



**KUMARAGURU COLLEGE OF TECHNOLOGY  
CHINNAVEDAMPATTI POST  
COIMBATORE – 641 049.**

**Annual Quality Assurance Report (AQAR)  
of  
Internal Quality Assurance Cell**

**Year Report: 2011-2012**

*Submitted to*



**National Assessment and Accreditation Council (NAAC)  
Bangalore**

## ANNUAL QUALITY ASSURANCE REPORT (AQAR 2011-2012)

### 1. Kindly provide the details of the institution

Name of Institution:	<b>Kumaraguru College of Technology</b>
Year of Establishment of the Institution:	<b>1984</b>
Address Line 1:	<b>Chinnavedampatti Post</b>
Address Line 2:	<b>Coimbatore</b>
City/Town:	<b>Coimbatore</b>
State:	<b>Tamil Nadu</b>
Postal Code:	<b>641 049</b>
Email Address:	<a href="mailto:info@kct.ac.in">info@kct.ac.in</a> ; <a href="mailto:principal@kct.ac.in">principal@kct.ac.in</a>

### 2. NAAC Accreditation/ Reaccreditation Details

Year of Accreditation/ Reaccreditation:	<b>January, 2009</b>
Current Grade:	<b>B Grade</b>
CGPA:	<b>2.67 / 4 point scale</b>

### 3. Institutional Status

**Autonomous College**

### 4. Contact Person Details

Name of Head of Institution:	<b>Dr.S.Ramachandran, Principal</b>
Contact Phone:	<b>0422-2661122</b>
Email:	<a href="mailto:principal@kct.ac.in">principal@kct.ac.in</a>
Website URL:	<a href="http://www.kct.ac.in">www.kct.ac.in</a>
Name of IQAC Co-ordinator	<b>Prof.M.Prasad Kumar</b>
Email:	<a href="mailto:adminprof@kct.ac.in">adminprof@kct.ac.in</a>

## SECTION I

This section is related to institutional goals, vision and mission, academic programmes and activities, strategies and action plans for institution building.

### 5. Number of academic programmes existing (Enter a number; 0 for nil)

Undergraduate	0
Post Graduate (MCA/MBA)	02
Research Programmes (M.Phil/Ph.D.)	09
Certificate Programmes	0
Professional Programmes (B.E / B.Tech.)	13
Professional Programmes (M.E / M.Tech.)	14
Other value added programmes	0
Any other programme offered (Specify)	0

### 6. Details on Programme Development (Enter a number; 0 for nil)

New programmes added during the year	1
New programmes designed	0
Programmes under revision	1
Interdepartmental collaborative programmes	3
Inter institutional collaborative programmes	0
Number of review committee recommendations implemented (Total)	5
Number of NAAC peer team recommendations implemented	7
Number of UGC/any other expert committee recommendations implemented	4
Number of review committee recommendation under implementation	4
Number of NAAC peer team recommendations under implementation	3
Number of UGC/ any other expert committee recommendations under implementation	3

### 7. Faculty Details (Enter a number; 0 for nil)

Total faculty strength required as per norms for all programmes	289
Total faculty on rolls	299
Faculty added during the year	67
Faculty positions vacant	04
Faculty left during the year	42
Total number of visiting faculty	08
Total number of guest faculty	07

## 8. Qualification of Faculty

Ph.D. and Above	52
M.Phil.	76
Masters	223
Any other (Specify) (B.Tech)	01

## 9. Faculty qualification improvement

Ph.D. awarded to existing faculty	07
M.Phil. awarded to existing faculty	05
Any other degree awarded to existing faculty	0

## 10. Administrative Staff Details (Enter a number; 0 for nil)

Administrative staff (total sanctioned)	140
Administrative staff (Actual strength)	136
Added during the year of reporting	10
Left during the year	14
Number of posts vacant	4

## 11. Technical Support Staff Details (Enter a number; 0 for nil)

Technical Support Staff (Total sanctioned strength)	153
Technical Support Staff (Actual strength)	134
Added during the year	15
Left during the year	34
Number of posts vacant	19

## SECTION II

This section surveys the quality sustenance and development activities during the year taken up by IQAC.

It reflects quality management structure, strategies, and processes which would enhance academic quality of the institution as perceived by faculty, students, alumni, and other stakeholders (social perception of the institution) in line with the vision, mission and goals of the institution.

**12. Establishment details**

	DD	MM	YYYY
Year of establishment of IQAC	09	06	2009

**13. Composition of IQAC (Enter a number; 0 for nil)**

Number of IQAC members	09
Number of Alumni in IQAC	01
Number of Students in IQAC	01
Number of Faculty in IQAC	03
Number of Administrative Staff in IQAC	03
Number of Technical Staff in IQAC	0
Number of Management Representatives	01
Number of External experts in IQAC	01
Number of any other stakeholder and community representatives	0

**14. IQAC Meetings**

Number of IQAC meetings held during the year	04
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**15. Whether Calendar of activities of IQAC formulated for the academic year**

Yes

**16. IQAC Plans for Development (Enter a number; 0 for nil)**

Number of academic programmes proposed	05
Number of value added programmes proposed	10
Number of skill oriented programmes proposed	15
Number of faculty competency and development programmes proposed	10
Number of other staff development programmes proposed	04
Number of student mentoring programmes proposed	25
Number of co-curricular activities proposed	30
Number of inter departmental cooperative schemes proposed	10
Number of community extension programmes proposed	10
Any other programmes proposed (Specify)	05

**17. IQAC Plans for development & Implementation (Enter a number; 0 for nil)**

Number of academic programmes implemented	<b>03</b>
Number of value added programmes implemented	<b>06</b>
Number of skill oriented programmes implemented	<b>10</b>
Number of faculty competency and development programmes implemented	<b>12</b>
Number of other staff development programmes implemented	<b>03</b>
Number of student mentoring programmes implemented	<b>18</b>
Number of co-curricular activities implemented	<b>20</b>
Number of inter departmental cooperative programs implemented	<b>10</b>
Number of community extension programmes implemented	<b>08</b>
Any other programmes suggested that are implemented (Specify)	<b>04</b>

**18. IQAC Seminars and Conferences (Enter a number; 0 for nil)**

Number of seminars/ conferences/ workshops organized by IQAC within the institution	<b>02</b>
Number of participants from the institution	<b>200</b>
Number of participants from outside	<b>100</b>
Number of external experts invited	<b>04</b>
Number of external conferences/seminars/ workshops on institutional quality attended	<b>05</b>
Number of events conducted with IQACs of other institutions as collaborative Programmes	<b>01</b>

**19. Did IQAC receive any funding from UGC during the year?**

No

**20. If the response to Qn. 18 is Yes, please provide the amount received from UGC - (Input 0 - if NA/NIL-) any other source including internal financial support from the management (Specify amount)**

Amount Received from UGC	0
Amount Received from any other source including the college management	0

**21. Any significant contribution made by IQAC on quality enhancement during current year (Please provide details in bullet format)**

The following significant contributions were made by IQAC on quality enhancement during the assessment year.

- ★ Submission of RAR for Re-accreditation process
- ★ Submission of seminar proposal on ‘Academic Excellence Through Quality Sustenance and Enhancement’
- ★ Conduct of series of faculty development programmes
- ★ Publications by IQAC members
- ★ Participation of IQAC members in quality seminar conducted by national and regional institutions.

**NAAC QUALITY INITIATIVES**

The College underwent the process of quality assessment and accreditation by the National Assessment Accreditation Council of the University Grants Commission in December, 2008. The assessment was conducted by a team of directors / professors from IIT, Kanpur and Indian Institute of Science, Bangalore. The college was accredited for a period of five years with ‘B’ grade with a CGPA of 2.67 on a scale of 4. Based on the guidelines by NAAC the Internal Quality Assurance Cell and NAAC secretariat was established in the campus in June, 2009 to initiate, monitor and report on the measures to upgrade quality of teaching, learning, evaluation and research activities in the campus. The ISO cell under MR takes care of periodical and systematic quality audit and remedial measures. The Centre for Academic Excellence has been created to conduct faculty development programmes from time to time. The IQAC of the College, the Centre for Academic Excellence and the ISO collectively take care of developing, monitoring and reporting to the management and NAAC (Bangalore) on the quality status of all the vital academic activities and parameters ensuring continued quality sustenance. The composition of the IQAC unit of the college was modified with effect from 25.2.2010 based on NAAC guidelines.

The present NAAC unit of KCT consists of the following members.

1. Dr.B.K.Krishnaraj Vanavarayar, Chairman (Management)
2. Dr.J.Shanmugam, Director (Administration)
3. Dr.S.Ramachandran, Principal (Administration)
4. Sri.N.Srinivasan, Executive Officer
5. Shri.Balasubramanian (Engineer)
6. Dr.S.Bhaskar (Academics)
7. Dr.S.Gopal (Academics)
8. Dr.Muthukumaran (Academics - ISO)
9. Prof.M.Prasad Kumar (Secretary, NAAC-IQAC)

The IQAC of the college takes care of the forty parameters of quality covering teaching, learning, evaluation, research and development in the campus and ensures useful comparisons of our best practices with prominent bench marked institutions in the country. The management conducts frequent meeting of the Core Committee to take care of the development requirements of the campus according to the vision and mission of the college. Based on the accreditation report of the expert committee several quality improvement measures were identified and initiated with the object of total quality management including infrastructure, core teaching methodology and research and development.

#### **CENTER FOR ACADEMIC EXCELLENCE (CAE)**

The Center for Academic Excellence was brought into existence during September 2009. The activities of the center can broadly be put as follows.

- To develop systems that will enable standardization of academic activity that is essential for sustained academic growth



- To conduct academic audits to ensure that the departments comply with the established academic standards
- Organize and impart training to the faculty to develop their capabilities for quality academic delivery
- Provide academic orientation and training to students for enhancing their employability

**(a). STANDARDIZATION ACTIVITIES**

Following are the standardization activities that have been institutionalized.

- Preparation of material for handling theory classes by way of a format
- Preparation of laboratory manuals and work books by way of formats
- The work of class advisors and ward counselors

**(b). ACADEMIC AUDITS**

In order to ensure that the academic standards are followed by all departments, academic audits are conducted in every semester. The audits are being conducted by the Director, Principal and the Center for Academic Excellence. The statistics of the academic audits conducted so far in detailed.

Academic Year 2010-11	Odd Semester	Audit 1	16.08.2010 to 20.08.2010
		Audit 2	04.10.2010 to 08.10.2010
	Even Semester	Audit 3	03.02.2011 to 15.02.2011
		Audit 4	22.03.2011 to 09.04.2011
Academic Year 2011-12	Odd Semester	Audit 1	23.06.2011 to 02.07.2011
		Audit 2	10.10.2011 to 28.10.2011
	Even Semester	Audits have been planned	

**(c). TRAINING**

**ACADEMIC YEAR 2010-2011**

Sl.No.	Date	Details	Participants
1.	29.06.2010 (09.30 a.m. to 04.30 p.m.)	FDP – Academic Orientation Program	Newly recruited teaching staff/10
2.	03.07.2010 (09.30 a.m. to 04.00 p.m.)	FDP – Workshop on Scientific Teaching Model	Newly recruited teaching staff/13
3.	31.07.2010 (02 to 04 pm)	SDP – Workshop on passion and excellence	50 3 <sup>rd</sup> year BE Mechatronics students
4.	04.08.2010	SDP – Workshop on Passion and Excellence	63 III Year Aeronautical Students
5.	11.08.2010 (FN)	SDP – workshop on Academic Excellence and Soft Skills	63 II Year Aero. Students
6.	11.08.2010 (AN)	SDP – workshop on Academic Excellence and Soft Skills	60 II Year IT Students

<b>Sl.No.</b>	<b>Date</b>	<b>Details</b>	<b>Participants</b>
7.	25.08.2010 (FN)	SDP – workshop on Academic Excellence and Soft Skills	63 II Year ME-A Students
8.	25.08.2010 (AN)	SDP – workshop on Academic Excellence and Soft Skills	61 II Year ME-B Students
9.	31.08.2010	Workshop on Ice Breaking	41 MBA Students (I year)
10.	02.09.2010 (FN)	SDP – workshop on Academic Excellence and Soft Skills	59 II Year ECE-B Students
11.	08.09.2010 (FN)	SDP – workshop on Academic Excellence and Soft Skills	64 II Year EEE Students
12.	08.09.2010 (AN)	SDP – workshop on Academic Excellence and Soft Skills	55 II Year MCE Students
13.	15.09.2010 (FN)	SDP – workshop on Academic Excellence and Soft Skills	65 II Year CE Students
14.	15.09.2010 (AN)	SDP – workshop on Academic Excellence and Soft Skills	52 II Year E&I Students
15.	22.09.2010 (FN)	SDP – workshop on Academic Excellence and Soft Skills	64 II Year ECE-A Students
16.	22.09.2010 (AN)	SDP – workshop on Academic Excellence and Soft Skills	64 II Year CSE Students
17.	28.09.2010 (AN)	SDP – workshop on Academic Excellence and Soft Skills	56 II Year FT Students
18.	29.09.2010 (FN)	SDP – workshop on Academic Excellence and Soft Skills	66 II Year TXT Students
19.	29.09.2010 (AN)	SDP – workshop on Academic Excellence and Soft Skills	53 II Year BT Students
20.	18.12.2010 (AN)	SDP – Workshop on Soft Skills and Placement	57 III year IT Students
21.	29.12.2010 (FN)	SDP – Workshop on Soft Skills and Placement	60 III year ME Students
22.	05.01.2011 (FN)	SDP – Workshop on Soft Skills and Placement	54 III year TXT Students
23.	05.01.2011 (AN)	SDP – Workshop on Soft Skills and Placement	50 III year BT Students
24.	12.01.2011 (FN)	SDP – Workshop on Soft Skills and Placement	53 III year Aero Students
25.	12.01.2011 (AN)	SDP – Workshop on Soft Skills and Placement	50 III year E&I Students
26.	19.01.2011 (FN)	SDP – Workshop on Soft Skills and Placement	60 III year MEC Students
27.	19.01.2011 (AN)	SDP – Workshop on Soft Skills and Placement	42 III year EEE Students

Sl.No.	Date	Details	Participants
28.	02.02.2011 (AN)	SDP – Workshop on Soft Skills and Placement	64 III year FT Students
29.	09.02.2011 (FN)	SDP – Workshop on Soft Skills and Placement	63 III year ECE B Students
30.	09.02.2011 (AN)	SDP – Workshop on Soft Skills and Placement	44 III year CE Students
31.	19.02.2011 (FN)	SDP – Workshop on General Aptitude	46 Aeronautical Students
32.	23.02.2011 (AN)	SDP – Workshop on Soft Skills and Placement	63 III year CSE Students
33.	12.04.2011	SDP – Workshop on Getting Something from Nothing	24 I year MBA students

### ACADEMIC YEAR 2011-2012

Sl.No.	Date	Details	Participants
1.	21.06.2011	FDP – Induction Training Program	48 newly recruited Teaching Faculty
2.	06.07.2011 (FN)	SDP – Workshop on Academic Excellence and Opting a Career	49 II year CE students
3.	06.07.2011 (AN)	SDP – Workshop on Academic Excellence and Opting a Career	62 II year ME-A students
4.	13.07.2011 (FN)	SDP – Workshop on Academic Excellence and Opting a Career	62 II year ME-B students
5.	13.07.2011 (AN)	SDP – Workshop on Academic Excellence and Opting a Career	63 II year MCE students
6.	20.07.2011 (FN)	SDP – Workshop on Academic Excellence and Opting a Career	54 II year Aero. students
7.	20.07.2011 (AN)	SDP – Workshop on Academic Excellence and Opting a Career	63 II year EEE students
8.	10.08.2011 (FN)	SDP – Workshop on Academic Excellence and Opting a Career	58 II year E&I students
9.	10.08.2011 (AN)	SDP – Workshop on Academic Excellence and Opting a Career	71 II year CSE students
10.	17.08.2011 (FN)	SDP – Workshop on Academic Excellence and Opting a Career	64 II year IT students
11.	17.08.2011 (AN)	SDP – Workshop on Academic Excellence and Opting a Career	61 II year TXT students
12.	24.08.2011 (FN)	SDP – Workshop on Academic Excellence and Opting a Career	44 II year FT students
13.	29.08.2011 (FN)	Orientation Program (Past – Present – Future) for I MBA students	Around 120 students
14.	30.08.2011 (FN)	SDP – Workshop on Academic Excellence and Opting a Career	56 II year BT students
15.	17.09.2011 (FN)	SDP – Workshop on Creativity	Around 120 MBA 1 <sup>st</sup> year students
16.	09.01.2012 (AN)	Workshop on Introspection and Career Planning	52 III year BT students
17.	10.01.2012 (AN)	Workshop on Structuring Strategy for Teaching Mathematics	24 Teaching faculty from Various Colleges
18.	22.2.2012	Faculty Development Programme – Session I	133 Teaching faculty of KCT
19.	17.03.2012	Faculty Development Programme – Session II	140 Teaching faculty of KCT

#### (d). STANDARDIZATION FOR NBA ACCREDITATION

For getting ready for the NBA process, the program specific documents listed under the NBA criteria has been standardized and the first scrutiny of documents was conducted on the dates detailed below by the Director, Principal and Center for Academic Excellence.

#### YEAR 2011-2012

NBA-Accreditation Readiness - Scrutiny	10.10.2011 to 28.10.2011 All the UG programs have started to get ready by the way of preparing relevant documents for the NBA process
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### SECTION III

In this section the events, activities, and outputs in the field of research and academic areas are being surveyed.

#### 22. Academic Programmes

Number of new academic Programmes developed or designed by faculty	<b>05</b>
Number of faculty members involved in curriculum restructuring/revision/syllabus development	<b>120</b>
Number of Programmes in which evaluation process reformation taken up and implemented	<b>25</b>
Number of active teaching days during the current academic year	<b>200</b>
Average percentage of attendance of students	<b>80</b>
Percentage of classes engaged by guest faculty and temporary teachers	<b>50</b>
Number of self financed programmes offered	<b>25</b>
Number of aided programmes offered	<b>0</b>
Number of programmes discontinued during the year	<b>0</b>

#### 23. Whether any systematic student feedback mechanism is in place?

**Yes**

#### 24. Feedback Details (If answer to Question 20 is yes)

Percentage of courses where student feedback is taken	<b>100</b>
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**25. Is feedback for improvement provided to the faculty?****Yes****26. Faculty Research, Projects, and Publication details for the year**

Number of major research projects undertaken during the year	<b>06</b>
Number of minor research projects undertaken during the year	<b>01</b>
Number of major ongoing projects	<b>07</b>
Number of minor ongoing projects	<b>01</b>
Number of major projects completed	<b>02</b>
Number of minor projects completed	<b>03</b>
Number of major project proposals submitted for external funding	<b>04</b>
Number of minor project proposals submitted for external funding	<b>06</b>
Number of research publications in peer reviewed journals	<b>25</b>
Number of research publications in international peer reviewed journals	<b>08</b>
Number of research publications in national peer reviewed journals	<b>20</b>
Number of research papers accepted for publication in international peer reviewed journals	<b>05</b>
Number of research papers accepted for publication in national peer reviewed journals	<b>08</b>
Average of impact factor of publications reported	<b>2.3</b>
Number of books published	<b>10</b>
Number of edited books published	<b>05</b>
Number of books (single authored) published	<b>02</b>
Number of books (coauthored) published	<b>03</b>
Numbers of conferences attended by faculty	<b>288</b>
Number of international conferences attended	<b>20</b>
Number of national conferences attended	<b>268</b>
Number of papers presented in conferences	<b>120</b>
Number of papers presented in international conferences	<b>12</b>
Number of papers presented in national conferences	<b>140</b>
Number of conferences organized by the institution	<b>35</b>
Number of faculty acted as experts resource persons	<b>11</b>
Number of faculty acted as experts resource persons - international	<b>0</b>
Number of faculty acted as experts resource persons- national	<b>50</b>

Number of collaborations with international institutions	<b>05</b>
Number of collaborations with national institutions	<b>08</b>
Number of linkages created during the year	<b>05</b>
Total budget for research for current year as a percentage of total institution budget	<b>10%</b>
Amount of external research funding received in the year	<b>67,46,777</b>
Number of patents received in the year	<b>0</b>
Number of patents applied for in the year	<b>0</b>
Number of research awards/ recognitions received by faculty and research fellows of the institute in the year	<b>10</b>
Number of PhDs awarded during the year	<b>07</b>
Percentage of faculty members invited as external experts/resource persons/reviewers/referees or any other significant research activities	<b>12%</b>

#### **SECTION IV**

This section deals with Student Mentoring and Support System existing in the institution. This includes student activities, mentoring, and opportunities for development and inclusive practices.

#### **27. Student Details and Support Mechanisms**

The total intake of students for various courses (Sanctioned)	<b>960 + 417</b>
Actual enrollment during the year	<b>844 + 389</b>
Student dropout percentage during the year	<b>04</b>
Success percentage in the final examination across the courses	<b>94</b>
Number of academic distinctions in the final examination	<b>64</b>
Number of students who got admitted to institutions of national importance	<b>16</b>
Number of students admitted to institutions abroad	<b>10</b>
Number of students qualified in UGC NET/ SET	<b>05</b>
Number of students qualified GATE/ CAT/ other examination (Specify)	<b>02</b>
Students on roll	<b>UG : 3532 PG : 767</b>
Lateral Entry	<b>190</b>

#### **28. Does student support mechanism exist for coaching for competitive examinations?**

**Yes**

**29. Student participation, if response is yes to Qn. 27**

Number of students participated	<b>140</b>
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**30. Does student counselling and guidance service exist?**

Yes. A separate student counseling and guidance cell is in place with coordinator to provide counseling for students.

**31. Student participation, if answer to Qn. 29 is yes**

Number of students participated	<b>215</b>
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**32. Career Guidance**

Number of career guidance programmes organized	<b>83</b>
No. of students participated in career guidance programmes	<b>7667</b>

**33. Is there provision for campus placement?**

**Yes. There is a placement department and placement officer who arranges campus placement for the final year students.**

**34. If yes to Qn. 32**

Number of students participated in campus selection programmes	<b>820</b>
Number of students selected for placement during the year	<b>799</b>
Number of companies visited	<b>66</b>

**35. Does gender sensitization program exist?**

**Yes**

**36. If Answer is Yes to Qn 34**

Number of programmes organized	<b>08</b>
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**37. Student activities**

Number of students participated in external cultural events	<b>600</b>
Number of prizes won by students in external cultural events	<b>58</b>

Number of cultural events conducted by the institute for the students	<b>08</b>
Number of students participated in international sports and games events	<b>02</b>
Number of students participated in national level sports and games events	<b>06</b>
Number of students participated in state level sports and games events	<b>15</b>
Number of students participated in university level sports and games events	<b>84</b>
Number of prizes won by students in international sports and games events	<b>02</b>
Number of prizes won by students in national level sports and games events	<b>06</b>
Number of prizes won by students in state level sports and games events	<b>15</b>
Number of prizes won by students in university level sports and games events	<b>102</b>
Number of sports and games events conducted by the institute for the students	<b>16</b>

### **38. Composition of students**

Percentage of Scheduled Caste	<b>09</b>
Percentage of Scheduled Tribe	<b>01</b>
Percentage of other backward communities	<b>66</b>
Percentage of women students	<b>42</b>
Percentage of physically challenged	<b>0.4</b>
Percentage of rural students	<b>44</b>
Percentage of urban students	<b>56</b>

### **39. Scholarships and Financial Support**

Number of students availing financial support from the institution	<b>736</b>
Amount disbursed as financial support from the institution	<b>Rs.66.22 lakhs</b>
Number of students awarded scholarship from the institution	<b>1155</b>
Number of students received notable national/international achievements/recognition	<b>59</b>



#### 40. Student initiatives

Number of community upliftment programmes initiated by students	<b>18</b>
Number of literary programmes initiated by students	<b>03</b>
Number of social action initiatives based on science / environment initiated by students	<b>06</b>
Number of student research initiatives	<b>07</b>
Namathu Pangu Community development programmes	<b>07</b>
Mahatma Gandhi Study Centre	<b>08</b>
NCC	<b>08</b>
NSS	<b>10</b>

#### SECTION V

This section surveys the Governance and Innovation at the institution related to quality management. The educational management strategies adopted and in practice for achieving the objectives are focused.

**41. Whether perspective plan for overall developmental activities is created?**

Yes

**42. If the answer for Qn. 40 is Yes, is the plan implemented and monitored?**

Yes

**43. Whether benchmarking is created for institutional quality management efforts?**

Yes.

**44. If the answer to Question 42 is Yes, please list the benchmarking in various areas of development in bullet format**

- ★ Curriculum Design and Development
- ★ Innovations in Teaching, learning & Evaluation
- ★ Infrastructure Development
- ★ Learning support for students
- ★ Research & Development
- ★ Outreach programmes

#### **BENCH MARKING AND LOOKING AHEAD**

Under the guidance of our Co-Chairman, the institution has evolved six priorities for action for the futuristic development of the college into a fine and leading academic institution. The six priorities are :

1. Academic Leadership
2. Faculty Development
3. Research and Development
4. Enhancing Employability
5. Value Systems and Social Responsibility
6. Institutional Growth and Development

### **EVOLUTION OF THE THREE YEAR VISION**

- a) **Benchmarking with leading institutions :** An elaborate exercise of benchmarking with leading institution was done department-wise. HoDs and Senior Professors from each department visited the benchmarked institution and collected data and information regarding areas of improvement on a parameter-wise basis. A list of institutions against whom our departments were benchmarked is given below

<b>S. No.</b>	<b>Name of the Department</b>	<b>Benchmarked Institutions</b>
01.	Civil Engineering	Anna University
02.	Mechanical Engineering	PSG College of Technology
03.	Electrical & Electronics Engineering	Amrita University
04.	Electronics & Communication Engineering	PSG College of Technology and Anna University
05.	Computer Science & Engineering	Anna University
06.	Textile Technology	Anna University and PSG College of Technology
07.	Information Technology	Amrita University
08.	Mechatronics Engineering	Manipal University and SRM University
09.	Biotechnology	Madurai Kamaraj University and PSG College of Technology
10.	Fashion Technology	PSG College of Technology
11.	Electronics & Instrumentation Engineering	MIT, Chennai
12.	Aeronautical Engineering	IIT, Chennai and IISC, Bengaluru
13.	Automobile Engineering	PSG College of Technology
14.	Science & Humanities	PSG College of Technology

- b) A Three year vision document for all the six parameters has been evolved. Fine tuning of the Three year vision document is in progress. From the academic year 2012-2013, the Three year vision document will be put in the operation and closely monitored by the management.

#### **45. Is a Management Information System (MIS) in place ?**

Yes, there is a separate MIS department in place. Activities given separately.

#### **46. If answer to question 44 is Yes, please provide details of MIS applied to**

1. Administrative procedures including finance
2. Student admission
3. Student records
4. Evaluation and examination procedures
5. Research administration
6. Others

1. Yes          2. Yes          3. Yes          4. Yes          5. Yes

#### **MIS department is developing ERP for KCT.**

##### **Completed Projects**

1. Student Management System software
2. Bio-metric System
3. Payroll software (Data captured through bio-metric system will be used for Payroll software)
4. Student / Staff ID card Generation Software

##### **Projects under Progress**

1. Purchase Management system
2. Hostel Management system
3. Transport Management System

##### **Student Management System (SMS)**

- Students Hourly Attendance will be posted in to SMS software every day / hour.
- Students Internal Exam marks will be posted in to SMS software as per the Schedule given by Controller of exam.
- Internal marks will upload to COE software.

##### **Attendance Management system- AMS**

- Bio-metric and Facial reader machine has been fixed at various places in our KCT campus.
- All Staffs members were register their thump / Face every day (In / Out Punch)
- This data will goes to Payroll Software.

##### **Payroll Management System**

- Employee Master Information Like , Name, Address, Age, DOJ, Qualification, Experience, Salary Details, Service Details Etc.
- EL/CL/ML/MTL Leave Letter Posting
- Salary Statement / Summary and Consolidation statement.

- Addition / Deletion Report.
- Pay slip Generation
- Statutory Reports ( PF/ ESI Reports)
- General Reports.

#### 47. Existence of learning resource management

	Yes	No
e-database in library	<input type="checkbox"/>	<input type="checkbox"/>
ICT and smart classroom	<input type="checkbox"/>	<input type="checkbox"/>
e-learning sources (e-Books, e-Journals)	<input type="checkbox"/>	<input type="checkbox"/>
Production of teaching modules	<input type="checkbox"/>	<input type="checkbox"/>
Interactive learning facilities	<input type="checkbox"/>	<input type="checkbox"/>

#### MAHATMA GANDHI CENTRAL LIBRARY

The Mahatma Gandhi Central Library is functioning with an area of 16945 square feet. 9549 Volumes of books have been added since the 1<sup>st</sup> January 2011 bringing the total to 80335 books. 374 Print Journals (334 National + 40 International) and 26982 Online International Journals are subscribed. The Central library has books for an aggregate value of Rs. 3.11 crores. The Digital library section with 50 internet connected system has a collection of 5299 recorded CDs, floppies, Audio and Video Cassettes.

The central library is functioning between 8 am to 11 pm from Monday to Saturday and 8.30 am to 4.30 pm on Sundays. The functioning of library is computerised and barcode technology is used for circulation services.

Our library is an “Institutional Member” of the following organisations:  
British Council Library, Chennai

Developing Library Network (DELNET), New Delhi.

We have also renewed the EBSCO database to access 1879 international journals related to management at the cost of Rs. 6.9 lakhs.

NPTEL (National Programme on Technology Enhanced Learning) web and video courses (240 nos.) prepared by IITs and IISc at the cost of Rs. 1.15 lakh to provide intranet based access have been purchased.

14 department libraries are functioning in all the departments and are provided with 11749 books, 317 CDs and 572 Project Reports for the reference and use by the faculty.

Online Public Access Catalogue (OPAC) facility is being provided to all departments through Intranet. This connection facilitates searching of books and journals available in the central library directly from the respective departments.

#### A. Number of Volumes added

Department / Centre	As on 1 <sup>st</sup> March 2010	Books Added in 2010	As on 1st Jan 2011	Books Added in 2011	As on 1st Jan 2012
Civil Engineering	4678	711	5389	696	6085
Aeronautical Engineering	1302	237	1539	220	1759
Mechanical Engineering	6385	192	6577	778	7355
Mechatronics Engineering	2334	151	2485	363	2848
Electrical & Electronics Engineering	4853	181	5034	739	5773
Electronics & Instrumentation Engineering	1153	149	1302	237	1539
Electronics & Communication Engineering	6349	445	6794	961	7755
Computer Science & Engineering	6496	196	6692	732	7424
Information Technology	3407	10	3417	540	3957
Automobile Engineering	--	--	--	404	404
Computer Applications	4295	7	4302	1179	5481
Textile Technology	2398	104	2502	218	2720
Fashion Technology	1315	72	1387	51	1438
Biotechnology	1628	154	1782	259	2041
Business Administration	5082	543	5625	1060	6685
Science & Humanities	4437	133	4570	118	4688
General	10814	575	11389	994	12383
<b>Total</b>	<b>66926</b>	<b>3860</b>	<b>70786</b>	<b>9549</b>	<b>80335</b>

#### B. Online Journals package Subscribed

The following online journals packages are subscribed at the cost of Rs.16 lakhs for the year 2012.

1. IEEE ASPP Online
2. Springer (Electrical, Electronics & Computer Science Engg Collection)
3. Springer (Mechanical Engg collection)
4. ASCE eJournals package

5. McGraw Hill' Access Engineering
6. J-Gate Engineering & Technology
7. J-Gate Social & Management Sciences
8. AICTE Elsevier Biotechnology Package (online)
9. AICTE Elsevier Engg+Comp. Sci. Package (online)
10. ASTM Digital Library
11. Nature Publishing Group (Biotechnology – Nature, Scientific American)

### C. Total No. of Books and other Materials

Department / Centre	Titles	Volumes	Back Volumes	Project Reports	Non Books (CD, Floppy)
Civil Engineering	3450	6085	814	147	141
Aeronautical Engineering	3499	1759	1287	332	341
Mechanical Engineering	2574	7355	445	399	192
Mechatronics Engineering	3726	2848	907	199	538
Electrical & Electronics Engineering	2505	5773	796	724	1421
Electronics & Instrumentation Engineering	1348	1539	440	112	62
Electronics & Communication Engineering	1491	7755	413	180	705
Computer Science & Engineering	1382	7424	308	9	122
Information Technology	1194	3957	302	-	83
Automobile Engineering	525	404	-	-	38
Computer Applications	1531	5481	383	119	143
Textile Technology	818	2720	64	-	36
Fashion Technology	623	1438	23	-	12
Biotechnology	2785	2041	425	471	672
Business Administration	3644	6685	761	631	369
Science & Humanities	2270	4688	979	56	141
General	10493	12383	1219	-	283
<b>Total</b>	<b>43858</b>	<b>80335</b>	<b>9566</b>	<b>3379</b>	<b>5299</b>

**48. Internal resource mobilization : Kindly provide the amount contributed**

Research	<b>Rs.59.84 lakhs</b>
Consultancy and training	<b>Rs.8.81 lakhs</b>
Student contribution	<b>0</b>
Alumni contribution	<b>Rs.5.68 lakhs</b>
Well wishers	<b>0</b>

**49. Infrastructure and welfare spending: Please specify the amount**

Amount spent for infrastructure development	<b>Rs.1801.91 lakhs</b>
Amount spent for student welfare	<b>Rs.1904.68 lakhs</b>
Amount spent for staff welfare	<b>Rs.142.30 lakhs</b>

**50. Is delegation of authority practiced**

Yes. Delegation of authority is practiced from top to bottom in the governance of the institution.

**51. Does grievance redressal cell exist?**

	Yes	No
Faculty	✓	--
Students	✓	--
Staff	✓	--

**52. Grievances received from faculty and resolved ( Enter a number; 0 for nil)**

Number of grievances received	<b>06</b>
Number of grievances resolved	<b>06</b>

**53. Number of grievances received from students and resolved (Enter a number; 0 for nil)**

Number of grievances received	<b>08</b>
Number of grievances resolved	<b>08</b>

**54. Number of grievances received from other staff members and resolved (Enter a number; 0 for nil)**

Number of grievances received	<b>0</b>
Number of grievances resolved	<b>0</b>

**55. Has the institution conducted any SWOT analysis during the year**

Yes, the SWOT analysis is conducted by the institution to identify the different component of SWOT applicable to the institution. Each department is encouraged to conduct the SWOT analysis for self evaluation.

**56. The SWOT analysis was done by internal or by external agency**

- Internally by the faculty.
- Externally by leading HR consultants.

**57. Kindly provide three identified strengths from SWOT Analysis (in bullet format)**

- State of the art infrastructure, laboratory, class rooms and sports facilities.
- Employer friendly curriculum
- High level placements

**58. Kindly provide three identified weaknesses from the SWOT analysis (in bullet format)**

- Broad basing faculty recruitment who have national representation
- Need to encourage research articles and application for funded projects.
- Encouraging research patterns.

**59. Kindly provide two opportunities identified from the SWOT analysis (in bullet format)**

- Streamlining the curriculum to help students to get through NET / SLET / CSIR/ GATE.
- Developing job oriented diploma programmes.

**60. Kindly provide two identified challenges/threats from SWOT analysis (in bullet format)**

- Patent registration
- Soft skills development programmes for students



**61. Identify any significant progress made by the institution towards achieving the goals and objectives during the year (list below in bullet format)**

- Campus wide Wifi network
- Pre-placement training programmes
- Upgrading teaching, learning, research initiatives

**62. How do you perceive the role of NAAC in the quality development of your institution (Suggestions in bullet format to be given below)**

The NAAC helps in quality development

- Curriculum development
- Induction training for faculty
- Transparent evaluation methods
- Modern teaching methodology
- Student support programmes
- Adopting healthy practices
- Adopting policies from benchmarked institutions
- Upgrading research and development
- Strengthening the infrastructure

**Prof.M.Prasad Kumar**  
Name of the Chairperson, IQAC