature of the Chairperson, IQAC

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ACADEMIC CALENDAR 2013-2014

S.No	Details	Proposed Month
1.	IQAC Members Meeting	March 2014
1.	Academic Audit	After I and II Test
2.	Submission of funding proposal	September 2013 & February 2014
3.	Management Review Meeting	September 2013 & April 2014

ANNEXURE – II

FEEDBACK FROM STAKEHOLDERS

The college has formal and informal mechanisms to obtain feedback from Alumni, Parents, Students and Employers through various committees, associations, meetings, etc. as given below.

- Feedback from students is collected through online feedback system.
- Suggestions from employers are collected through periodical meetings.
- Feedback from Alumni is collected through video conferencing, personal meetings, alumni meet.
- Feedbacks from parents are collected through parents meet.
- The Students, Alumni and Employers are included as members of various bodies (Board of Studies/IQAC/Committees/Advisory Bodies).

Alumni Feedback

- ❖ 70% of the alumni are employed.
- ❖ The average salary of the alumni is `15000.
- ❖ 20% of the alumni have opted for higher studies.
- ❖ 60% of the alumni are able to use modern tools and technologies in their organisations.
- ❖ Alumni have suggested improvements in curriculum and content delivery.

Employer Feedback

- ❖ 75% of the alumni are occupying key positions in various organisations.
- ❖ Alumni are adoptable to diversified working team.
- ❖ Alumni are successful in new areas of professional development and adaptable to technological changes.
- ❖ Alumni are contributing towards organisational growth.

Parents Feedback

- ❖ Coaching classes for slow learners and academically weak students.
- ❖ Training programme for improving student's employability skills for placement.
- ❖ Improvement in core engineering placement
- ❖ Coaching classes for competitive examinations.
- ❖ Value added courses to improve placement.

Students Feedback

- ❖ Students are satisfied with institutional infrastructure.
- ❖ Students are satisfied with the content delivery, faculty approach and faculty expertise.
- ❖ Students are expecting more practical approach in teaching learning process
- ❖ Students are expecting more coaching classes for competitive examinations
- ❖ Students are expecting more core engineering placement.

BEST PRACTICES

(i) Outcome Based Education

Teaching and Learning Process – The desired outcome is selected first and the curriculum, instructional materials and assessments are created to support the intended outcome.

Curriculum and Planning – The learning outcomes are set out sequentially on a gradation of increasing complexity that students are expected to master.

Assessment Tools – OBE focuses on how much and how well the students have learnt

Implementing OBE

There are five *prongs* involved in implementing OBE

1. Vision and Mission of the Institution
2. Vision and Mission of the department
3. Listing and achieving Programme Educational Objectives (PEOs).
4. Listing and achieving Programme Outcomes (Pos)
5. Listing and achieving Course Outcomes (Cos)

(ii) Online Course using Moodles Software:

Moodle is a learning platform designed to provide educators, administrators and learners with a single robust, secure and integrated system to create personalised learning environments.

(iii) Computerised Question paper generating system:

Traditional method of test paper generation is time-consuming. In order to avoid this, the college has introduced a computerized question paper generating system wherein the the end semester Autonomous Question papers are generated through software from question bank.

(iv) One Credit course:

The students are offered one credit courses for additional learning in the contemporary areas and to meet the industry requirements.

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