

ANNUAL QUALITY ASSURANCE REPORT

2016-17

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**

JULY - 2018

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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.A.KUMARAVEL

Tel. No. with STD Code:

04288 - 274748

Mobile:

96261-99599

Name of the IQAC Co-ordinator:

Dr.M.CHRISTOPHER

Mobile:

98427-75350

IQAC e-mail address:

iqac@ksrct.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 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 dated 10/03/2012

1.5 Website address:

www.ksrct.ac.in

Web-link of the AQAR:

[http://www.ksrct.ac.in/admin/file_manager/source/IQAC/AQAR_Report\(2016-2017\).pdf](http://www.ksrct.ac.in/admin/file_manager/source/IQAC/AQAR_Report(2016-2017).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 :

DD/MM/YYYY

11/05/2012

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

2016-2017

1.9 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

: 01/02/2017

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

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

Type of Institution Co-education Men Women

Urban Rural Tribal

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

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

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

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	<input type="text" value="-"/>	UGC-CE	<input type="text" value="-"/>
UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="✓"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	Any other (<i>Specify</i>)	<input type="text" value="-"/>
UGC-COP Programmes	<input type="text" value="-"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="50"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="02"/>
2.3 No. of students	<input type="text" value="12"/>
2.4 No. of Management representatives	<input type="text" value="02"/>
2.5 No. of Alumni	<input type="text" value="12"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="03"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="03"/>
2.8 No. of other External Experts	<input type="text" value="03"/>
2.9 Total No. of members	<input type="text" value="87"/>
2.10 No. of IQAC meetings held	<input type="text" value="01"/>

2.11 No. of meetings with various stakeholders:	No.	<input type="text" value="01"/>	Faculty	<input type="text" value="01"/>
	Non-Teaching Staff	<input type="text" value="01"/>	Students	<input type="text" value="01"/>
	Alumni	<input type="text" value="01"/>	Others	<input type="text" value="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 has improved
- Faculty turnover ratio is below 8%

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 : 01 Number of Projects Submitted : 04
To promote research publications	International Journal : 165 National Journal : 26 International Conferences : 31 National Conferences : 11 Books Published : 10
To use ICT in teaching and learning	<ul style="list-style-type: none"> • Automation of academic activities • Maintenance of faculty profile • On-line course content development • Knowledge sharing through Moodle Software • Question papers are generated from Question bank
Academic Audit Review Meeting	<ul style="list-style-type: none"> • To improve the Teaching learning process
BoS Meeting	<ul style="list-style-type: none"> • To review and update the Curriculum and Syllabus
Standing Committee and Academic Council Meeting	<ul style="list-style-type: none"> • To finalize the updated Curriculum and Syllabus
ISO Auditing	<ul style="list-style-type: none"> • To conduct Internal auditing and MRM(Management Review Meeting) meeting • To review and improve Quality Management System
To take initiatives to introduce new courses at UG and PG level under Self Financing Stream	<ul style="list-style-type: none"> • B.Tech(Food Technology)

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 months 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	13	-	13	-
PG	9	-	9	-
UG	11	1	12	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	2
Total	33	1	34	2
Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	21
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.

B.Tech(Food Technology)

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
425	312	51	62	-

2.2 No. of permanent faculty with Ph.D.

103

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	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

Nil

Nil

Nil

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	47	75	12
Presented papers	30	17	1
Resource Persons	16	24	5

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
 Open Elective Courses

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

313

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

Open book examination for Continuous Assessment, Online Application, Photo copy of Answer Booklet, Photocopy of Answer Key, Online multiple choice questions.

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

120

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	338	17.8	77.2	5.0	-	83.1
B.E. EEE	191	31.1	61.1	7.8	-	94.2
B.E. ECE	239	19.7	71.8	8.5	-	89.1
B.E. CSE	172	23.3	75.3	1.4	-	84.9
B.E. MCT	117	14.1	81.8	4.0	-	84.6
B.E. Civil	135	32.2	64.4	3.4	-	87.4
B.E. EIE	49	34.0	66.0	0.0	-	95.9
B. Tech. IT	80	14.7	84.0	1.3	-	93.8
B. Tech. TT	49	16.2	83.8	0.0	-	75.5
B. Tech. BT	54	11.5	88.5	0.0	-	96.3
M.E. (ED)	4	50.0	50.0	0.0	-	100.0
M.E. (CSE)	4	50.0	50.0	0.0	-	100.0
M.E. (ISE)	11	45.5	54.5	0.0	-	100.0
M.E. (PPS)	6	66.7	33.3	0.0	-	100.0
M.E. (SE)	8	75.0	25.0	0.0	-	100.0
M. Tech (NST)	1	0.0	100.0	0.0	-	100.0
M. Tech (BT)	6	20.0	80.0	0.0	-	83.3
MBA	86	16.7	82.1	1.3	-	90.7

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	95
UGC – Faculty Improvement Programme	10
HRD programmes	5
Orientation programmes	7
Faculty exchange programme	-
Staff training conducted by the university	11
Staff training conducted by other institutions	44
Summer / Winter schools, Workshops, etc.	92
Others	29

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	102	-	-	-
Technical Staff	99	-	-	-

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	4	11	1	4
Outlay in Rs. Lakhs	33.06	243.18	14.00	80.00

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	5	-	-
Outlay in Rs. Lakhs	5.05	13.95	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	89	13	-
Non-Peer Review Journals	43	-	-
e-Journals	33	13	-
Conference proceedings	31	11	-

3.5 Details on Impact factor of publications:

Range 0.3 - 10 Average 1.35 h-index 31 Nos. in SCOPUS 188

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	2	AICTE-MODROBS	14,00,000	11,00,000
	1	DST - SERB	19,20,000	9,60,000
	3	SERB DST – SERB File No.EMR/214/000711	29,71,000	
	3	DBT	26,30,000	Ongoing
	3	UGC - MRP	5,63,000	Ongoing
	3	AICTE - RPS	10,00,000	10,00,000
	1	AICTE	7,00,000	7,00,000
Minor Projects	1	UGC	2,90,000	
	2	UGC	2,55,000	2,55,000
	1	UGC	2,90,000	2,47,500
	1	UGC	2,85,000	2,42,500
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	0.2	TNSCST, Chennai	50,000	50,000
Any other(Specify)	0.2	IASc, Bangalore and IGCAR, Kalpakkam	96,000	96,000
	1(Travel grant)	UGC	71,552	71,552
		TNSCST	14,500	14,500
		DST	15,000	15,000
Total			1,25,51,052	47,52,052

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 ₹ 4, 24,375

Level	International	National	State	University	College
Number	-	4	1	-	-
Sponsoring agencies	-	5	1	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons 55

3.13 No. of collaborations International 4 National 4 Any other 5

3.14 No. of linkages created during this year 38

3.15 Total budget for research for current year in lakhs :

From Funding agency 64.3 From Management of University/College 7.78
Total 72.08

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2
	Granted	-
International	Applied	2
	Granted	1
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
12	1	1	3	7	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides 41

and students registered under them 105

3.19 No. of Ph.D. awarded by faculty from the Institution 17

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC:

University level State level
National level International level

3.25 No. of Extension activities organized

University forum College forum
NCC NSS 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 and Yoga.
- ❖ 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.
- ❖ Farmers training programme were conducted
- ❖ 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 Nos	-	-	188
Laboratories	148 Nos	2	-	150
Seminar Halls	16 Nos	-	-	16
No. of important equipments purchased (1-0 lakh) during the current year.	339 Nos	662	Institution	1001
Value of the equipment purchased during the year (Rs. in Lakhs)	8082.86	52.68	Institution	8135.54
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 examination for programming related subjects
❖ Online Multiple choice questions
❖ Online test for placement
❖ Information sharing through Email and SMS to parents
❖ Research Repository

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	5203	1768582	4268	1425624	9471	3194206
Reference Books	278	430742	230	200845	508	631587
e-Books	-	-	-	-	-	-
Journals	310	598654	293	803582	603	1402236
e-Journals	01	11500	01	11500	-	23000
Digital Database	-	-	-	-	-	-
CD & Video	379	-	65	1000	444	1,000
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1617	31	80	3	4	120	61	7
Added	-	2	40	-	1	-	-	3
Total	1617	33	120	3	5	120	61	10

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

<ul style="list-style-type: none"> ❖ 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. ❖ Library has been computerised all its operations and came out with an in-house developed library software that is well maintained and updated regularly. ❖ NPTEL video and web courses are regularly added. It uses the state-of-the-art technology in its function and services. Courses conducted through QEEE, NMEICT. ❖ Faculty and students are facilitated to attend online courses offered through QEEE & NPTEL, NMEICT
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4.6 Amount spent on maintenance in lakhs :

i) ICT	4.90
ii) Campus Infrastructure and facilities	115.72
iii) Equipments	9.96
iv) Others	753.03
Total :	883.63

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.
- 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
4757	249	2	-

(b) No. of students outside the state

22

(c) No. of international students

-

	No	%		No	%
Men	3490	69.71	Women	1516	30.28

Last Year (2015-16)						This Year (2016-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
220	490	12	4977	-	5699	184	310	09	4503	-	5006

Demand ratio 1:1

Dropout % : Nil

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

106

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	06	CAT	02
IAS/IPS etc	-	State PSC	04	UPSC	-	Others	37

5.6 Details of student counselling and career guidance

<p>Counselling</p> <p>❖ The students are counselled for absenteeism, poor performance and indisciplinary activities.</p> <p>Career Guidance</p> <p>Career guidance is provided to students on higher studies and placement</p>
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No. of students benefitted 290

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
110	952	513	122

5.8 Details of gender sensitization programmes

<ul style="list-style-type: none"> ❖ The Women Empowerment Cell conducted programmes on various issues relating to gender problems. ❖ Professional counsellors are invited to conduct programmes for women staff and students ❖ The Women Empowerment 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.
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5.9 Students Activities

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

State/ University level 150 National level 30 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 (in ₹)
Financial support from institution	10	2,00,000
Financial support from government	2587	2,72,36,295
Financial support from other sources	23	4,24,310
Number of students who received International/ National recognitions	07	1,29,000

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

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 updating 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. Choice Based Credit System (CBCS) is implemented.

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 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 reviewed and 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 M.E. and Ph.D. programme.
- Besides, various workshops and training programs are organised through HRD Cell for the benefit of faculty and staff members.
- Deputation of faculty and staff 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

5.56 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 declares 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 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

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, assignments online and Quizzes.
- Assessment and Attainment of COs, POs and PEOs.
- Conduct of online examination for programming related courses.
- Centres of Excellence for manufacturing training Mechanical and Mechatronics Engineering students.

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 (2016-17) and its progress was monitored through action taken report from all the individuals concerned. 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
- Online examination for programming related courses.
- Subject wise experts as chief examiner for evaluation.

7.4 Contribution to environmental awareness / protection

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

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 faculty student ratio
- 100% faculty involvement
- Residential campus
- Technology utilization
- Healthcare facilities
- Alumni
- Centres of Excellences
- Quality Publications

Weakness

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

Opportunity

- Curriculum development
- Faculty development programs on current technologies
- New PG programmes
- R&D and consultancy activities
- Employability of students in emerging core industries
- Funding from funding agencies
- Skill Development

Threats

- Geographical location
- Competition among developing institutions

8.Plans of institution for next year

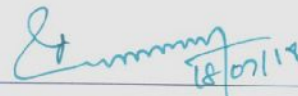
- Industry projects from EEDISSIA
- Developing high quality skilled workforce of industry relevance through Centres of Excellence.
- Improving employability skills.
- Improving R&D activities.

Name Dr.M.Christopher



Signature of the Coordinator, IQAC

Name: Dr.A.Kumaravel



Signature of the Chairperson, IQAC

PRINCIPAL,

K.S. RANGASAMY COLLEGE OF TECHNOLOGY,

TIRUCHENGODE - 637 215.



ANNEXURE – I
ACADEMIC CALENDAR 2016-2017

S.No	Details	Proposed Month
1.	IQAC Members Meeting	March 2017
1.	Academic Audit	After I and II Test
2.	Submission of funding proposal	September 2016 & February 2017
3.	Management Review Meeting	November 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.
- Feedback 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 ₹ 20000.
- ❖ 23% 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.

ANNEXURE – III BEST PRACTICES

(i) Choice Based Credit System (CBCS)

Choice Based Credit System (CBCS) is a system in which the students have a choice to choose from the prescribed courses, which are referred as core, elective or minor or soft skill courses and they can learn at their own pace and the entire assessment is graded-based on a credit system. The basic idea is to look into the needs of the students so as to keep up-to-date with development of higher education in India and abroad. CBCS aims to redefine the curriculum keeping pace with the liberalisation and globalisation in education. CBCS allows students an easy mode of mobility to various educational institutions spread across the world along with the facility of transfer of credits earned by students.

(ii) 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)

(iii) 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.

(iv) 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 end semester Autonomous Question papers are generated through software from question bank.

(v) One Credit course:

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

(vi) Computerised examinations

- Programming related subjects
- GATE examination

(vii) Centres of Excellence

Skill development on various technologies.

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
