

ANNUAL QUALITY ASSURANCE REPORT

2015-16

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**

JANUARY - 2017

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The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year (*for example 2013-14*)

2015-2016

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:

Mr.M.Christopher

Mobile:

9842775350

IQAC e-mail address:

iqac@ksrct.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

-

OR

1.4 NAAC Executive Committee No. & Date:

EC/58/A&A/19 dated 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\(2015-2016\).pdf](http://www.ksrct.ac.in/admin/upload/news/AQAR_Report(2015-2016).pdf)

1.6 Accreditation Details

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

1.7 Date of Establishment of IQAC

:

11/05/2012

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

i. AQAR

: 11/02/2015

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

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

UGC & 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

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	01	Students	01	Alumni
			Others	01

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. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- Overall result of the institution improved
- Placement of the institution improved
- Number of research projects increased
- Number of publications by the faculty improved
- Faculty turnover ratio is below 8%

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	12	-	12	-
PG	13	-	13	-
UG	11	-	11	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	36	-	36	-
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

Pattern	Number of programmes
Semester	24
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.

<ul style="list-style-type: none"> ❖ 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.

Nil

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	367	267	47	53	-

2.2 No. of permanent faculty with Ph.D. 94

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
	18	18	-	-	-	-	-	-	18	18

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	76	45	2
Presented papers	140	58	2
Resource Persons	3	18	2

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

Outcome Based Education (OBE)
 Online course material using Moodle
 One Credit Course
 Students Internship Programme
 Swapping of Course
 Choice Based Credit System
 Online Courses
 Industry based training for employments
 Real time application Industry Projects for Students

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

220

220

220

Restructuring/revision/syllabus development

as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

89

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	207	16.04	82.89	1.07	-	90.34
B.E. EEE	199	22.53	73.63	3.85	-	91.46
B.E. ECE	208	20.54	73.51	5.95	-	88.94
B.E. CSE	197	20.96	75.45	3.59	-	84.77
B.E. MCT	132	9.82	82.14	8.04	-	84.85
B.E. Civil	136	26.09	73.91	0.00	-	84.56
B.E. EIE	64	25.00	73.21	1.79	-	87.50
B. Tech. IT	98	18.89	75.56	5.56	-	91.84
B. Tech. TT	54	14.71	82.35	2.94	-	62.96
B. Tech. BT	59	11.11	87.04	1.85	-	91.53
M.E. (ED)	13	7.69	92.31	-	-	100.00
M.E. (CAD)	04	50.00	50.00	-	-	100.00
M.E. (PED)	06	33.33	66.67	-	-	100.00
M.E.(AE)	13	7.69	92.31	-	-	100.00
M.E. (VLSI)	14	14.29	85.71	-	-	100.00
M.E. (CSE)	21	47.62	52.38	-	-	100.00
M.E. (ISE)	22	22.73	77.27	-	-	100.00
M.E. (PPS)	20	60.00	35.00	5.00	-	100.00
M.E. (SE)	17	23.53	76.47	-	-	100.00
M. Tech (NST)	03	66.67	33.33	-	-	100.00
M. Tech (IT)	15	33.33	66.67	-	-	100.00
M. Tech (BT)	09	22.22	77.78	-	-	100.00
MBA	114	0.00	95.74	4.26	-	82.46
MCA	84	10.71	88.10	1.19	-	100.00

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

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	21
UGC – Faculty Improvement Programme	16
HRD programmes	45
Orientation programmes	8
Faculty exchange programme	-
Staff training conducted by the university	1
Staff training conducted by other institutions	32
Summer / Winter schools, Workshops, etc.	201
Others	20

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	106	NIL	NIL	NIL
Technical Staff	95	05	05	NIL

Criterion – III

3. Research, Consultancy and Extension

3.1 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 faculty 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.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	12	06	15
Outlay in Rs. Lakhs	-	128.28	112.81	351.17

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	03	-	06
Outlay in Rs. Lakhs	4.94	8.65	-	23.35

3.4. Details on research publications

	International	National	Others
Peer Review Journals	256	24	-
Non-Peer Review Journals	31	3	-
e-Journals	17	-	-
Conference proceedings	146	60	-

3.5. Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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 (lakhs) ₹	Received ₹
Major projects	2-5	UGC, New Delhi NTRF, Kolkata. SERB, New Delhi DST-Inspire, New Delhi. DST-Women Scientist Scheme, New Delhi AICTE	151.32	88,21,400
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	1 year	-	1.50	1,50,000
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	21st & 22nd September, 2015. (Members meet)	IEEE-EMBS MADRAS SECTION, CHENNAI	0.50	50,000
	5th January, 2016 (Distinguished lecture programme)	IEEE-EMBS New Jersey, USA	0.66	66,200
	28th – 30th December, 2015 (Popular lecture series programme)	DBT, New Delhi	1.25	1,25,000
	6th – 8th January, 2016. (Entrepreneurship Awareness Camp)	Entrepreneurship Development Institute of India, Gujarat	0.20	20,000
	16th & 17th February, 2016. (Workshop)	Indian National Science Academy, New Delhi	1.24	1,24,660
	26 – 27th April, 2016 (Members meet)	IEEE-EMBS MADRAS SECTION, CHENNAI	0.67	67,300
Total			157.35	94,24,560

3.7. No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8. No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9. For colleges Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10. Revenue generated through consultancy

3.11. No. of conferences Organized by the institution

Level	International	National	State	University	College
Number	2	4	-	-	-
Sponsoring agencies	5	4	-	-	8

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

3.13. No. of collaborations International National Any other

3.14. No. of linkages created during this year

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

From funding agency From Management of University/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	1
	Granted	-
International	Applied	7
	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
5	2	2	-	-	-	1

3.18 No. of faculty from the Institution

Who are Ph. D. Guides

38

and students registered under them

284

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

24

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

JRF

6

SRF

1

Project Fellows

3

Any other

-

3.21 No. of students Participated in NSS events:

University level

-

State level

25

National level

-

International level

-

3.22 No. of students participated in NCC events:

University level

09

State level

03

National level

03

International level

-

3.23 No. of Awards won in NSS:

University level

-

State level

-

National level

-

International level

-

3.24 No. of Awards won in NCC: University level

03

State level

01

National level

-

International level

-

3.25 No. of Extension activities organized

University forum

-

College forum

-

NCC

01

NSS

13

Any other

-

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, AIDS awareness, Safety day.
- ❖ 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, Dengue Awareness Programme, Clean India camp, Yoga and Meditation, Breast cancer Awareness and contributes to the community development through various co-curricular forums and the Alumni association. □
- ❖ 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.
- ❖ Two Entrepreneurship Development programmes were conducted.

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 (\geq 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 generation from Question Bank
❖ Course materials through moodles
❖ Online test for placement
❖ Information sharing through Email and SMS to parents
❖ Research Depository

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value ₹	No.	Value ₹	No.	Value ₹
Text Books	1152	2,36,028	5203	17,68,582	6355	20,04,610
Reference Books	39	1,48,158	278	4,30,742	317	5,78,900
e-Books	-	-	-	-	-	-
Journals	32	9,22,095	310	5,62,854	310	14,84,949
e-Journals	145	6,47,468	-	-	145	6,47,468
Digital Database	-	-	-	-	-	-
CD & Video	71	-	379	-	450	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1935	1170	40 mbps	180	379	55	151	-
Added	-	-	40 mbps	-	-	-	-	-
Total	1935	1170	80 mbps	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 operations are carried out through 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. Courses conducted through QEEE, NMEICT.

4.6 Amount spent on maintenance in lakhs (₹):

i) ICT	16.61
ii) Campus Infrastructure and facilities	1205.98
iii) Equipments	308.28
iv) Others	1420.38
Total:	2951.26

Criterion – V

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
5199	486	14	-

(b) No. of students outside the state

8

(c) No. of international students

2

Men	No	%		No	%	Women = 5699
	3829	67.18		1870	32.81	

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
228	567	14	5279	-	6088	220	490	12	4977	-	5699

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 and awareness classes for GATE, GRE, TOFEL, TNPSC, UPSC and TANCET exams.

No. of students beneficiaries

123

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="05"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="16"/>

5.6 Details of student counselling and career guidance

<p>Counselling</p> <ul style="list-style-type: none"> ❖ The students are counselled for absenteeism, poor performance and indisciplinary activities. <p>Career Guidance</p> <p>Career guidance is provided to students on higher studies and placement</p>

No. of students benefitted

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
90	1026	596	121

5.8 Details of gender sensitization programmes

<ul style="list-style-type: none"> ❖ 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 National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount ₹
Financial support from institution	11	2,20,000
Financial support from government	2755	3,10,31,680
Financial support from other sources	35	4,41,300
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 National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed : NIL
Arrear coaching classes have been arranged (EEE)

Criterion – VI

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 being implemented effectively.

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 innovation among the learners through various academic activities.
- The college 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.
- ❖ Class Assessment Test, Missed Test, Improvement Test, Online Test and End semester Examination are conducted.
- ❖ Weightage for assignments, tutorials and attendance being given in internal assessment.
- ❖ Question paper pattern is periodically received and changed 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 to 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 faculty and staff members.
- Deputation of faculty for FDPs, Conferences and Workshops to update their skills.

6.3.7 Faculty and Staff recruitment

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

6.3.8 Industry Interaction / Collaboration

The college has collaboration with CII, MMA, EEDISSIA 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

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.

- 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.
- PTC training.

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 (2015-16) 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:

- Real time application Industry Projects for Students
- Outcome Based Education

****Provide the details in annexure (annexure need to be numbered as i, ii, 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

- Industry projects from EEDISSIA
- Developing high quality skilled workforce of industry relevance through PTC training.
- Improving the placement in SAP domain.
- Reaccreditation of NAAC

Name 1. Mr.M.Christopher

Name: Dr.K.Thyagarajah



Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC
Dr.K.THYAGARAJAH, BE, M.E, P.D, STAFFEE, MISTE,
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ANNEXURE – I
ACADEMIC CALENDAR 2015-2016

S.No	Details	Proposed Month
1.	IQAC Members Meeting	March 2016
1.	Academic Audit	After I and II Test
2.	Submission of funding proposal	September 2015 & February 2016
3.	Management Review Meeting	September 2015 & April 2016

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

- ❖ 75% of the alumni are employed.
- ❖ The average salary of the alumni is ₹ 22000.
- ❖ 20% of the alumni have opted for higher studies.
- ❖ 70% 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.
- ❖ Parents are satisfied with the transport facilities.

Students Feedback

- ❖ Students are satisfied with institutional infrastructure.
- ❖ Students are satisfied with the content delivery, faculty approach and faculty expertise.
- ❖ Students are satisfied with the placement training.
- ❖ Students are satisfied with infrastructure facility.

ANNEXURE – III

BEST PRACTICES

Title of the Practice:

Real time application Industry Projects for Students

The students were exposed to industrial visits during their early part of their courses and the thirst is slowly entrusted on them to understand the day-to-day operations of the industry and the problems faced by shop people and management. Further assistance was extended by faculty members for the students to realize the real-life problems of industry and motivate them to come up life innovative solutions by continuous guidance and support. This will enable the students to carry out the industrial projects on their own and also pave way for novel ideas to solve problems and inculcate research thirst among students.

Objectives of the Practice

This industrial projects undertaken by students strengthens their spirit of Research and Innovation in their respective disciplines. The industrial projects help the students gain on-the-job experience, experiential learning, learn for pleasure, activity-based learning, intrinsic motivation and intensifies hunger for knowledge.

The Context:

To ensure experiential learning, Interactive Learning, Collaborative Learning and Group Dynamics and also Independent Learning for the students through industrial projects. It endorses and drives the students towards the excellent approach to learning.

The Practice:

The industrial exposure helps the students to get motivated with their projects. They get the real-life learning through this practice. The students are assigned industry projects in their respective area. They do a project based on the requirements of the industry.

Evidence of Success: Realizing the hard work and significance of the project works undertaken by students, most of the companies offering projects have come up with the provision of stipend during project study and immediate recruitment after successful completion of projects.

Problems encountered and resources required:

Quite a few problems offered to the students for finding solutions are beyond their reach as it was expected by the Members of Faculty or technical experts. The experienced faculty of respective departments were always there to lend their hand in driving the students out of technical troubles they may come across during their project work.

Notes:

Apart from concentrating on industrial projects only, the institution is also encouraging students to identify the problems of social interest and provide solutions so that the society may benefit at large.

Title of the Practice:**Outcome based Education (OBE)**

The institution is currently following Outcomes based education (OBE), which is a process that involves the restructuring of curriculum, assessment and reporting practices in education to reflect the achievement of high order learning and mastery rather than the accumulation of course credits. The OBE model involves curriculum design based on preset objectives and learning outcomes. The respective departments are initiated to take necessary steps to make changes in curriculum design and development, assessment system, and delivery modes according to OBE. OBE covers all the aspects like planning, implementation, assessment/evaluation and continual quality improvement.

Objectives of the Practice

- To make both staff and students take responsibility for successful learning.
- To provide opportunity to students gain from others and to build a hierarchy of learning skills.
- To allow the student sufficient time to improve his performance in each semester.
- To enable students perform at higher levels of competency through choices and options.
- To determine Instructional levels after complete assessment of student mastery.
- To provide opportunity to students to work with core and alternative curriculum.

The Context:

The OBE involves administrators, educators, parents and students, and ultimately it is the classroom teacher who is the key to the success of the program. The most basic premise of OBE states that all students are capable of learning and can achieve high levels of competency when teachers delineate their expectations. When this is done, students feel they are participants in classroom decisions and tend to be more supportive of all aspects of the class.

The Practice:

Usually textbook is not often used in the classes. A regular textbook would bring a sense of confinement, and it is preferable to use cases and real-life problems and authentic materials from the world around the students. Each year units of study that meet the changing needs of the student community and industrial requirements are developed and integrated into the curricula.

Evidence of Success:

OBE mandates teachers to be updated in their respective fields and must be open to new ideas and will implement them if they feel significant support from administration and other staff members. OBE insists on

bringing speakers for staff development programs and the outside presenters have a wide appeal and create a fresh approach to a given subject. The OBE ensures that students develop skills in all the areas of a particular subject through implementation of Bloom's Taxonomy.

Problems encountered and resources required:

At the initial stages of its implementation, the students and staff found it a little bit difficult to understand and cope with its application. Several instruction programmes on OBE and its benefits were communicated to staff by outside experts to enable them fully understand about OBE.
