

# **ANNA UNIVERSITY**

## **THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC**

**2014 – 2015**



**INTERNAL QUALITY ASSURANCE CELL  
(IQAC)**

**CHENNAI – 600 025**

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**2014-2015**

## **AQAR OF IQAC**

**JULY 2014 – JUNE 2015**

This is the AQAR prepared by IQAC of Anna University, for the four campuses of Anna University in Chennai, namely, CEG, MIT, SAP and ACTECH. The report relates to the period July 2014 – June 2015. This has been prepared under the direction of the Vice Chancellor in accordance with the National Assessment and Accreditation Council - Guidelines 2014, for the Submission of Annual Quality Assurance Report (AQAR) of IQAC in Accredited Institutions.

## **FOREWORD**

I am pleased to present the AQAR of Anna University confining to the four campuses of Anna University in Chennai, namely, CEG, MIT, SAP and ACTECH for the year 2014-2015 in accordance with the National Assurance and Accreditation Council – An Autonomous Institution of the University Grants Commission, Guidelines 2014, for the submission of Annual Quality Assurance Report (AQAR) in Accredited Institutions. The University has made significant strides in teaching, research and extension activities and has achieved pre-eminent position at international levels. The AQAR has been duly compiled and reported.

The AQAR will help in maintaining the quality consciousness which is crucial for sustaining excellence. It is a mechanism to build and ensure quality culture at the department level. AQAR is used for meticulous planning, guiding, and monitoring quality assurance and quality enhancement activities. All the departments channelize and systematize their efforts and measures towards academic excellence.

I thank all the members of the Syndicate and every individual surviving in Anna university whose contributions have made this University to achieve this stature and look forward to the continued co-operation, advice and guidance from all sectors.

**Prof. Dr. M.RAJARAM**  
**VICE CHANCELLOR**

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# PART – A

## 1. DETAILS OF THE INSTITUTION

**1.1 Name of the Institution**

Anna University

**1.2 Address Line 1**

Sardar Patel Road

**Address Line 2**

Guindy

**City/Town**

Chennai

**State**

Tamil Nadu

**Pin Code**

600025

**Institution e-mail address**

Vice Chancellor : vc@annauniv.edu  
Registrar : registrar@annauniv.edu  
IQAC Cell : iqac@annauniv.edu

**Contact Nos.**

Vice Chancellor : 044-22357001  
Registrar : 044-22352161  
IQAC Director : 044-22358993

**Name of the Head of the Institution:**

Prof. Dr. M. Rajaram

**Tel. No. with STD Code:**

044-22357001 (Office)  
044-22358400 (Residence)

**Mobile:**

9659513999

**Name of the IQAC Co-ordinator:**

Prof. T. Thyagarajan

**Mobile:**

9444104850

**IQAC e-mail address:**

iqac@annauniv.edu  
thyagu\_vel@yahoo.co.in

**1.3 NAAC Track ID**

TNUNGN10048

**1.4 NAAC Executive Committee No. & Date:**

12.02.2002

**1.5 Website address:**

www.annauniv.edu

**Web-link of the AQAR:**

http://www.annauniv.edu/pdf/AQAR2014-15.pdf

**1.6 Accreditation Details**

Sl.No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	5 Star Level		2002	2007
2	2 <sup>nd</sup> Cycle	A	3.46	2014	2019
3	3 <sup>rd</sup> Cycle	-	-	-	-
4	4 <sup>th</sup> Cycle	-	-	-	-

**1.7 Date of Establishment of IQAC :DD/MM/YYYY**

31.10.2012

**1.8 AQAR for the year**

2014-15

**1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC**

- i. AQAR 2013-14 16-07-2014 (DD/MM/YYYY) (Revised Guidelines)
- ii. AQAR 2013-14 07-07-2014 (DD/MM/YYYY)
- iii. AQAR 2012-13 07-07-2014 (DD/MM/YYYY)
- iv. AQAR 2011-12 07-01-2013 (DD/MM/YYYY)
- v. AQAR 2010-11 07-01-2013 (DD/MM/YYYY)
- vi. AQAR 2009-10 07-01-2013 (DD/MM/YYYY)
- vii. AQAR 2008-09 07-01-2013 (DD/MM/YYYY)
- viii. AQAR 2007-08 07-01-2013 (DD/MM/YYYY)

### 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 (PhysEdu)

TEI (Edu)       Engineering       Health Science       Management

Others (Specify)

1.12 Name of the Affiliating University (*for the Colleges*)



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

**Autonomy by State/Central Govt. / University** \*  
\*State University

**University with Potential for Excellence** \* UPE

\*UPE is in the advanced stage of sanction

**DST Star Scheme**  **UGC-CE**

**UGC-Special Assistance Programme**  **DST-FIST**

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

UGC - CAS/DRS DST – NHHID DBT SCHEMES MHRD - CEMA DST (PURSE) BIRAC NCSCM
---

**UGC-COP Programmes**

- UGC - CAS/DRS : Centre for Advanced Studies / Departmental Research Support
- DST – NHHID : National Hub for Healthcare Instrumentation Development
- DBT SCHEMES : (i) Enhancing Research Capacity & Integrated M.Tech & Ph.D programmes in Food Technology  
(ii) M.Tech BioTechnology Teaching Programme  
(iii) BioTechnology Information Systems
- MHRD - CEMA : Centre of Excellence for Training and Research in Biomedical Applications
- DST - PURSE : Promotion of University Research and Scientific Excellence
- BIRAC : Biotechnology Industry Research Assistance Council
- NCSCM : National Centre for Sustainable Coastal Management

## 2. IQAC COMPOSITION AND ACTIVITIES

2.1 No. of Teachers	<input type="text" value="9"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="8"/>
2.3 No. of students	<input type="text" value="2"/>
2.4 No. of Management representatives	<input type="text" value="2"/>
2.5 No. of Alumni	<input type="text" value="1"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="1"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="2"/>
2.8 No. of other External Experts	<input type="text" value="2"/>
2.9 Total No. of members	<input type="text" value="27"/>
2.10 No. of IQAC meetings held	<input type="text" value="8"/>

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

Non-Teaching Staff  Students  Alumni  Others

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

Quality Management Systems, Change Management & Capacity Building, Students TQM Certificate Course, Internal Quality Assurance, Quality Quest Competitions, Quality tools and techniques, Root cause analysis and corrective action “Urgent Need for bringing in Quality in the system of Higher Education” “Quality Circle for Academic Performance” “NAAC Awareness on Quality Systems in Higher Education” Creative and Innovative thinking “Intellectual Property Rights”.

## 2.14 Significant Activities and contributions made by IQAC

Have trained 423 +211 persons through quality improvement programs. Q-Quest, an annual conference to demonstrate quality practices to different realms of society i.e., schools, colleges and companies is progressing year by year. Stepping up Students’ Quality Council Activities is gaining popularity. With the experience in the formative stages of IQAC, mammoth of activities are planned for the upcoming period as given in the enhancement plan. Student’s Creativity and innovation lab is planned to commence with industrial support this year.

**Apart from the above, IQAC has contributed to the various milestones and achievements of the University in terms of infrastructure, Ranking & recognitions, Research & Development, Training programmes / conferences, MoUs signed and Grants received under various schemes as listed below:**

### (i) Infrastructure:

- The University has spent Rs.87.44 crore in 2014 and earmarked Rs.193.57 crore for 2015 towards creation of infrastructure facilities in 13 constituent colleges and 3 regional offices.
- “Knowledge Park” was inaugurated at CEG Campus in February 2014.

- The University has spent more than 65.00 crores in the year 2014-15 towards construction of Buildings and their maintenance at its main and MIT campuses and earmarked Rs.145.00 crores for the year 2015-16 for the above activities.
- Based on the Tamilnadu Solar Energy Policy 2012, the University has installed Roof-top Off-Grid PV system in the following campuses.
  - CEG campus (9 kW)
  - AC Tech campus (3 kW)
  - MITcampus (12 kW)

**(ii) Ranking and Recognitions:**

- As per QS (Quacquarelli Symonds) World University Ranking, Anna University is ranked 151-200 in the Global level and 7 in the National level in the subject of Mechanical, Aeronautical and Manufacturing Engineering.
- The University stands 2<sup>nd</sup> in India in 'h' index citations based on the research paper published by its faculty members and research scholars.
- There are 20 SAP (Special Assistance Programme) recognized Departments receiving long term grants from UGC.
- Anna University is occupying the 1<sup>st</sup> place in Tamilnadu and 7th place in the country for Access of E-Journal provided by UGC –INFLIBNET.
- DST has recognized 18 departments under FIST scheme to receive infrastructural grants.
- CUIC has received “Sustainable Institute Industry Partnership Award 2014” for the Outstanding Work done in establishing effective partnership with industries.
- Anna University has developed and deployed unmanned air vehicle (UAV) for surveillance and Rescue Operations. Using UAV, Anna University joined the rescue team to trace those trapped beneath the concrete debris at the building collapse site of Moulivakkam, Chennai and saved many lives and received awards from Hon'ble Chief Minister of Tamil Nadu.
- Anna University is identified as the SETNET partner (Solar Energy Training Network, MNRE) towards manpower development in the field of Solar PV through training programs under various levels and categories.
- EMMRC has won the National Award from the Ministry of Information and broadcasting, New Delhi for broadcasting a series of HIV/AIDS awareness programme, 'PUTHOLI', for the year 2014. EMMRC was awarded the third

prize for the Documentary film, "Sruthi Betham", in the Anbin Mozhi film festival organized by TAI-VHS in association with Nadodi Thiraipada Sangam, Chennai in September 2014.

- Institute of Remote Sensing, Anna University is awarded for Capacity Development in Geospatial Sciences and Technologies by Indian Geospatial Forum 2014, Hyderabad.

### **(iii) Research & Development:**

- University Innovation Cluster was established with financial sanction of Rs.2.3 crore by National Innovation Council and Biotechnology Industrial Research Assistance Council.
- Department of Biotechnology, Ministry of Science and Technology was sanctioned Rs.10.44 crores for the project entitled “DBT-Anna University Interdisciplinary Life Science Programme for Advance Research and Education” for 5 years from 2014-2019.
- Anna University is proud of having 13000 Ph.D. scholars on roll. A total number of 1072 Ph.D. and 20 M.S. (By Research) scholars were admitted during 2013-14. 1010 Research Scholars received their Ph.D degree in 2014. This is an “All time High” number of Ph.D. awardees in the convocation for Anna University and the highest number of Ph.D. awardees ever achieved by any other Technical University in India.
- About 368 Departments of affiliated Engineering Colleges and 75 Industry / R&D Units have been recognised as Research Centres. More than 2500 teaching staff / experts are recognized as supervisors by the University for guiding research scholars.
- During 2014-2015, 46 sponsored research projects were carried out by the faculty with a total value of Rs.18.57 core and earned Rs.15.39 crore through 498 consultancy services and Rs.39 lakh through 1129 testing work.
- The University's current h-index is 86, for the period from 1999 to 2014. The faculty members of Anna University have undertaken research projects to the tune of Rs.870 lakh during 2014.
- Anna University has filed 12 inventions for patents in 2014.
- More than 76 Companies visited the University and recruited 1198 UG Students and 331 PG students with a salary package ranging from Rs.3.25 lakhs to Rs. 24.65 lakhs per annum.

**(iv) Training programmes and conferences:**

- 182 students were provided internship with stipend and 521 students were sent for industrial training.
- Centre for Faculty Development, Anna University has organized a 10 day training programme to train the faculty to conduct Bridge Course in Mathematics, Physics and English. About 2,000 faculty members from 500 Engineering colleges in Tamil Nadu participated.
- Two international conferences were conducted in the field of Solar Energy Utilization & Polygeneration by Institute for Energy Studies.

**(v) MoUs signed:**

- NITTTAR, Chennai
- Director General of Police, Tamil Nadu
- The Corporation of Chennai, Chennai
- York University, Canada
- Dongguk University, Korea
- Auburn University, USA
- Hiroshima University, Japan

**(vi) Grants received for Schemes and Programmes during 2014-15.**

<b>Sl. No.</b>	<b>Name of the Scheme / Programme</b>	<b>Amount Received during 2014-15 (Rs.)</b>
1	DST - PURSE phase II	7,00,00,000
2	UGC Non-plan	15,71,07,242
3	Fellowships	1,75,28,030
4	UGC - Special Assistance Programme	72,99,783
5	UGC - Basic Scientific Research Scheme for SAP Department (BSR)	18,00,000
6	DST-FIST (Fund for Improvement of S & T Infrastructure scheme	2,15,00,000
7	Biotechnology Industry Research Assistance Council – University Innovation Cluster at Anna University, Chennai.	76,20,000
	<b>Total</b>	<b>28,28,55,055</b>

## 2.15 Plan of Action by IQAC/Outcome

The Choice Based Credit System (CBCS) has been introduced starting from the academic year 2015-2016. The students are offered academic flexibility in terms of choice of selecting their faculty members for a course and also choice of selecting professional and open electives. Through open electives, the students get opportunity to take up interdisciplinary courses which will help them greatly in their projects and higher studies. The CBCS curriculum also offers the students other benefits such as electives offered by industry, creative projects, etc.

2.16 Whether the AQAR was placed in statutory body: Yes  No

Management  Syndicate  Any other body

### Provide the details of the action taken

Host of activities are in progress in all corners of the University, Departments and Centres. Several plans are in good practice. IQAC advised all departments to document their plan for each and every activity which will help in reviewing the actual to identify the areas for improvement continuously in its IQA counsel meeting held on 17.06.2014.

All departments shall have the documented plan for all the activities. We operate on semester system having 2 semesters per year. Academic schedule is drawn prior to commencement of each semester. All Academic Schedules like classes, project reviews, internal & external examination, results, vocation, sports, Academic Calendar, etc., are being scaled in the beginning. Industrial Visits, Industrial training, seminars, conferences, workshops are planned in advance. Every student UG and PG are given Curriculum book which gives their plan for the complete graduation period.

## LIST OF 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



**Part – B**  
**CONSOLIDATED DETAILS AT UNIVERSITY LEVEL**

**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	8 (Faculties)	-	-	-
PG	81	3*	36(FT)	-
UG	31	-	17(FT)	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others (M.Phil)	6	-	-	-
<b>Total</b>	<b>118</b>	<b>3</b>	<b>53</b>	<b>-</b>

Interdisciplinary	8	4	4(FT)	
Innovative	2 (Vernacular Medium)	-	-	-

S.No.	PG PROGRAMMES ADDED IN REGULATIONS 2015
<b>FACULTY OF INFORMATION AND COMMUNICATION</b>	
1.	M.E. Computer Science and Engineering (Specialization in Big Data Analytics)
2.	M.E. Wireless Technologies
3.	M.E. VLSI Design and Embedded Systems

## 1.2 (i) Flexibility of the Curriculum: ✓ CBCS - Choice Based Credit System Academic Flexibility

For each programme, Curriculum of a semester shall normally have a blend of 5 or 6 lecture courses and laboratory courses not exceeding 2. In addition, Employability Enhancement Course(s) is also included.

Each course is assigned certain number of credits based on the following:

Contact period per week	CREDITS
1 Lecture Period	1
2 Tutorial Periods	1
2 Practical Periods (Laboratory / Seminar / Project Work / etc.)	1

### Flexibility to Add or Drop courses:

A student has to earn the total number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree. However, if the student wishes, then the student is permitted to earn more than the total number of credits prescribed in the curriculum of the student's programme.

From the III to VIII semesters, the student has the option of registering for additional courses or dropping existing courses. Total number of credits of such courses cannot exceed 6. However the maximum number of credits the student can register in a particular semester cannot exceed 30 credits (including courses for which the student has done reappearance registration).

### Provision for Withdrawal from Examination:

A student may, for valid reasons, (medically unfit / unexpected family situations / sports approved by Chairman, sports board and HOD) be granted permission to withdraw from appearing for the end semester examination in any course or courses in ANY ONE of the semester examinations during the entire duration of the degree programme.

### Break of Study from a Programme:

A student is permitted to go on break of study for a maximum period of one year either as two breaks of one semester each or a single break of one year.

## **Industrial Training / Internship:**

The students may undergo Industrial training for a period as specified in the Curriculum during summer/winter vacation. In this case the training has to be undergone continuously for the entire period.

The students may undergo Internship at Research organization/University (after due approval from the Department Consultative Committee) for the period prescribed in the curriculum during summer/winter vacation, in lieu of Industrial training.

If Industrial Training/Internship is not prescribed in the curriculum, the student may undergo Industrial Training/Internship optionally and the credits earned will be indicated in the Mark Sheet. If the student earns three credits in Industrial Training/Internship, the student may drop one Professional Elective. In such cases Industrial Training/Internship needs to be undergone continuously from one organization only. However, if the number of credits earned is 1 or 2, these credits shall not be considered for classification of the degree. The student is allowed to undergo a maximum of 6 weeks Industrial Training/Internship during the entire duration of study.

<b>DURATION OF TRAINING /</b>	<b>CREDITS</b>
2 Weeks	1
4 Weeks	2
6 Weeks	3

## **Industrial Visit:**

Every student is required to go for at least one Industrial Visit every year starting from the second year of the Programme. The Heads of Departments will ensure that necessary arrangements are made in this regard.

## **One Credit Courses:**

One credit courses shall be offered by a Department. The credits earned through the one credit courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. Students can take a maximum of two one credit courses. They shall be allowed to take one credit courses offered in other Departments with the permission of Head of the Department offering the course.

## **Online Courses / Self Study Courses:**

Students may be permitted to credit only one online course/Self Study course with the approval of Departmental Consultative Committee and Centre for Academic Courses. Students may be permitted to credit online courses (which are provided with certificate) with the approval of Departmental Consultative Committee and Centre for Academic Courses subject to a maximum of three credits. The student needs to obtain certification or credit to become eligible for writing the End Semester Examination to be conducted by Anna University. In case of credits earned through online mode from a University approved by appropriate authorities of Anna University, the credits may be transferred after due approval procedures from Departmental Consultative Committee and Centre for Academic Courses.

The student can opt for Self Study course provided the student does not have current arrears and earns a CGPA of 8.0 and above. The Department / Centre / Division may offer self study courses. The purpose of the course is to permit the student to study a course / a topic of the student's choice. The students shall study on their own under the guidance of a faculty member. No formal lectures need be delivered. The syllabus of the course and mode of assessments shall be approved by the Departmental Consultative Committee and forwarded to the Centre for Academic Courses for the formal approval of the course by the academic bodies, preferably One Faculty member approved by the Head of the Department shall be responsible for the periodic monitoring and evaluation of the course before the commencement of the semester. The self study course / online course of 3 credits is considered instead of one elective course.

## **Duration of the Programmes:**

A student is normally expected to complete the B.E. / B.Tech. Programme in 4 years (8 Semesters) but in any case not more than 8 years (16 Semesters). Each semester shall normally consist of 90 teaching days (including examination days).

## **(ii) Pattern of programmes:**

Pattern	Number of programmes
Semester	118
Trimester	-
Annual	-

### 1.3 Feedback from stakeholders\*

Alumni  Parents  Employers  Students

Mode of feedback : Online  Manual

Co-operating schools (for PEI)

Every programme for the semester concerned has a Class Committee, which is convened thrice in a semester. The members of the committee include the student representatives. It is one of the readily available forums to obtain the feedback from the students about the change required in curricula. Accordingly, if there is a justified need, the changes are incorporated in the subsequent year with the permission of Board of Studies.

The University has entered into MoU with several national and international Universities. One of the objectives of MoU is to facilitate faculty exchange programme. The faculty members visiting from other Universities give feedback on the curricula and syllabi. Online discussions are also held by the faculty members to upgrade the curricula to meet the global challenges.

The senior faculty members from affiliated colleges form part of the Syllabus Subcommittee, Board of Studies and Academic Council. The feedback of affiliated Institutions are obtained through them and discussed in all the above forums for possible incorporation.

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

#### **Frequency of Curricula Change:**

- The curricula and syllabi are **revised every four years** for both Under-graduate and Post- Graduate Courses
- However **additional courses as electives can be added to the Under-graduate and Post-Graduate curriculum as and when required** after getting approval from the Departmental Consultative Committee, Board of Studies and Academic Council.

- Similarly **special electives are added as and when required for offering to Ph.D students** after obtaining the approval from Doctoral Committee members, ratified by the Departmental Consultative Committee, Board of Studies and Academic Council.

### **Procedure followed for Curricula Design and Development:**

1. Meeting of Chairpersons of Faculties to decide Curricula & Syllabi guidelines such as :

- The Curricula of PG programmes shall be so designed that the prescribed credits required for the award of the degree shall be within the limits specified below:

<b>PROGRAMME</b>	<b>PRESCRIBED CREDIT RANGE</b>
M. E. / M. Tech.	65 – 75
M. C. A.	115 - 120
M. B. A.	90 - 100
M. Sc. (2 Years)	75- 80

- All the courses are outcome-based with clearly defined objectives.
- Innovative courses are Introduced by integrating Theory, Practical and Mini Project along with weightage for each of the category and evaluation criteria for the same.
- The number of credits in the first three semesters may range between 22-26 credits with appropriate mix of theory and practical courses.
- The curricula should have an appropriate mix of general, allied, core and elective courses.

2. Formation of Curricula and Syllabi by syllabus sub committee after several sittings:

- Special care is taken to introduce state-of-the-art electives sometimes acting as trend setter.
- Sometimes electives are brought into the core stream in keeping with current trends.

- Industrial training, case based studies, professional practice are introduced as part of the curriculum in keeping with industry demands
3. First version of Curricula and Syllabi is to be approved by the Department Consultative Committee.
  4. Board of Studies discusses and suggests modifications and approves the Curricula and Syllabi.
  5. Standing Committee approves Agenda to be brought to Academic Council
  6. The Curricula and Syllabi is approved by the Academic Council.
  7. Standing Committee Approves Minutes of the Academic Council.
  8. Final Approval of Curricula and Syllabi is done by the Syndicate.

**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
617	287	153	177	-

**NOTE: For the points 2.2 to 2.5, the details are provided by the respective Heads in the Department-wise AQAR**

2.2 No. of permanent faculty with Ph.D.

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

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

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

An enormous diversity in the curriculum (35 UG and 85 PG programmes) itself is the result of innovation in the application of various engineering and technology disciplines to address the emerging and futuristic developments in engineering and technology. Even comprehension and communication skill boosting subjects have been included to enhance the employability of the graduates. Semester abroad is a novel approach in human resource development for R&D based global competence. The teaching and learning experience in the University is one of the best (for students from a broad spectrum of socioeconomic background) owing to many innovations that include student feedback based resource mobilization, Computerized Academic Records Management System, academic audit, value-added courses on PPO model, Free Open Source Software (FOSS), e-resource. enriched library with facile accessibility, pioneering satellite communication based Faculty Development Programme (for the University and all its affiliated colleges) rarely seen in technical university, bridge and remedial courses for the needy, technical education in vernacular medium for inclusive growth and state-level placement centre with many innovative schemes.

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

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

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

**2.10 Average percentage of attendance of students**

**2.11 Course/Programme wise distribution of pass percentage :**

Particulars furnished in Annexure I

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



The evaluation of teaching learning process is facilitated through department class committee meetings, department consultative committee meetings, structured assessment tests, end semester examinations, online students feedback and academic audit.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Faculty Development Training Programmes conducted by the Centre for Faculty Development	547

**NOTE: The details of seminars / workshops / conferences conducted by the individual departments are provided by the Respective Heads in the Department-wise AQAR**

### 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	397	308	4	-
Technical Staff	389	269	-	-

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Remarkable research outcome has emanated from the University-Industry interactions initiated through several centres of excellence such as Center for Research, Centre for Technology Development and Transfer, Crystal Growth Centre, Centre for Nanotechnology, Centre for Energy Studies, Centre for Water Resources, Centre for Environmental Studies and Centre for University-Industry Collaboration. With 29 national level MoUs and 57 international level MoUs, several initiatives have been taken to sensitize the student community and industries towards research. The National Health System Resource Centre (NHSRC) has joined hands with Anna University to pool up Healthcare based patents for speeding up the process of awarding patents. NHSRC has also involved our University to evaluate the proposals submitted to NHSRC in terms of feasibility of commercialization. Already, the University is part of Instrumentation Development Programme of DST for evaluating proposals submitted for development of Medical Devices.

Internships are offered by prestigious organizations such as Microsoft, Morgan-Stanley, Samsung, Code Nation, Amazon, Works Application and Citicorp. As part of Corporate Social Responsibility (CSR) initiatives, Cognizant has established a Research Lab on security and an Open-Source software lab. Accenture has established Innovation Lab. TCS and Cognizant are giving awards for faculty members and students based on their academic / research achievements. The University enables employees of industries to pursue research from their work place, if the industry's R&D labs are recognized as Research Centres by Anna University, through a formal procedure.

Strong University Industry interaction programmes are in progress in AU TVS Centre for Quality Management. During the interactions, good ideas emanate on research programmes. Institutions get empanelled as a potential research base recognized by Anna University. Employees from such organizations take up research programmes. Training programme delegates also pursue research programmes. Through these forums, IQAC synthesizes promoting practical research climate.

#### 3.2 & 3.3 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	15	31	46	104
Outlay in Rs. Lakhs	851	1238	2090	-

#### 3.4 Details on research publications

	International	National
Journals	661+378	30+18
Conference proceedings	141	38

### 3.5 Details on Impact factor of publications

Overall h-index :

86

NOTE: The details of impact factor of publications for the individual departments are furnished by the Heads of the respective departments as given in the department wise AQAR details.

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

Nature of the project Major projects	Duration Year	Name of the funding agency	Total grant sanctioned	Received
1	3 years	CSIR	1307000	353750
2	3 years	CSIR	1732000	690173
3	3 years	DBT	6261000	4550000
4	3 years	DBT	3480000	2180000
5	3 years	DBT	5845000	1111270
6	2 years	DRDO	3563000	3444067
7	3 years	DRDO	3379980	2555220
8	1 year	DRDO	2497800	1348746
9	2 years	DRDO	4406000	3993000
10	2 years	DRDO	1112760	578880
11	3 years	DST	6561800	5300600
12	3 years	DST	5022000	4478000
13	2 years	DST	60000000	19658218
14	3 years	DST	2478000	1690000
15	3 years	DST	2450000	1900000
16	3 years	DST	1353000	620000
17	3 years	DST	1840000	720000
18	3 years	DST	1254000	430000
19	3 years	DST	2500000	450000
20	3 years	DST	5453000	2600000
21	2 years	DST	1771600	1042600
22	3 years	DST	2979024	500000
23	3 years	DST	2685000	500000

24	3 years	DST	1880000	350000
25	3 years	DST	3470000	600000
26	3 years	DST	7996400	6224000
27	3 years	DST	3170540	1989800
28	3 years	DST	1254000	430000
29	2 years	DST	500000	230000
30	3 years	DST	3800500	1622500
31	3 years	SERB	5565000	2000000
32	3 years	SERB	2693000	1400000
33	3 years	SERB	2114277	214277
34	1 year	SPC	499100	349100
35	6 months	SPC	568960	399000
36	2 years	UGC	2142814	1071407
37	18 months	UGC	11200000	2060000
38	1 year	UGC	11200000	700000
39	6 months	UNICEF	839575	400000
40	2 years	CPRI	3160660	2000000
41	6 months	DOE	198000	1438000
42	1 year	State Planning Commission Chennai	499520	449000
43	1 year	Tamil Nadu Police Department	9500000	3800000
44	6 months	Lucid Software Ltd	310000	279000
45	2 years	MNRE	4531000	2095000
46	2 years	Petroleum Institute, Abu Dhabi	1998470	1148118

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

ii) Without ISBN No.

**NOTE:** The details pertaining to the individual

departments are provided by the respective Heads of the Departments as enclosed in the department wise AQAR details

**3.8 No. of University Departments receiving funds from**

UGC-SA  AS  DST   
DPE  DBT Scheme/f

**3.9 For colleges : NOT APPLICABLE**

**3.10 Revenue generated through col**

**For Points 3.11 to 3.14, the details pertaining to the individual departments are provided by the respective Heads of the Departments as enclosed in the department wise AQAR details**

3.11 No. of conferences organized by the Institution

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   
 Total

3.16 No. of patents received this

Type of Patent		Number
National	Applied	16
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

**For Points 3.17 & 3.18, the details pertaining to the individual departments are provided by the respective Heads of the Departments as enclosed in Annexure**

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

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

JRF  SRF  Post Fellows

Any other: (Anna Centenary Fellowship)

**3.21 No. of students Participated in NSS events:**

National level University level  State 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:**

National level University level  State level   
 International level

**3.24 No. of Awards won in NCC:**

National level University level  State level   
 International level

**3.25 No. of Extension activities organized**

College forum     
 YRC

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

- i. CEG Tech Forum – Kurukshetra January 2015
- ii. Art Society- Techofes February 2015
- iii. The wall painting on either side of the Anna University main gate was done as a part of “Conquer the Concrete – Street Art Festival, Chennai”. The festival is organized by the Goethe-Institute Chennai in cooperation with Chennai City Connect and the participation of Corporation of Chennai, Southern Railways, SPI Cinemas, Anna University – School of Architecture and Planning.
- iv. M.Arch. Students of SAP were involved in complete Listing of all Heritage buildings in St.Thomas Mount Area as part of INTACH’s listing of all heritage buildings in Chennai.

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Campus	Existing (In Acres)	Newly created	Source of fund	Total
Main Campus	183.18	-	-	183.18
MIT Campus	51.49	-	-	51.49
Tharamani Campus	5.00	-	-	5.00
Highways Campus	12.00	-	-	12.00
Total				251.67 Acres

**NOTE: The details pertaining to the individual departments are provided by the respective Heads in the department-wise AQAR**

#### 4.2 Computerization of administration and library

The Computerization of administration is completed in the following areas through ADaMS (Administrative Data Management System) developed and maintained at KDC.

The following services are rendered through ADaMS:

- a) GPF processing for University employees
- b) CPS processing for University employees
- c) Student fee collection through online and DCB preparation.
- d) Faculty Information System through online.
- e) Faculty advisor assignment, defaulters list and student fee related services

The following e-services are under development

- a) Bill Processing

The following service is automated and rendered through RCC

- a) Salary processing for all university employees.

### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value Rs.	No.	Value Rs.	No.	Value Rs.
Text Books	824	3,92,012.00	186	86,358.00	1010	4,78,370.00
Reference Books	625	14,28,723.00	146	8,98,820.00	771	23,27,543.00
e-Books	87	13,10,403.00	----	----	87	13,10,403.00
Journals (Indian)	110	2,26,289.00	Nil	----	110	2,26,289.00
Journals (Foreign)	102	36,58,987.00	Nil	----	102	36,58,987.00
e-Journals	10,000+	-----	Nil	-----	10000+	87,47,282.00
Digital Database	----	----	----	----	----	----
CD & Video	----	----	----	----	----	----
Others (specify)	----	----	---	----	----	----

**For Points 4.4 to 4.6, the details pertaining to the individual departments are provided by the respective Heads in the Department-wise AQAR**

4.4 Technology up gradation (overall)

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

4.6 Amount spent on maintenance in lakhs for ICT, Campus infrastructure and facilities, Equipment & others:



## Criterion – V

### 5. Student Support and Progression

#### 5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC supports student support activities like the following by periodic advice. The University's hallmark annual meets like Kurukshetra, Techofest and Mitafest have earned international recognition for its intellectual content and benefits to the student community. A number of curricular, co-curricular and extra-curricular activities are regularly conducted for students through NSS, NCC, YRC, Rotaract, Leoclub, Green Brigade, Literary Club, Computer Robotics club, Quality club, etc. Centre for Technology Development and Transfer has introduced "Student Research Support Scheme" for encouraging students to undertake innovative research projects with financial support. IQAC will facilitate this through Students creativity and innovation cell to get started shortly. Students take active part in running their mess and in hostel upkeep, willingly become representatives of curricular, co-curricular and extracurricular bodies to involve in organizing various activities ranging from cultural to placement .IQAC facilitated industrial visits to learn about good mess facilities. Through Students Quality Club, where student come from different branches and different years, string of programs are conducted to enhance their skills

#### *Value Added Programs*

- By value added programs, members will be taught several skills like photo shop, quality tools techniques etc. By seniors members of the club member can prefer the topic they want 5 'S' & QC
- Quality circle project is the real time project taken by the members of quality club to solve an existing problem by using the quality tools and techniques with team effort and co-ordination, the project serves a platform for the students to improve their knowledge on quality by doing.

#### *Group Discussion*

- Every GD is presided over by an eminent debater who listens to the discussion throughout and goes through the plus and minus and plants some vital ideas on the participants mind. GD competition is organised at the end of GD orientation.

#### *Guest Lecture*

- They are of the flagship programs of SQC. These programs are conducted by eminent personalities from both the industry and academia. It helps students see beyond the boundaries of books and the happenings of the real world.

#### *Industrial Visits*

- There will be a regular industrial visits to get the real time experience of the latest events in the industries. The industrial visits will be mostly in an around Chennai in our supporting companies, perior registration will be required for these industrial visits after they have been announced.

### *Events*

- Path finder, Welvaart, Heptathlon, Group Discussion & Management games

### *Newsletter*

- Quality express is the bi-monthly newsletter from the house of students Quality club to promote and spread quality concepts among the members

### *Membership*

- A Student studying in the University departments, Anna University (CEG, ACT, SAP & MIT) can become a member of Student Quality club.

## **52 Efforts made by the institution for tracking the progression**

No Objection Certificate form shall be re-designed with space for student's progression

**For Points 5.3 to 5.5, the details pertaining to the individual departments are provided by the respective Heads in the Department-wise AQAR**

5.3 (a) Total Number of students

(b) No. of students outside the state

(c) No. of international students

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

No. of students beneficiaries

5.5 No. of students qualified in these examinations (NET, SET/SLET, GATE, CAT, IAS/IPS, State PSC, UPSC, Others)

### **5.6 Details of student counselling and career guidance**

Anna University has Career Guidance and Counselling Cell headed by a coordinator. The counselling cell periodically conducts sessions on Core Competency Development . The following are the programme conducted during 2014-15.

- One week course on “**Python Skills**” required for IT industry was conducted during 02.02.2015 to 06.02.2015. Two batches of students from CEG & MIT consisting of 30 students attended this programme.
- One week programme on “**Challenging Opportunities in Indian Civil Service**” during 23.02.2015 to 27.02.2015. Forty two pre-final year students got benefited in this programme.
- Career Guidance books worth around Rs. 2 Lakhs were purchased for the benefit of students.

No. of students beneficia

72

## 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
183	3133	1830	10% to 12%

## 5.8 Details of gender sensitization programmes

The Centre for Empowerment of Women organized an awareness programme for both men and women staff and students in connection with the celebration of International Women's day.

1. **Dr I.S.Parveen Sultana**, Professor, Department of Tamil, JBAS Women's College, Chennai and **Dr.P.Saron Senthilkumar**, Professor, SRM Film Institute, Chennai, gave a talk to the staff and students (both men and women) of Anna University on **5<sup>th</sup> March 2015**. Both the speakers spoke on the gender equality and sensitized them.
2. As the incident rate of the dreaded disease, Cancer, is increasing day by day, it is essential to create awareness among our staff and students (both men and women) of Anna University with regard to its various screening methods, adapting better lifestyle to minimize the incident of cancer. In this context the Centre for Empowerment of Women has arranged awareness talk programmes by famous Oncologists of Chennai, keeping in view of the better understanding of the health of each gender particularly of Cancer. **Dr.G.Kalavathy, Radiation Oncologist**, Centre Head – **Penn Nalam** spoke about the causes of cancer among women and the prevention of cancer and also the need for understanding and moral support by the husband and other members of the family in combating the disease. **Dr.S.G.Ramanan, Consulting Medical Oncologist, Apollo Hospitals & and Founder Trustee – Cancer Research and Relief Trust** spoke about the causes of cancer among men and the prevention of cancer and also the need for suggesting to adopt a good life style.

These programmes were jointly organized by the Centre for Empowerment of Women, Health Centre and Aakriti, Girls' Forum, CEG and POSH – Prevention of Sexual Harassment Cell, Anna University.

## 5.9 Students Activities

For points 5.9.1 & 5.9.2 Please refer Annexure II from Anna University Sports Board for the complete details of Sports activities

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

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

### 5.10 Scholarships and Financial Support

CEG:

Description	Number of students	Amount
Financial support from institution	92	9,29,300
Financial support from government	3397	4,97,50,258
Financial support from other sources	55	13,99,300
Number of students who received International/ National recognitions	3544	5,20,78,858

ACTECH:

SL.No	Descriptions	Number of Students	Amount in Rs.
1	Financial Support from Institution	31	4,41,870
2	Financial Support from Government	607	1,14,45,200
3	Financial Support from Other Sources	15	2,20,000
4	Number of Students who received Internation/National recognitions	0	0

SAP:

	Number of Students	Amount (Rs.)
<b>Financial support from institution</b>		
Dr.M.G.R. and Thiru Quaid-E-Milleth Endowment Scholarship	8	40000
<b>Financial support from government</b>		
BCM Scholarship	1	30000
Disabled Scholarship	1	42200
BC/MBC Scholarship	12	75900
SC/SC/SC(A) Scholarship	5	67450
Total	19	215550
<b>Financial support from other sources</b>		
<b>GATE</b>	6	638400

M.Arch. General	13	1383200
M.Plan.	19	2021600
Total		
Number of Students who received International / National recognition	7 (International) 1 (National)	-

MIT:

	Number of Students	Amount Rs.
Financial support from Institution by Endowment	44	4,12,400/-
Financial support from Government	1091	1,79,38,449/-
Financial support from Other Sources	14	5,95,131/-
Number of student who received International recognitions	4	Tuition Fee Waived
Number of student who received national recognitions	107	12,14,000/-

### 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:

Anna University shall strive towards a World Class Institution by producing professionals with high technical knowledge, professional skills and ethical values. The University shall be a preferred partner to the industry and community for contribution towards their economic and social development by providing high quality manpower through excellence in teaching, research and consultancy. Anna University shall be recognized as a point of reference, a catalyst, a facilitator, a trend setter and a leader in technical education.

##### MISSION

Anna University shall contribute to the educational, economic and social development:

- By producing students who are intellectually and technically equipped with well defined knowledge, skills and ethics who are creative thinkers, inspiring leaders and contributing citizens
- By introducing high quality academic and research programmes and providing extension services in cutting edge technologies
- By ensuring a supportive campus climate with dynamic leadership and development opportunities to meet the needs of the students, faculty and staff
- By enhancing academic productivity through induction of quality faculty, accelerated graduation, credit banking, augmented continuing education opportunities and adoption of current technology
- By sharing the intellectual resources and the infrastructural facilities among the academia from other institutions and among the industrial society, funding agencies and government
- By enhancing the collaborative partnership between Industry and Institute for commercializing and transferring the latest technological know-how towards societal development
- By setting up a Global University Network Campus that embodies the ideals of an open, democratic and global society catering to the needs of the global community and satisfying cultural, ethnic and racial diversity
- By expanding global participation spread across continents with the aid of interactive satellite based education and the usage of digital library
- By enriching the national and international character of the University
- By ensuring efficient administrative coordination and effective decision making through necessary reforms and by strategically allocating resources

- By benchmarking against technologically sound global leaders with a view towards continuous improvement

## 6.2 Does the Institution has a management Information System YES

The University has the following Management Information Systems.

- ADaMS (Administrative Data Management System) developed and maintained at KDC.
- ARMS (Academic Records Management System) developed and maintained at ACOE.
- Student Information System at office of Dean.
- Faculty Information System maintained at KDC.

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

### 6.3.1 Curriculum Development

Courses offered reflect emerging trends in the field of studies and many of them interdisciplinary in nature. Board of studies meet periodically to develop the curricula for new programmes as well as to review the existing programmes. Curriculum is periodically reviewed in accordance with the institutional goals and objectives and external experts also involved in updating. Computer programming and practice courses introduced to all first year under graduate students. Conduct of Certificate courses to meet the emerging / changing trends may be strengthened. The best curricular diversity in technical education with rare-to-find and innovative courses in specialized or emerging or industrially important areas. Regular and frequent revision of the syllabi by experienced researching academicians and active industrial experts .Model curriculum with emphasis on good fundamentals, advanced knowledge, scope for diversified learning through electives and practical as well as research orientation through a semester of student project in UG and two semesters in PG.

### 6.3.2 Teaching and Learning

Lecture method is predominantly followed, however most of the departments are using modern teaching methods and aids. The faculty tries to make learning student centric through participation in seminar, group discussions, case studies, field work and project work. ICT enabled teaching-learning is augmented in a few departments. Students and faculty are motivated to make optimal use of library learning resources. The use of multi-mode and multi-media technologies such as traditional chalk & talk, OHP, smart boards, LCD projectors with PowerPoint slides, video clips provide the right blend of teaching aid to match delivery requirements. Teaching and guidance by researching faculty help to keep the students highly motivated in the latest developments of a subject and obtain authentic advanced knowledge, research-orientation and professionally helpful projects. Use of assignments, case-study

methodology, review of journal papers etc develop the analytical ability, decision making skills, ethics and multidimensional aspects and approaches to problem solving or development. Industrial visits, teaching of elective subjects and guest lectures by senior professionals and experts from industry, projects in association with industries etc provide the best industry-oriented practical learning experience to students. Semester system with three internal tests and an end-semester examination with equal weightage for both provide adequate and continuous assessment of a student on his/her strengths and weaknesses. Subject-wise compulsory and detailed feedback by students on the quality and several outcome of teaching by faculty, its review by Head of the Department and Vice Chancellor himself along with the faculty for their improvement. Class Committee consisting of faculty and student representatives to monitor the academic progress and quality of a class every semester for each branch.

### **6.3.3 Examination and Evaluation**

Continuous evaluation with 50 percent internal component and 50 percent end semester marks / grades. Evaluation an integral part of teaching process and done at departmental level .Examination procedures and transparent and students' grievances relating to examination are addressed expeditiously. Academic Records Management System (ARMS) software custom developed for Anna University in storing, evaluating and tracking the students' academic details has brought lot of credibility and transparency to the evaluation system.

### **6.3.4 Research and Development**

University provides 150 Anna Centenary Research scholarships per year to full time Ph.D. scholars. University facilitates young faculty to undertake research by providing seed money. The University has satisfactory infrastructural facilities for research and development which require timely augmentation. Appreciable number of externally funded project from various agencies to all departments and individual faculty members. Active leadership initiatives in research fund mobilization. Research funds administration and accounting streamlined through software. Excellent infrastructure for research in the University for all disciplines and special centres created for high end research activity in frontier areas. Emerging areas and advanced high end computational facilities created for developing research competence. University has started publishing Research Journal. Establishment of several national facilities owing to capabilities to pursue inter disciplinary research in a variety of areas.

### **6.3.5 Library, ICT and physical infrastructure / instrumentation**

The emphasis on research orientation in the University learning facilitate students to access research laboratories, interact with faculty and research scholars, and use



sophisticated instrumentation facilities available in various departments. Being strategically located close to several reputed Central and State Institutions like IIT-M, the faculty, scholars and students have convenient access to their resources, a major reason for the progress of Anna University. Initiatives taken for the following:

- ❖ Networking of all libraries
- ❖ Digitization of all Ph.D. theses.

### **I.C.T. infrastructure:**

#### **Virtual Research Lab (VRL)**

The servers are implemented with the VMware and VDI Solutions which facilitates a Virtual Research Lab (VRL). VRL provides echnological benefits to researchers, it standardizes applications and processes, provisions software, resources and management of data, reduces total cost of ownership, cuts resource management costs including power and cooling, raises server utilization and software licenses, reducing purchasing requirements and optimizes resource allocation. VRL delivers the most advanced software and hardware resources and services to the researchers of all department in the University. The VRL is installed with MATLAB and QUALNET software, which are used by the faculty and students of all departments. These VRL installed software provides fast data sharing and high processing applications for the complex research operations, which in-turn has reduced the time and effort for computations in research activities.

#### **Smart Class Room & e-Notice Board Facilities**

In all the four campuses, 80 class rooms are converted to Smart Class Rooms. Each class room is equipped with Interactive white Board, Interactive Pad, Electronic Podium, Visualizer, Multimedia Projector and a 46” LCD display unit with a provision for video-conferencing and other communication facilities such as WiFi & internet.

Campus wide Information Display system(eNotice Board-eNB) has recently been established in the campus. Each department/Centre is provided a LED display unit with media player, through which information are disseminated in the hierarchical level (Registrar, Dean, HOD) to the academia. It enhances the conventional notice board system. In the first phase, eNBs have been installed in 65 locations, at all the four campuses.

#### **VoIP (Intercom) Facility**

Telephonic communications service in the University campus has been enhanced using Voice over IP (VoIP) technology. VoIP services are installed with 2400 analog ports and 600 IP ports serving from one main Enterprise Communication Server and six Remote Shelves. VoIP services such as call mobility, call monitoring, broadcasting and direct landing facility has also been included in service delivery.

#### **Video Conferencing Facility**

Video Conferencing system available in the University facilitate on-demand and live streaming services to the University for the benefit of students and faculty members to share their knowledge and research expertise globally. University has a dedicated video streaming server, ten high definition series VC units with a 16 port MCU.

### **Network Facilities**

Anna University Campus Network covers more than 50 buildings spread over 100 hectares with Single and Multimode Fibre Optic Cable backbone with high capacity Active Network Gigabit Components. RCC provides and supports the Intranet and Internet connectivity to MIT (15km away) and Taramani (10km away) campuses by an 8 Mbps Bandwidth leased line.

- ❖ 135 Mbps leased line is provided for Internet activities.
- ❖ In addition, Government of India has provided 1Gbps internet bandwidth for connecting research institutes under the National knowledge Network (NKN) Scheme.
- Campus Network (wired and wireless) is having a Backbone of 10 Gbps capacity to support network active devices.
- A Secured Wireless Access Connectivity (Wi-Fi) is provided to all the four campuses extending upto the hostels with more than 100 outdoor and 200 indoor access points so as to enable users access the facility anywhere, anytime and any form.
- Campus Network facility is stretched to the length and breadth of the university, to facilitate connectivity to staff quarters and hostels, enabling them to work off office hours.
- Campus Network consists of more than 150 manageable networking devices having a working range of 10/10/10000 Mbps to 10 Gbps. All the departments of the university put together, campus network connects more than 6000 desktop systems.

The computing and network backbone facility enables researchers' faster access to digital library, web articles, recent conferences, paper submissions, webinars, video lectures, online advanced study material, latest research presentation slides, research forums, and online books.

### **Internet Tree**

Anna University has provided Wi-Fi hotspots, which allows Internet access to the researchers and students using their laptops and other portable digital devices round the clock. These Wi-Fi hotspots are called Internet Trees at Anna University. Each hotspot also includes recharge facility to the laptops and other portable digital devices. It is a runaway hit among the research and student community. More than seven such Internet

Trees have been established in the university departments/campus. The Internet tree enables the researchers to

1. Access to digital library. Besides the known advantages of access to digital library, researchers can access them at their own space and time.
2. Besides the known benefits of information and data gathering in the internet, the researchers can compute and access lab servers at their own space and time.

Anytime, anywhere computational and data facility provided through Internet trees has a definite positive impact on the research productivity as it had made information access space and time simplified.

### **Computational & Network Facilities**

Anna University has upgraded from time to time the computing facility by installing latest computer systems to cater to the computing needs of the faculty, research scholars, students and university administration.

Anna University's Server Farms has a range of latest servers and data storage devices to cater to the computing and storage needs of the university. IBM XEON Server, IBM Netfinity Servers with SCO UNIX, Solaris, Linux and Windows 2008 Server Edition and Windows 7 Desktop operating systems are some of them. In addition to the above, many powerful servers from various departments are also linked to the Ramanujan Computing Centre's network to provide enhanced facilities to the researchers. High end computing nodes are in the network of RCC. An Internet lab functions 24 X 7 in which internet service is provided by Ramanujan Computing Centre to researchers, staff and students of the university departments of Anna University.

#### **6.3.6 Human Resource Management**

F.D.T.P. for Teaching staff on Training the trainees - NASSCOM, Microsoft, Training the trainees for conduct of Bridge course.

#### **6.3.7 Faculty and Staff recruitment**

Faculty and staff are recruited following University guidelines through a selection committee constituted by the University. The recruitment is based on API scores.

#### **6.3.8 Industry Interaction / Collaboration**

The Centre for University – Industry Collaboration interacted with the industry on the following Industry Academia Initiatives which enhance the quality level concepts and

implementable ideas both in academia as well as industry with specific reference to students and faculty members.

### **RNTBCI – CSR Initiative:**

Signing of **LoI with Renault Nissan Technology & Business Centre India Private Limited (RNTBCI)** to carry out the following objectives:

- **60 scholarships** to the students studying in the University Departments to the tune of **Rs.54 Lakhs**.
- Value Added Course for **600 pre-final year** engineering students of affiliated colleges to the tune of **Rs.17 Lakhs**.
- To train **60 students** of University Departments on Quality Improvement Programme to the tune of **Rs.10 Lakhs**.

### **Conduct of Mobathan Event for Daimler Financial Services:**

CUIC, Anna University jointly with M/s Daimler Financial Services successfully conducted a Mobile App Contest (MOBATHON) for the benefit of the students studying in the affiliated colleges of Anna University. The event organized in 3 zones namely Madurai, Coimbatore & Chennai on 20.07.2015, 21.07.2015 & 22.07.2015. 20 teams participated in the final event was held at CUIC, Anna University on 29<sup>th</sup>& 30<sup>th</sup> July 2015 and 3 teams were adjudged for prize money. 1<sup>st</sup> Prize and 2<sup>nd</sup> Prize two teams of CEG and 3<sup>rd</sup> prize to students of SSN College of Engineering.

### **Conduct of Robotic Event for Caterpillar India:**

The Caterpillar India sponsored this event for the academic year 2014-15. Each team from CEG & MIT have participated and 1<sup>st</sup> prize won by CEG students. This event was facilitated by CUIC, Anna University. This year, Caterpillar India approved two teams from CEG & two teams from MIT can participate in the event for the academic year 2015-16.

### **Conduct of Saksham Faculty Development programme** sponsored by M/s Microsoft:

CUIC coordinated One Week Faculty Development Programme (**FDP**) by name ‘Saksham’ sponsored by **Microsoft** for the teachers working in the University Departments of Anna University. 20 faculty members of Non-IT background got benefited by this programme.

#### 6.3.9 Admission of Students

- CBCS is introduced to attract good students.
- Additional hostel facilities are created to provide accommodation for all the needy students
- Additional amenities are provided for NRI students

#### 6.4 Welfare schemes for

6.5 fund	Teaching	Participation in conferences – National / international Encouraging rendering consultancy service Encouraging membership fee in professional bodies Health insurance Sports facilities Loans for house building, vehicles, etc. Sponsorship Residential quarters AnnaGem Science park school for children Festival advance	Total corpus generated: Through Consortium : Rs. Through Endowment : Rs.
Total	Non teaching : Rs. 4,32,64,500/-	Educational loans Residential quarters AnnaGem Science park school for children Festival advance	
6.6 has 6.7	Students	Scholarship Research fellowship Tuition fee concession State welfare scheme to make every student possess a computer and empower them with IT power.	<b>Whether annual financial audit been done:</b> Aud  <b>Whether Academic and Administrative</b>

#### Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	-	-	-	-

Administrative	Yes	A.G.Audit	Yes	Internal Audit & Concurrent Audit
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**6.8 Does the University/ Autonomous College declares results within 30 days?**

For UG Programmes Yes

For PG Programmes Yes

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

- Photocopies of the answer scripts given to the student on demand
- Choice based credit system has been introduced from 2015 in which relative grading system is introduced.

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

- The role of Centre for Academic Courses is to administer all academic matters of the University Departments and Affiliated Engineering colleges coming under Anna University Chennai.
- Centre for Academic Course is responsible for organizing meetings of all Academic bodies such as Academic Council, Board of Studies, Standing Committees and Syllabus Committees. The members of Academic Council include the Principal/ Senior faculty of University Departments, Constitutional Colleges, Affiliated Engineering colleges and members from Industries. The Academic Council plays key role in all the Academic Activities of University Departments, Constitutional Colleges, and Affiliated Engineering colleges. The Board of Studies (BOS) at each institutional level is empowered to recommend syllabus/curriculum changes or changes to the evaluation/assessment methods.
- The Centre for Academic Courses provide permanent affiliation for colleges which helps them to go for seeking autonomy. The application for autonomy from the colleges are forward to UGC after proper scrutiny and necessary support.

**6.11 Activities and support from the Alumni Association**

University-level Alumni meet and Department-wise alumni meet are conducted every year. Alumni provide scholarships, placement training, guest lectures and mentoring for their juniors.

The Alumni association of MIT has given financial support to 62 students of B.E/B.Tech (I to IV years) as renewal / fresh scholarships

### **6.12 Activities and support from the Parent – Teacher Association**

Parent-Teacher meetings are conducted by the HODs the details of which are provided in the Department-wise AQAR

### **6.13 Development programmes for support staff**

10 days Programme conducted titled "Capacity Building and Change Management" from 11.03.2013 to 22.03.2013 (excluding 16th & 17th March).

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

Green campus with landscaping and eco-friendly maintenance initiated. Old buildings are being renovated and maintained periodically with adequate budgetary allocations. The Estate Office is equipped to address the on-call maintenance needs. Faculty and staff quarters, post office, banks, ATMs, children day-care centre and recreation centre on campus. Effects are taken for Carbon Neutrality. Use of renewal energy is in practice. Water harvesting is functional. Steps initiated for e-waste management. Green computing of the campus is being formalized.

## 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.

- Introduction of CBCS (Choice Based Credit System) for both UG and PG programmes of university Departments.
- Expert video Lectures for selected core subjects for introducing & motivating the interest on the subject to the student community are being made available.

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

With the Plan and Academic Calendar for the Year 2015-16 action will be taken for implementing the plan to bring out results.

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

Details are provided in Annexure III

#### 7.4 Contribution to environmental awareness / protection

- A National Seminar on 'Industrial Wastewater Treatment (IWWT 2015)' was conducted on 23<sup>rd</sup> March 2015. About forty participants from various industries and academic institutions attended the seminar. The main objective of the seminar was to allow the industrial effluents to be disposed of without danger to human health or unacceptable damage to the natural environment. The main focus was given to the various technologies adopted to treat the industrial wastewater to remove the various pollutants viz., heavy metals, pesticides etc., present in the wastewater and the pathogenic microorganisms.
- World Environmental day was celebrated on 5<sup>th</sup> June 2014 at the Centre for Environmental Studies. Thiru. R Ananda Kumar, Former Advisor, Ministry of Environment and Forests, Government of India has delivered lecture on



“Environmental Impact Assessment” . The students of M.E Environmental Engineering, M.E. Environmental Management, Research scholars and the faculty members of CES attended the lecture. Finally saplings were planted in the College of Engineering, Anna University Campus.

- World Environmental day was celebrated on 5<sup>th</sup> June 2015. To create awareness on environmental protection, students from various schools were invited to attend the function. The students participated competitions viz., quiz, and drawing. The theme given was Seven Billion Dreams, One Planet, and Consume with Care and finally prizes were distributed to the winners.
- The Centre for Environmental studies is having collaboration with many industries inorder to commercialize and transfer the technologies for the development of society. For this, the consultancy services are offered by the centre. The environment is degraded by the pollutants generated by various means
- Solid waste management is one of the major challenges faced by many countries around the globe. Inadequate collection, recycling or treatment and uncontrolled disposal of waste in dumps can lead to severe hazards, such as health risks and environmental pollution
- Wastewater generated by industries viz., textile, and leather, tannery, electroplating and pharmaceutical is having many pollutants causing environmental degradation and health problems. To avoid this the wastewater is to be properly treated and the treatment is a process to convert wastewater which is water no longer needed or suitable for its most recent use into an effluent that can be either returned to the water cycle with minimal environmental issues or reused.
- Air pollution is a gas (or a liquid or solid dispersed through ordinary air) released in a big enough quantity to harm the health of people or other animals, kill plants or stop them growing properly, damage or disrupt some other aspect of the environment (such as making buildings crumble), Carbon monoxide, Sulfur dioxide and Nitrogen oxides are the important air pollutants.
- To identify the problem and protect the environment the Centre for Environmental Studies is offering consultancy services on “Water and Wastewater Processing/recycling, natural/biological waste and wastewater Treatment, Solid and Hazardous waste management, Air Pollution Control, Environmental Impact Assessment, Laboratory Design and Construction and Water Distribution and Sewerage Systems” with Ministry of Environment and Forests, Tamilnadu Pollution Control Board, Tamilnadu Water Supply and Drainage Board, Chennai Water Supply and Sewerage Board, Chennai Metropolitan Development Authority and Tamilnadu petroproducts Ltd.

7.5 Whether environmental audit was conducted?

NO

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

Details provided in Annexure IV

### 8. Plans of institution for next year

- About Rs.100.00 crores is planned to be earmarked for development of infrastructure pertaining to science, engineering and, technology and Power Generation from solar energy.
- Rs.20.00 crores is planned to spend towards design and development of Unmanned Aerial Vehicle (UAV) for security and disaster management applications requesting funds from Govt. of Tamilnadu. .
- The grants expected to be received towards Scheme and Programmes are given below:

Sl.No.	Name of the Scheme / Programme	Amt. in Lakhs
1.	Fellowships	455
2.	UGC - Special Assistance Programme (SAP)	49
3.	UGC - BSR One Time Grant to two Faculty Members	14
4.	DST - (Fund for improvement of S & T Infrastructure) FIST scheme	359
5.	National Hub for Healthcare Instrumentation Development (NHHID)	150
6.	Centre for Excellence for Biomedical Applications	100
7.	DBT - Builder programme and University Innovation Centre	1045
	Total	2172

Name \_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_  
Signature of the Coordinator, IQAC

\_\_\_\_\_  
Signature of the Chairperson, IQAC

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# 5.1 Civil Engineering

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. Of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
17	3	7	7	-

2.2 No. of permanent faculty with Ph.D.

16
----

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
1	-	2	-	-	-	-	-	-	-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	2	2	1
Presented papers	13	2	31
Resource Persons	0	7	14

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

Class room lectures combined with field visits and seminar talks by field experts.
--

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

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

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

2.10 Average percentage of attendance of students

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.E Structural Engineering	26	70	30	-	-	95%
M.E. Construction Engineering and Management	21	-	-	-	-	-

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

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	5
UGC – Faculty Improvement Programme	6
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	6
Staff training conducted by other institutions	4
Summer / Winter schools, Workshops, etc.	5
Others	-

## 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	1	-	-	2
Technical Staff	4	-	-	-

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	-	1	-
Outlay in Rs. Lakhs	8.9	-	6.67	-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	10	15	-
Non-Peer Review Journals	3	5	-
e-Journals	-	-	-
Conference proceedings	13	2	31

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2014-16	UGC	6.67	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects (other than compulsory by the University)	-	-	-	-
Any other(Specify)	-	-	-	-
Total	1	-	6.67	-

3.10 Revenue generated through consultancy

1,29,38,000

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

14

3.13 No. of collaborations International

-

National

1

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

6.67

From Management of University/College

3.5

Total

10.17

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
-	-	-	-	2	-	-

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

and students registered under them

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

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

JRF  SRFProj  fellows Any o

#### 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	-	-	-	-
Class rooms	2	-	-	2
Laboratories	4	-	-	4
Seminar Halls	1	-	-	1
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-
Others	-	-	-	-

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	-	-	-	-	-	-
Reference Books	898	-	6	59073	-	-
e-Books	-	-	-	-	-	-
Journals	-	-	-	-	-	-
e-Journals	-	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	50	36	-	-	-	2	-	12
Added	-	5	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-

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

Faculty Development Training Programme organized and workshops attended by faculty.



**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

(b) No. of students outside the state

6
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(c) No. of international students

2
---

Men

No	%
2	2

Women

No	%
-	-

General	Last Year	OB	Physically	Total	General	ST	OB	Physically	Total
C	T	C	Challenged		al	C	C	lly Challenged	

**5.2 Mechanical Engineering**

## 2. Teaching, Learning and Evaluation

### 2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
<b>i. Central Workshop Division</b>				
15	7	4	4	-
<b>ii. Engineering Design Division</b>				
7	3	2	2	-
<b>iii. Internal Combustion Engineering Division</b>				
6	3	-	3	-
<b>iv. Refrigeration and Air-Conditioning Engineering Division</b>				
6	2	-	2	2
<b>v. Institute for Energy Studies</b>				
7	3	-	4	-
<b>vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M.</b>				
4	2	1	1	-

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

i. Central Workshop Division	:	13
ii. Engineering Design Division	:	6
iii. Internal Combustion Engineering Division	:	5
iv. Refrigeration and Air-Conditioning Engineering Division	:	3
v. Institute for Energy Studies	:	7
vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M.	:	4

### 2.4 No. of Guest and Visiting faculty and Temporary faculty

	GF	VF	TF
i. Central Workshop Division	:		3
ii. Engineering Design Division	:		3
iii. Internal Combustion Engineering Division	:		1
iv. Refrigeration and Air-Conditioning Engineering Division	:		2
v. Institute <i>for</i> Energy Studies	:	4	
vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M.	:		1

## 2.5 Faculty participation in conferences and symposia:

### i. Central Workshop Division

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	33	-	-
Presented papers	33	-	-
Resource Persons	-	-	-

### ii. Engineering Design Division

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	-	-	18
Presented papers	1	-	-
Resource Persons	-	-	-

### iii. Internal Combustion Engineering Division

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	-	1	-
Presented papers	-	-	-
Resource Persons	-	-	-

### iv. Refrigeration and Air -Conditioning Engineering Division

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	3	2	-
Presented papers	2	1	-
Resource Persons	1	1	-

v. Institute for Energy Studies

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	3	-	-
Presented papers	3	5	4
Resource Persons	-	-	5

vi. A.U. - F.R.G. Institute for C.A.D. / C.A.M.

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	1	-	-
Presented papers	1	-	-
Resource Persons	-	-	-

2.10 Average percentage of attendance of students

- i. Central Workshop Division : 85%
- ii. Engineering Design Division : 90%
- iii. Internal Combustion Engineering Division : 90%
- iv. Refrigeration and Air-Conditioning Engineering Division : 90%
- v. Institute *for* Energy Studies : 85%
- vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M. : 90%

**Criterion – III**

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects :

i. Central Workshop Division :

	Completed	Ongoing	Sanctioned	Submitted
Number	10	01	-	02
Outlay in Rs. Lakhs	182.06	84.19	-	46.92

ii. Engineering Design Division :

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	25.00 Lakhs	-	-

iii. Refrigeration and Air-Conditioning Engineering Division :

	Completed	Ongoing	Sanctioned	Submitted
Number	-	3	-	1
Outlay in Rs. Lakhs	-	124.73 Lakhs	-	38.52 Lakhs

iv. Institute for Energy Studies :

	Completed	Ongoing	Sanctioned	Submitted
Number	-	4	-	5
Outlay in Rs. Lakhs	-	107.878	61.323	5000

#### 3.3 Details regarding minor projects

i. Central Workshop Division :

	Completed	Ongoing	Sanctioned	Submitted
Number	08	-	-	-
Outlay in Rs. Lakhs	1,76,000	-	-	-

ii. Internal Combustion Engineering Division :

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	50,000	-	-

iii. Institute for Energy Studies :

	Completed	Ongoing	Sanctioned	Submitted
Number	2	2	1	3
Outlay in Rs. Lakhs	5.75	40	2.25	20

3.7 No of books published :

i. Central Workshop Division

With ISBN No. 05

Chapters in Edited Books 06

Without ISBN

ii. Engineering Design Division :

a. With ISBN No. 1  
 Chapters in Edited Books 10

b. Without ISBN

iii. Institute *for* Energy Studies

a. With ISBN No. : 97893 815 68613  
 Chapters in Edited Books

3.11 No. of conferences organized by the Institution:

- i. Central Workshop Division : 1
- ii. Refrigeration and Air-Conditioning Engineering Division : 1
- iii. Institute *for* Energy Studies

Level	International	National	State	University	College
Number	1	1	-	-	-
Sponsoring Agencies	D.S.T. University Fund	-	-	-	-

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

- i. Engineering Design Division : 3
- ii. Refrigeration and Air-Conditioning Engineering Division : 1

3.13 No. of collaborations :

- i. Central Workshop Division : 2
- ii. Refrigeration and Air-Conditioning Engineering Division : 1

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
i. Central Workshop Division						
10	1	04	-	05	-	-
ii. Engineering Design Division						
1	-	-	-	1	-	-
iii. Internal Combustion Engineering Division						
1				1	-	-
iv. Refrigeration and Air-Conditioning Engineering Division						
1	-	1	-	-	-	-
v. Institute for Energy Studies						
-	-	-	-	-	-	-
vi. A.U. - F.R.G. Institute for C.A.D. / C.A.M.						
-	-	-	-	1	-	-

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

#### FACULTY STUDENTS

i. Central Workshop Division	:	-23	
ii. Engineering Design Division	:	4	31
iii. Internal Combustion Engineering Division	:	4	33
iv. Refrigeration and Air-Conditioning Engineering Division	:	3	9
v. Institute for Energy Studies	:	-	-
vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M.	:	1	6



## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.4 Technology up gradation (overall)

i. Engineering Design Division :

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	80	60	80	-	-	1	-	-
Added	-	-	-	-	-	-	-	-
Total	80	60	80	-	-	1	-	-

ii. Internal Combustion Engineering Division

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	23	1	13	-	-	1	-	-
Added	-	-	-	-	-	-	-	-
Total	23	1	13	-	-	1	-	-

iii. Refrigeration and Air-Conditioning Engineering Division :

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	17	1	12	-	-	1	-	-
Added	-	-	-	-	-	-	-	-
Total	17	1	12	-	-	1	-	-

iv. Institute for Energy Studies

	Total Computers	Browsing Centres	Departments	Others
Existing	26	-	-	-
Added	4	-	-	-
Total	30	-	-	-

v. A.U. – F.R.G. Institute for C.A.D. / C.A.M. :

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	51	1	17	-	-	1	-	-
Added	-	-	-	-	-	-	-	-
Total	51	1	17	-	-	1	-	-

4.6 Amount spent on maintenance in lakhs :

i. Engineering Design Division

i) ICT

-

ii) Campus Infrastructure and facilities

-

iii) Equipments

2

iv) Others

-

**Total :**

2

ii. Internal Combustion Engineering Division

i) ICT

-

ii) Campus Infrastructure and facilities

-

iii) Equipments

0.8

iv) Others

-

**Total :**

0.8

iii. Refrigeration and Air-Conditioning Engineering Division

i) ICT

-

ii) Campus Infrastructure and facilities

-

iii) Equipments

0.8

iv) Others

-

**Total :**

0.8

iv. Institute <i>for</i> Energy Studies	
i) ICT	-
ii) Campus Infrastructure and facilities	-
iii) Equipments	25
iv) Others	-
<b>Total :</b>	25
v. A.U. – F.R.G. Institute <i>for</i> C.A.D. / C.A.M.	
i) ICT	-
ii) Campus Infrastructure and facilities	-
iii) Equipments	1.45
iv) Others	4.69
<b>Total :</b>	6.14

## Criterion – V

### 5. Student Support and Progression

#### 5.3 (a) Total Number of students

##### i. Full – Time

Sl. No.	Level of the Programme	Name of the Branch / Specialisation	Department / Division Offering the Programme	No. of Students
1.	B.E.	Mechanical Engineering	Central Workshop Division	180
2.	B.E.	Materials Science and Engineering { Self-Supporting }	-do-	60
3.	M.E.	Engineering Design	Engineering Design Division	25
4.	M.E.	Internal Combustion Engineering	I.C.E. Division	20
5.	M.E.	Thermal Engineering with Specialisation in Refrigeration and Air-Conditioning Engg.	R and A.C. Division	20
6.	M.E.	Energy Engineering	Institute <i>for</i> Energy Studies	45
7.	M.E.	Solar Energy { Self-Supporting }	Institute <i>for</i> Energy Studies	45
8.	M.E.	Manufacturing Systems and Management { Self-Supporting }	Central Workshop Division	-

**ii. Part – Time { Self–Supporting }**

Sl. No.	Level of the Programme	Name of the Branch / Specialisation	Department / Division Offering the Programme	No. of Students
9.	<b>B.E.</b>	Mechanical Engineering	Central Workshop Division	60
10.	M.E.	Computer Aided Design	Engineering Design Division	20
11.	M.E.	Internal Combustion Engineering	I.C.E. Division	19
	M.E.	Thermal Engineering with Specialisation in Refrigeration and Air–Conditioning Engg.	R and A.C. Division	
12.	M.E.	Energy Engineering	Institute <i>for</i> Energy Studies	25
13.	M.E.	Product Design and Development	A.U. – F.R.G. Institute <i>for</i> C.A.D. / C.A.M.	50

**iii. M.S. { By Research } Degree Programme in Mechanical Engineering { Full–Time and Part–Time }**

**iv. Ph.D. Programme in Mechanical Engineering { Full–Time and Part–Time }**

i. Central Workshop Division	:	-
ii. Engineering Design Division	:	31
iii. Internal Combustion Engineering Division	:	33
iv. Refrigeration and Air–Conditioning Engineering Division	:	9
v. Institute <i>for</i> Energy Studies	:	45
vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M.	:	6

**v. Others**

(b) No. of students outside the state

- i. Central Workshop Division : -
- ii. Engineering Design Division : 0
- iii. Internal Combustion Engineering Division : 2
- iv. Refrigeration and Air-Conditioning Engineering Division : 3
- v. Institute *for* Energy Studies : 3
- vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M. : 0

(c) No. of international students

- i. Central Workshop Division : -
- ii. Engineering Design Division : 0
- iii. Internal Combustion Engineering Division : 0
- iv. Refrigeration and Air-Conditioning Engineering Division : 0
- v. Institute *for* Energy Studies : 0
- vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M. : 0

iii. Internal Combustion Engineering Division : 0

Men	No	%
	20	100

Women	No	%
	-	-

General	Last Year	(OB)	Physically	Total	General	This Year	(Physical)	Total
C	T	C	Challenge		C	C	lly Challen ged	

2	4	14	-	20	2	3	14	-	19
---	---	----	---	----	---	---	----	---	----

General SC Last Year (Part Physically) Total General SC This Year (Part Physically) Total  
 C T C Challenged C C Challenged

3	1		15	-	19	3	1		15	-	19
---	---	--	----	---	----	---	---	--	----	---	----

Demand ratio                  Dropout % 5

iv. Refrigeration and Air-Conditioning Engineering Division :

Men	No	%	Women	No	%
	20	100		-	-

General SC Last Year (Full Physically) Total General SC This Year (Full Physically) Total  
 C T C Challenged C C Challenged

2	3	-	14	-	19	1	5	-	14	-	20
---	---	---	----	---	----	---	---	---	----	---	----

Demand ratio                  Dropout % 5

v. Institute for Energy Studies :

Men	No	%	Women	No	%
	100	74%		35	26

General SC Last Year (Full Physically) Total General SC This Year (Full Physically) Total  
 C T C Challenged C C Challenged

7	9	-	27	-	43	4	8	-	30	-	42
---	---	---	----	---	----	---	---	---	----	---	----

vi. A.U. – F.R.G. Institute for C.A.D. / C.A.M. :

No	%
----	---



No	%
2	4

Men

Women

### 5.5 No. of students qualified in these examinations

#### i. Engineering Design Division :

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="8"/>	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="-"/>

#### ii. Internal Combustion Engineering Division :

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="3"/>	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="-"/>

#### iii. Refrigeration and Air-Conditioning Engineering Division :

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="4"/>	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="-"/>

#### iv. Institute for Energy Studies

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="-"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="2"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

#### v. A.U. – F.R.G. Institute for C.A.D. / C.A.M. :

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="3"/>	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="-"/>

# 5.3 Industrial Engineering

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
11	2	4	5	-

2.2 No. of permanent faculty with Ph.D.

9

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
1	1	1	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

1

1

1

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	3	1	-
Presented	3	1	-
Resource Persons	2	2	-

2.10 Average percentage of attendance of students

95%

### Criterion – III

#### 3. Research, Consultancy and Extension

##### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	4	-	-
Outlay in Rs. Lakhs	1,00000	1,25,000	-	-

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

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
1	1	-	-	-	-	-

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

and students registered under them

### Criterion – IV

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	35	20	35	-	-	2	7	5
Added	06	-	06	-	-	1	5	-
Total	41	-	41	-	-	-	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT	45,240
ii) Campus Infrastructure and facilities	13,67,029
iii) Equipments	12,632
iv) Others	-
<b>Total</b>	14,24,901

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
201	87	59	-

(b) No. of students outside the state

1
---

(c) No. of international students

1
---

No	%
321	92.50

No	%
26	7.50

Men

Women

General SC ST L O B Year Physically Challenged	Total	General SC ST L O B Year Physically Challenged	Total
14	14	11	11

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="3"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="2"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

## 5.4 Manufacturing Engineering

### Criterion – II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
9	2	2	5	-

2.2 No. of permanent faculty with Ph.D.

8
---

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
-	-	-	1	1	-	-	-	1	1

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	3 Teaching Fellows
---	---	--------------------

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	5	4	5
Presented	8	2	8
Resource	7	3	8

Persons			
---------	--	--	--

85 %

2.10 Average percentage of attendance of students

**Criterion – III**

**3. Research, Consultancy and Extension**

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	1	-	3
Outlay in Rs. Lakhs	44.00	65.00	-	682.00

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

ii) Without ISBN No.

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	1	-	-	-
Sponsoring agencies	-	Self-supported	-	-	-

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

3.18 No. of faculty from the Institution

who are Ph. D. Guides   
and students registered under them

#### Criterion – IV

#### 4. Infrastructure and Learning Resources

##### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	63	1	37	-	-	1	1	-
Added	16	-	16	-	-	-	1	-
Total	79	1	53	-	-	1	2	-

##### 4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities(Civil / Electrical Work)

iii) Equipments

iv) Others(PC Purchase)



**Total :**

45,64,353/-

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
188	43	5	-

(b) No. of students outside the state

1

(c) No. of international students

20

Men

No	%
16	80%

Women

No	%
4	20%

General

East Year 08

Physically

Total

General

25

ST/08

Physically

Total

C T C

Challenge

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C

ly

1

d

Challen

ged

Demand ratio

-

Dropout %

3

5.5 No. of students qualified in these examinations

NET

-

SET/SLET

-

GATE

2

CAT

1

IAS/IPS etc

1

State PSC

-

UPSC

1

Others

-

## 5.5 Mining Engineering

### Criterion – II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
7	4	-	3	-

2.2 No. of permanent faculty with Ph.D.

4
---

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
-	2	-	-	-	-	-	-	-	2

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	1
---	---	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	6	-

Presented	1	6	-
Resource Persons	-	5	-

2.10 Average percentage of attendance of students

85%

### Criterion – III

## 3. Research, Consultancy and Extension

### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	28.70	-	-

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	-	-	-
Outlay in Rs. Lakhs	5.1	-	-	-

### 3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	1	-	-	-
Sponsoring agencies	-	MEAI Tamilnadu Chapter	-	-	-

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

and students registered under them

3
---

### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	20	1	-	-	-	-	-	-
Added	15	-	-	-	-	-	-	-
Total	35	1	-	-	-	-	-	-

### 4.6 Amount spent on maintenance in lakhs :

i) ICT

0.92
------

ii) Campus Infrastructure and facilities

0.01
------

iii) Equipments

1.1
-----

iv) Others

1.5
-----

**Total :**

3.53
------

### Criterion – V

### 5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
103	-	6	-

(b) No. of students outside the state

2
---

(c) No. of international students

3
---

Men	No	%	Women	No	%
	103	100		-	-

General 19 SL 06 Year Physically Total General 19 ST 00 Th Physia Total  
 1 C T C Challenge d al C C lly Challen ged

Demand ratio

Dropout % 2%

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="1"/>	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="-"/>

## 5.6 Printing Technology

### Criterion – II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
8	4	1	3	---

2.2 No. of permanent faculty with Ph.D.

3
---

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
-	1	-	1	-	-	-	-	-	2

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	3
---	---	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	5	8	--
Presented	2	1	--
Resource	1	1	--

Persons			
---------	--	--	--

(To be given by ACOE)

### Criterion – III

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	1	--	1
Outlay in Rs. Lakhs	--	75	--	93.42

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	---	1	---	---
Outlay in Rs. Lakhs	---	0.25	---	---

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	3	---	---
Non-Peer Review Journals	---	---	---
e-Journals	---	---	---

Conference proceedings	8	32	---
------------------------	---	----	-----

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

ii) Without ISBN No.

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

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

#### Criterion – IV

#### 4. Infrastructure and Learning Resources

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	34	2	-	-	-	-	-	-
Added	7	-	-	-	-	-	-	1 (smart board)
Total	41	2	-	-	-	-	-	-

4.6 Amount spent on maintenance in lakhs :





Demand ratio

Dropout % 4.78

5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
IAS/IPS etc  State PSC  UPSC  Others

## 5.7 Electrical & Electronics Engineering

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
31	13	8+1*	7	2**

\*- on deputation

\*\* - Appadurai Chair for power system

2.2 No. of permanent faculty with Ph.D.

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
03	-	1	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

## 2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	5	6	1
Presented papers	3	2	1
Resource Persons	1	3	1

2.10 Average percentage of attendance of students

95%

## 3. Research, Consultancy and Extension

### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	12	06	02	02
Outlay in Rs. Lakhs	276	55.96	245	194.4

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	--	1	1
Outlay in Rs. Lakhs	0.25	--	40	5

### 3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	01	-	-	-
Sponsoring	-	UGC-XII	-	-	-

agencies					
----------	--	--	--	--	--

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

3.13 No. of collaborations International  National  Any other

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
1	1	--	--	--	--	--

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

#### Criterion – IV

#### 4. Infrastructure and Learning Resources

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	66	7	-	-	-	3	-	-
Added	07	-	-	-	-	-	-	-
Total	73	7	-	-	-	3	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

-

iii) Equipments

0.374

iv) Others

-

**Total :**

0.374

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

244

(b) No. of students outside the state

04

(c) No. of international students

30

Men	No	%
	134	54.92

Women	No	%
	110	45.08

Last Year

This Year

General SC ST OBC Physically Challenged Total General SC ST OBC Physically Challenged Total

Demand ratio Dropout % 12.5 %

5.5 No. of students qualified in these examinations

NET  SET/SLET  ATE  AT

IAS/IPS etc  State PSC  UPSC  Others

## 5.8 ELECTRONICS AND COMMUNICATION ENGINEERING

### Criterion – I

#### 1. Curricular Aspects

##### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	-	-	-	-
PG	5	-	2	-
UG	2	-	1	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-

Others	-	-	-	-
<b>Total</b>	7	-	3	-

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

(ii) Pattern of programmes:

~~Semester~~ 7 Number of programmes

1.3 Feedback from stakeholders\* Alumni  yes Parents  yes Employers  -

Students  yes

*(On all aspects)*

Mode of feedback : Online  yes Annual

Co-operating schools (for PEI)

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

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

**Criterion – II**

**2. Teaching, Learning and Evaluation**

Total	Asst. Professors	Associate Professors	Professors	Others
-------	------------------	----------------------	------------	--------

35	7	20	8	--
----	---	----	---	----

2.1 Total No. of permanent faculty

2.2 No. of permanent faculty with Ph.D.

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
2	-	2	-	2	-	11	-	17	-

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	2	4	9
Presented	-	4	1
Resource Persons	-	-	-

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

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

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



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

2.10 Average percentage of attendance of students

## 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	15
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	15
Staff training conducted by other institutions	18
Summer / Winter schools, Workshops, etc.	25
Others	-

## 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	2	-	-	1
Technical Staff	15	-	-	-

### Criterion – III

#### 3. Research, Consultancy and Extension

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	-	DST	29,60,000	29,60,000
Minor Projects	-	DST	11,42,800	11,42,800
Interdisciplinary Projects	-	UGC	60,00,000	60,00,000
Industry sponsored	-	LUCID SOFTWARE LTD	3,10,000	3,10,000
Projects sponsored by the University/ College	-	ANNA UNIVERSITY	24,00,000	24,00,000
Any other(Specify)	-	UKIERI	16,06,780	16,06,780
Total	-	-	1,44,69,580	1,44,69,580

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

3.13 No. of collaboration International  National  Other

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
-	-	4	TAMILNADU	IRD, COMPUTER SOCIETY, ANNA UNIVERSITY	CHENNAI	COLLEGE OF ENGINEERING

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

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

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

JRF  SRF  Subject Fellows  by 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

### 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	-	-	-	-
Class rooms	4	-	-	4
Laboratories	14	-	-	14
Seminar Halls	2	-	-	2

No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	16	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	2907008	-	-	-
Others	-	-	-	-

YES

#### 4.2 Computerization of administration and library

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	-	-	-	-	-	-
Reference Books	1400	897436	-	-	1400	897436
e-Books	-	-	-	-	-	-
Journals	-	-	-	-	-	-
e-Journals	-	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	130	1	YES	-	-	3	-	-
Added	62	-	-	-	-	-	-	-
Total	192	1	-	-	-	3	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

**Total :**

### Criterion – V

## 5. Student Support and Progression

5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT

IAS/IPS etc  State PSC  UPSC  Others

### Criterion – VI

## 6. Governance, Leadership and Management

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

For UG Programmes Yes  No

For PG Programmes Yes  No

# 5.9 Computer Science & Engineering

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
28	14	7	7	-

2.2 No. of permanent faculty with Ph.D.

23
----

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year (**Department of Computer Science and Engineering and Department of Information Science and Technology – Combined Posts**)

Asst. Professors		Associate Professors		Professors		Others (Self Supporting – CSE only)	Total	
R	V	R	V	R	V		R	V
14	-	8	-	4	-	Professor -2 Associate Professor - 11	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	18
---	---	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	19	15	-
Presented papers	17	1	-
Resource Persons	20	5	27

2.10 Average percentage of attendance of students

90% / 85%
-----------

## Criterion – III

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2	1	2
Outlay in Rs. Lakhs	240	182	148.1	70

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	1	-	1
Outlay in Rs. Lakhs	17.3	9.38	-	12

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

ii) Without ISBN No.

#### 3.11 No. of conferences organized by the Institution

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

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



3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
36	11	21	-	4	-	-

3.18 No. of faculty from the Institution

17

who are Ph. D. Guides

and students registered under them

117

#### Criterion – IV

### 4. Infrastructure and Learning Resources

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	533	7	Available for all staff, students and research scholars.	-	-	4 PC	-	SERVER S-13 LCD : 14 OHP:2
Added	50	-	-	-	-	Scanners-2	-	SERVER -4 LCD-1
Total	583	7	-	-	-	6	-	34

4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

24.45

iii) Equipments

2.75

iv) Others

-

**Total :**

27.20

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

Last year

UG	PG	Ph. D.	Others
200	49	116	-

This year

UG	PG	Ph. D.	Others
205	78	124	-

(b) No. of students outside the state (Last Year) to this Year

3

(c) No. of international students (CIWGC, FN and NRI – Last Year)

27

(CIWGC, FN and NRI – This Year)

28

**Last Year UG**

Men	No	%	Women	No	%
	119	59.5		81	40.5

**PG**

Men	No	%	Women	No	%
	14	28.57		35	71.42

**This Year UG**

Men	No	%	Women	No	%
	123	60		82	40

**PG**

Men	No	%	Women	No	%
	20	25.64		58	74.36

PG	6	7	-	36	10	14	-	154	78		
	General	SC	ST	OBC	Challenge	General	SC	ST	OBC	Challenge	Total
UG	29	25	2	110	4	36	28	1	106	4	175+
						(other state + international)					2+28 = 205

Demand ratio                  Dropout %      1/200 = .5% (UG Last Year)

3/205 = 1.5% (UG This Year)

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	CAT	<input type="text" value="6+6 = 12"/>	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>			<input type="text" value="-"/> ers	<input type="text" value="1"/>
State PG Entrance				<input type="text" value="19+24 (Last Year) = 43"/>			
				<input type="text" value="19+24+30 (This Year) = 73"/>			

# 5.10 Information Science & Technology

## 1. Curricular Aspects

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

(ii) Pattern of programmes:

~~Semester~~ All Number of programmes

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students

*(On all aspects)*

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

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

Yes Redesigned for CBCS with more flexibility for student centric and project

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
27	13	7	7	-

2.2 No. of permanent faculty with Ph.D.

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
1	-	1	-	-	-	-	-	2	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	3	18	-
Presented papers	7	11	-
Resource Persons	-	7	-

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

Project based learning- Mini Projects, Participatory Learning, Computer Aided

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

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 Examinations for Internal Assessments, Change in Examination Question pattern in line with Bloom's Taxonomy, Bar code for evaluation

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

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

2.10 Average percentage of attendance of students

>75%

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.Tech IT FT	368	-	-	-	-	79.49
B.Tech IT PT	32	-	-	-	-	15.98
M.C.A Regular	171	-	-	-	-	85.41
M.E Multimedia	46	-	-	-	-	85.35
M.Tech IT FT	26	-	-	-	-	91.4
M.C.A SS	162	-	-	-	-	77.72

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

IQAC provides guidelines by means of Two day Workshop and Two Program Evaluation meetings

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	12
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	-
Others	-

## 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	2	-	1	2
Technical Staff	5	-	-	4

### Criterion – III

## 3. Research, Consultancy and Extension

### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Broad Guidelines
------------------

### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	4	-	2
Outlay in Rs. Lakhs	312000	14709500	-	-

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	-	-	-
Outlay in Rs. Lakhs	185000	-	-	-



### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	9	-	-
Non-Peer Review Journals	54	-	-
e-Journals	-	-	-
Conference proceedings	18	1	-

### 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	Received
Major projects	2013-2016 2011-2016 2010-2016 2013-2016	DIST,UGC,INTEL,DIT	14709500	10085225
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	April 2014 – Mar2015	CTDT	50000	50000
Students research projects ( <i>other than compulsory by the University</i> )	Apr 2015 –Oct 2015	CTDT	125000	125000
Any other(Specify)	-	-	-	-
Total	-	-	-	-

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

3.11 No. of conferences organized by the Institution

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

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

3.13 No. of collaborations International  National  Any other

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College

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
2	-	-	-	-	-	2

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

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

JRF  Rf  Project fellows  Any other

3.21 No. of students Participated in NSS events:

University level  State level

National level  International level

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

- ACM Prodigy 1 day for Computer awareness & competition for school children
- INSIGHT 5 day workshop on Indian Sciences for school children.

#### 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	-	-	-	-
Class rooms	6	-	-	-
Laboratories	5	-	-	-
Seminar Halls	2	-	-	-

No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	51	151	CIA & DIST FIST	202
Value of the equipment purchased during the year (Rs. in Lakhs)	-	9861897	-	-
Others	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	230	5	-	-	-	3	103	-
Added	-	-	-	-	-	-	-	-
Total	230	5	-	-	-	3	103	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.) 13

4.6 Amount spent on maintenance in lakhs :

i) ICT	-
ii) Campus Infrastructure and facilities	-
iii) Equipments	-
iv) Others	47840
<b>Total :</b>	47840

## Criterion – V

### 5. Student Support and Progression

#### 5.2 Efforts made by the institution for tracking the progression

Special class for students requiring special attention, Programming skills development sessions, Tutorials and competitions, Computational thinking workshop for first years CSE and IT.

#### 5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
515	320	137	-

Men	No	%
	395	47.3

Women	No	%
	440	52.69

UG
PG
Ph. D.
Others
Total
General
SC
ST
OBC
EWS
Physically Challenged
Total
General
SC
ST
OBC
EWS
Physically Challenged
Total

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

Motivational seminars to promote competitive examination

No. of students beneficiaries

200

#### 5.6 Details of student counselling and career guidance

Regular workshops and seminars by alumni, industry experts, management consultants, Career Guidance – CUIC conducted, Faculty Advisors

No. of students benefitted

400

## 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
84	227	144	-

## 5.8 Details of gender sensitization programmes

Details can be got from Centre for Women Empowerment

## 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	11	-
Financial support from government	143	-
Financial support from other sources	10	-
Number of students who received International/ National recognitions	-	

## 5.11 Student organised / initiatives

Fair: State/ University level  National level  International level

5.13 Major grievances of students (if any) redressed: Student Affairs office to take care of that.

## Criterion – VI

### **6. Governance, Leadership and Management**

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

For UG Programmes Yes  No

For PG Programmes Yes  No

# 5.11 Mathematics

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
28	14	4	10	-

2.2 No. of permanent faculty with Ph.D.

27

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
4	-	-	-	-	-	-	-	4	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-      -      31

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	3	6	-
Presented papers	3	-	-
Resource Persons	-	-	-

2.10 Average percentage of attendance of students

90%

### Criterion – III

#### 3. Research, Consultancy and Extension

##### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	Rs. 13,88,400/-	-	-

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

ii) Without ISBN No.

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

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

### Criterion – IV

#### 4. Infrastructure and Learning Resources

##### 4.4 Technology up gradation (overall)

	Total Computer s	Computer Labs	Internet	Browsin g Centres	Computer Centres	Offic e	Depart -ments	Other s
Existing	175	3	100	-	-	1	-	-
Added	35	-	-	-	-	-	-	-
Total	210	3	-	-	-	1	-	-



4.6 Amount spent on maintenance in lakhs :

i) ICT -

ii) Campus Infrastructure and facilities 8 Lakhs

iii) Equipments -

iv) Others 2 Lakhs

**Total :** 10 Lakhs

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
-	383	27 (FT) 18 (PT)	-

(b) No. of students outside the state 1

(c) No. of international students 1+3(Ph.D)

Men

No	%
97+19(Ph.D)	-

Women

No	%
286+22(Ph.D)	-

General	SC	ST	Other	Physically Challenged	Total	General	SC	ST	Other	Physically Challenged	Total
1											

5.5 No. of students qualified in these examinations

NET	2	ET/SLET	-	ATE	2	AT	-
-----	---	---------	---	-----	---	----	---

# 5.12 Physics

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	21	10	6	5	-

2.2 No. of permanent faculty with Ph.D.	21
---	----

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
3	-	2	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty	-	-	14
---	---	---	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	2	14	-
Presented papers	21	38	-
Resource Persons	-	13	-

2.10 Average percentage of attendance of students	85%
---	-----

### Criterion – III

#### 3. Research, Consultancy and Extension

##### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	7	-	-
Outlay in Rs. Lakhs	-	99.5 Lakhs	-	-

##### 3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	2	-
Sponsoring agencies	-	-	-	CFD, Anna Univ	-

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

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
1	-	1	-	-	-	-

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

and students registered under them

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	14	-	-	-	-	-	-	-
Added	2	-	-	-	-	-	-	-
Total	16	-	-	-	-	-	-	-

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

-

iii) Equipments

0.7 Lakhs

iv) Others

-

**Total :**

0.7

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students	UG	PG	Ph. D.	Others
	-	84	69	-

(b) No. of students outside the state

(c) No. of international students

**PG**

Men	No	%	Women	No	%
	39	43		51	57

Gender SC ST OBC Physically Total Gender SC ST OBC Physically Total  
 al C Challenged l 1 C y Challenge d

**5.5 No. of students qualified in these examinations**

NET  NET/SLET  TE  AT   
 IAS/IPS etc  State PSC  UPSC  Others

## 5.13 Chemistry

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

Autonomy by State/Central Govt. / University

University with Potential for Excellence	<input type="text" value="√"/>	UGC-CPE	<input type="text" value="√"/>
DST Star Scheme	<input type="text" value="√"/>	C-CE	<input type="text" value="√"/>
UGC-Special Assistance Programme	<input type="text" value="√"/>	-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="34"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="11"/>
2.3 No. of students	<input type="text" value="110 + 60 = 170"/>
2.8 No. of other External Experts	<input type="text" value="02"/>
2.9 Total No. of members	<input type="text" value="02"/>
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="-"/> Faculty <input type="text" value="02"/>

Non-Teaching Staff Students

Alumni

rs

2.12 Has IQAC received any funding from UGC during the year?

Yes

No

2.13 Seminars and Conferences (only quality related)

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

Total Nos.

International

ational

S

Instituti

level

(ii) Themes

Recent Advances in Chemistry and Materials

2.14 Significant Activities and contributions made by IQAC

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
Enlarge the employability skills of students through current teachers,, industrial visits & inplant training programme	Accomplished

2.15 Whether the AQAR was placed in statutory body

Yes

No

Management

Syndicate

Any other body

## 5.14 English



## 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	1	-	-	-
PG	1	-	-	-
UG	-	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
<b>Total</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>

#### 1.2 (i) Flexibility of the Curriculum: CBCS/ / (ii) Pattern of programmes:

Semester ~~Number~~

-

Number of

13 Feedback from stakeholders\*

Alumni

Parents

Employers

1.4 Whether there is any revision/update of

regulation or syllabi, if yes, mention their salient

aspects.

Yes, of both syllabus and materials.

## Criterion – II

## 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
9	7	1	1	-

2.2 No. of permanent faculty with Ph.D.

8

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
3	-	-	-	-	1	-	-	3	1

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

-

11

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	✓	✓	✓
Presented papers	✓	✓	✓
Resource Persons	-	✓	✓

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

Learner-centered and activity –based. Technology aids are used in the classroom to develop communication skills in English

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

180 days

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

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

-	9	2
---	---	---

2.10 Average percentage of attendance of students

85%
-----

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
First Semester - Technical English I,	2200	-	-	-	-	90%
Second Semester- Technical English -II	2200	-	-	-	-	90 %

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	5
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	1
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	4
Summer / Winter schools, Workshops, etc.	-
Others	-

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	1	1	-	1
Technical Staff	1	-	-	2

### Criterion – III

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	4,84,800/-	-
Outlay in Rs. Lakhs	-	-	-	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	2	1,00,000/-	-
Outlay in Rs. Lakhs	-	-	-	-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	5	1	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	-	-	-

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Cos. 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	Received
Major projects	2	UGC	4,84,800/-	-
Minor Projects	1	CTDT	1,00,000/-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects ( <i>other than compulsory by the University</i> )	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	5,84,800	-

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

### 3.11 No. of conferences organized by the Institution

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

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

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

2

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

JRF  SRF  Project Fellows  1 Any other  ACRF

**Criterion – IV**

**4. Infrastructure and Learning Resources**

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	-	-	-	-	-	-
Reference Books	1165	87,799	61	49,353	-	-
e-Books	-	-	-	-	-	-
Journals	-	JSTOR	5	-	-	-
e-Journals	20	Open access	5	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	75	5,000	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	42	2	-	-	-	-	-	-
Added	-	-	-	-	-	-	-	-
Total	42	2	-	-	-	-	-	-

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

All teachers in the department have access to computers and the internet.

**Criterion – V**

**5. Student Support and Progression**

5.2 Efforts made by the institution for tracking the progression

Remedial classes were taken to the needy students and feedback was received

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
-	10	35	-

(b) No. of students outside the state

1

(c) No. of international students

-

General	<del>SC</del>	<del>STL</del>	<del>OB</del>	Year	Physically	Total	Genera	<del>SC</del>	<del>STL</del>	<del>OB</del>	Year	Physically	Total
					Challenged		l					y	Challenged
												ed	

## 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	4 (ACRF)	16,000/-
Financial support from government	-	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

### Criterion – VI

## 6. Governance, Leadership and Management

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

Curriculum is revised every once three years to meet the language needs of the learners

6.3.2 Teaching and Learning

The Teaching methodology is mostly task-based and problem solving in approach. Learners are given practice in developing their communication skills in English

6.3.4 Research and Development

The development offers both M.Phil and Ph.D Programmes in English Language Teaching, Language and Literature and Linguistics. The enrolment for both the programmes has risen by 90%

6.3.9 Admission of Students

M.Phil & Ph.d



6.4 Welfare schemes

Teaching	1. Travel Grant for attending conference and seminar 2. Medical Claim
Non teaching	Medical Claim
Students	Medical Claim

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	-	Yes	-
Administrative	Yes	-	Yes	-

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?

Every Year we review the question paper

6.11 Activities and support from the Alumni Association

Periodical workshops are conducted on employability skills for V and VI Semester students

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

We do not support plastic bags on campus outsiders vehicles are not allowed inside the campus

## 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.

We conduct teacher support programmes regularly

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

Plan of action is to improve the proficiency level of the students

# 5.15 Geology

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
8	3	----	5	----

2.2 No. of permanent faculty with Ph.D.

8
---

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
-	1	-	-	-	-	-	-	-	1

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	7	15	3
Presented	7	3	3
Resource Persons	3	1	5

2.10 Average percentage of attendance of students

87
----

### Criterion – III

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	4	2	1	-
Outlay in Rs. Lakhs	2,02,16,309	83,23,050	23,77,305.61	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	-	1	-
Outlay in Rs. Lakhs	8,70,044	-	7,00,000	-

1 (ISBN:97817080407104)

3.7 No. of books published i) With ISBN No.

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	2	1	-	-	-
Sponsoring agencies	1. European Commission, Saphani. 2. Association of Global Groundwater Scientists	UGC – DRS PHASE III	-	-	-

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

3.13 No. of collaborations International  National  Any other

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
2	-	-	-	2	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	15	1	10	----	----	2	---	---
Added	20	---	---	----	----	---	---	---
Total	35	1	10	----	----	2	----	---

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

2.0

**Total :**

63

**Criterion – V**

**5. Student Support and Progression**

5.3 (b) No. of students outside the state

35

(c) No. of international students

-----

Men	No	%	Women
	22	62.86	

No	%
13	37.14

General	SC	ST	IC	OC	Year	Physically Challenged	Total	General	SC	ST	IC	OC	Year	Physically Challenged	Total
34							35	1							1

Demand ratio 100%

Dropout % = 0%

**5.5 No. of students qualified in these examinations**

NET	2	T/SLET	---	2	---
IAS/IPS etc	---	State PSC	3	UPSC	5
				Others	6

## 5.16 Media Science

### 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	<b>1</b>	-	-	-
PG	<b>2</b>	-	-	-
UG	-	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
<b>Total</b>	<b>3</b>	-	-	-

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

(ii) Pattern of programmes:

~~Semester~~ **2** Number of programmes

1.3 Feedback from stakeholders\* Alumni  Parents  Employers  Students

*(On all aspects)*

Mode of feedback : Online  Annual  Operating schools (for PEI)

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.  Yes. More job oriented subjects were introduced in the syllabus

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

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
<b>10</b>	<b>10</b>	-	-	-

2.2 No. of permanent faculty with Ph.D.  10

2.4 No. of Guest and Visiting faculty and Temporary faculty  -  -  6

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	<b>04</b>	<b>06</b>	<b>06</b>
Presented papers	<b>04</b>	<b>06</b>	<b>06</b>
Resource persons	<b>00</b>	<b>02</b>	<b>02</b>

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

2.7 Total No. of actual teaching days during this academic year  275



2.9 No. of faculty members involved in curriculum

04

10

10

restructuring/revision/syllabus development

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

2.10 Average percentage of attendance of students

75%

2.11 Course/Programme wise- distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
M.Sc. Electronic Media 5 years	<b>200</b>	<b>05%</b>	<b>30%</b>	<b>45%</b>	<b>20%</b>	<b>94%</b>
M.Sc. Electronic Media 2 years	<b>58</b>	<b>02%</b>	<b>13%</b>	<b>60%</b>	<b>25%</b>	<b>93%</b>

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	<b>11</b>
UGC – Faculty Improvement Programme	<b>05</b>
HRD programmes	<b>02</b>
Orientation programmes	<b>11</b>
Faculty exchange programme	-
Staff training conducted by the university	<b>11</b>
Staff training conducted by other institutions	<b>06</b>
Summer / Winter schools, Workshops, etc.	<b>11</b>
Others	-

## 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	<b>01</b>	-	-	-
Technical Staff	<b>01</b>	<b>01</b>	-	<b>01</b>

### Criterion – III

#### 3. Research, Consultancy and Extension

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

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	<b>05</b>	-	-	-
Outlay in Rs. Lakhs	<b>50 Lakhs</b>	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	Attached	Attached	Attached
Non-Peer Review Journals	Attached	Attached	Attached
e-Journals	Attached	Attached	Attached
Conference proceedings	Attached	Attached	Attached

<b>S.No.</b>	<b>Name of the Staff &amp; Designation</b>	<b>Name of the Conferences / Seminars / Symposia / Workshops</b>	<b>Duration</b>	<b>Address of Organized institute</b>
1.	Dr. C. Velayutham Assistant Professor	Asia Alumni Conference	Jun 26 <sup>th</sup> – 30 <sup>th</sup> 2014.	Quezon, Phillipines.
2.	Dr. K .Venakatalakshmi Assistant Professor	Education & Employability – Teaching & learning	31 <sup>st</sup> Oct 2014	FICCI's
3.	Dr. K. Venakatalakshmi Assistant Professor	Social Networking Mining and Analysis.	Jan 29 <sup>th</sup> & 30 <sup>th</sup> , 2015.	Anna University, Chennai.
4.	Dr. M. Neelamalar Assistant Professor	Education & Employability – Teaching & learning	31 <sup>st</sup> Oct 2014	FICCI's
5.	Dr. K. Sunitha Assistant Professor	Education & Employability – Teaching & learning	31 <sup>st</sup> Oct 2014	FICCI's
6.	Dr. S. Arulchelvan, Assistant Professor	Media and Public Health with special focus on RI	01/09/2014	George Institute for Global Health, Oxford University and the Press Institute of India, Chennai.

1. Research papers presented in the International Conferences / Seminars / Symposia /

Workshops during the period (01.05.2014 to 30.07.2015)

<b>S.No</b>	<b>Title</b>	<b>Author's Name</b>	<b>Name and addresses of Venue</b>	<b>Month &amp; Year</b>
1	A study on the role of ICT in communicating Laws and Ethics related Information among technical University students	Dr. P. Uma Maheswari, Assistant Professor	Holy Cross College	Nov 27-28, 2014
2	Role of media in redefining values, vices and virtues in society- A study among college students in Chennai	Dr. D. Sunitha, Assistant Professor	Holy Cross College	Nov 27-28, 2014
3	A study on media coverage of human rights violation against women with special reference to India	Dr. M. Neelamalar, Assistant Professor	ACMC, Hong Kong	Nov 13-15, 2014
4	2 <sup>nd</sup> International conference on Health Journalism	Dr. C. Velayutham, Assistant Professor	Coventry University, U.K	May 3-5, 2014
5	Developmental Journalism in Tamil Television Channels: Changing Scenario, 12th Annual International Conference on Communication and	Dr. S. Arulchelvan, Assistant Professor	ATINER. Athens, Greece.	12-15 May 2014

	Mass Media			
6.	Effectiveness of Visuals in E-Learning on Media Communication Courses	Rajasekaran, S.K., and Dr. S. Arulchelvan,	4th International Conference on Communication, Media, Technology – ICCMDT 2015, Dubai	16-18 May 2015.
5.	Subtitling of Cartoons: A Necessary Tool for Language Acquisition	Dr. S. Arulchelvan, and Ann Maria	International Colloquium on Contemporary Issues in Language Learning, Teaching, Literature, Media and Culture, Confederation of Indian Universities Prof. Ramakrishna More College of Arts, Commerce and Science	15 <sup>th</sup> March, 2015

#### Journals published

S.N o.	Title	Author's Name	Name of the publisher	Year
1	Impact of Media on Interpersonal Communication Among Family Members, Revista Mediaciones, No.13, July-December 2014.	Dr. S. Arulchelvan & Mr. J. Dinesh Kumar	University of Minuito, Colombia	2014

2	Does Partisanship Influence the Perception of Credibility? Examining the Determinants of News Media Credibility in the South Indian State of Tamil Nadu, 2014, Volume, 13, Issue, 10, Page No.: 661-669.	Ms. Rathi Chithra & Dr.S.ArulChelvan	Asian Journal of Information Technology,	2014
3.	Interactive Television: Knowledge, Attitude, Practices and Potential Opportunities in India	Dr. S. Arulchelvan Pedro Almeida and Jorge Abrue	International Journal of Innovation and Scientific Research	2014
4.	New media communication strategies for election campaigns: Experiences of Indian political parties	Dr. S. Arulchelvan	Online Journal of Communication and Media Technologies	2014
5	A Study on the Prevalence of Cyber Bullying in Chennai	R. Lavanya and Kalpana G. Prasad	Middle-East Journal of Scientific Research	2014
6	Enhanced Distributed Service Model for Video on Demand	R. Lavanya, and V. Ramachandran	Asian Journal of Information Technology	2014
7	The Impact of New Media on Traditional Media	Lavanya Rajendran and Preethi Thesinghraja	Middle-East Journal of Scientific Research	2014
8	Soap Communication Model for Video on Demand	R. Lavanya and V. Ramachandran	International Review on Computers and Software	2014

9	A Study in the Framing of 'Margazhi'/ December Music Festival in the English and Regional Language Newspapers in Tamil Nadu'	Dr. C.Velayutham & Mr. Jayakrishnan	IRASM	2014
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### 3.5 Details on Impact factor of publications:

Range  Average  Index  19 in SCOPUS  58

### 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	<b>2014-15</b>	<b>UNICEF, UGC, DST, UKERI</b>	<b>50 L</b>	<b>50 L</b>
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	<b>2014-15</b>	<b>CTDT</b>	<b>25,000/-</b>	<b>25,000/-</b>
Students research projects ( <i>other than compulsory by the University</i> )	-	-	-	-
Any other(Specify)	-	-	-	-
<b>Total</b>	-	<b>05</b>	<b>50,25,000</b>	<b>50,25,000</b>

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

ii) Without ISBN No.

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

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
02	02	---	---	---	---	---

3.18 No. of faculty from the Institution

who are Ph. D. Guides  
and students registered under them

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

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

JRF  SRFPro  fellows Any

3.21 No. of students Participated in NSS events:

University level State  level

National level International level  National level



3.22 No. of students participated in NCC events:

University level	State	20	05
National level	International level	02	-

3.23 No. of Awards won in NSS:

University level	State	20	04
National level	International level	02	-

3.24 No. of Awards won in NCC:

University level	State	04	01
National level	International	01	-

3.25 No. of Extension activities organized

University forum	NSS	07	05
NCC	Any Other	02	0

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

- Awareness Created On Nuclear Energy
- Awareness Created On Hand Wash And Sanitation
- Awareness Created On Junk Food And Consumers

## 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	<b>2900 sq.ft</b>	—	<b>University</b>	—
Class rooms	<b>06</b>	—	<b>University</b>	—
Laboratories	<b>04</b>	—	<b>University</b>	—
Seminar Halls	<b>01</b>	—	<b>University</b>	—
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	<b>Computers/ Cameras</b>	—	<b>University</b>	—
Value of the equipment purchased during the year (Rs. in Lakhs)	<b>4 lakhs</b>	—	<b>University</b>	<b>4 lakhs</b>
Others	—	—	<b>University</b>	—

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	<b>350</b>	<b>1,60,000</b>	<b>04</b>	<b>3,000</b>	<b>1045</b>	<b>4,00,000</b>
Reference Books	<b>695</b>	<b>240,000</b>	<b>10</b>	<b>14,000</b>	-	-
e-Books	-	-	-	-	-	-
Journals	-	-	-	-	-	-
e-Journals	-	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	<b>50</b>	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	<b>61</b>	<b>44</b>	–	–	–	<b>01</b>	<b>12</b>	<b>04</b>
Added	-	-	-	-	-	-	-	-
<b>Total</b>	<b>61</b>	<b>44</b>	-	-	-	<b>01</b>	<b>12</b>	<b>04</b>

#### 4.6 Amount spent on maintenance in Lakhs :

i) ICT (Six Thousand Only)

Rs.0.06/-

ii) Campus Infrastructure and facilities

Rs.0.25/-

iii) Equipments

Rs.0.35/-

iv) Others

-

**Total :**

Rs.0.66/-

#### Criterion – V

#### 5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
---	<b>258</b>	<b>15</b>	----

(b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
	132	52%		126	48%

General 83 65 18 02 St Year Physically 06 258 General 76 62 19 03 Year Physically 06 240  
1 Challenged Challenged

Demand ratio Dropout % 000.5%

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

No. of students beneficiaries

5.5 No. of students qualified in these examinations

NET  NET/SLET  NET  AT   
IAS/IPS etc  State PSC  UPSC  Others

5.6 Details of student counselling and career guidance

**Students are often given counselling by the mentors and faculty members regarding career, internship, project funding and foreign exchange programmes.**

No. of students benefitted

## 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
<b>06</b>	<b>60</b>	<b>12</b>	<b>30</b>

## 5.8 Details of gender sensitization programmes

**Self-Defence and Gender Sensitization two days workshop was conducted with support of Women Empowerment.**

## 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	<b>05</b>	<b>Rs.16,000/-</b>
Financial support from government	<b>04</b>	<b>Rs.25,000/-</b>
Financial support from other sources	-	-
Number of students who received International/ National recognitions	<b>02</b>	-

## 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: **Wi-fi**

## Criterion – VI

### 6. Governance, Leadership and Management

6.6 Whether annual financial audit has been done Yes  No

**(Department level)**

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	-	-	-
Administrative	-	-	Yes (Department level)	-

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

For UG Programmes Yes  No

For PG Programmes Yes  No

## Criterion – VII

### 7. Innovations and Best Practices

7.5 Whether environmental audit was conducted? Yes  No

### 8.Plans of institution for next year

- Upgradation and Modernization of all the laboratories with state of the art equipments.
- Single Credit and Non-credit Value Oriented Courses to be introduced.
- To introduce more short-term and professional oriented technical

# 5.17 MANAGEMENT STUDIES

## 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	1	-	-	-
PG	3	-	-	-
UG	-	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
<b>Total</b>	4	-	2	-

### 1.3 Feedback from stakeholders\*

Alumni  Parents  Employers  Students

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

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



## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
14	7	4	3	--

2.2 No. of permanent faculty with Ph.D.

12
----

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
2	-	-	-	-	1	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

10	-	-
----	---	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	10	-	-
Presented	10	-	-
Resource Persons	-	8	8

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

Case Study Methodology
------------------------

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

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

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

2.10 Average percentage of attendance of students

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes : IQAC enhances Teaching & Learning process by self evaluation and gives an opportunity for the betterment of existing system.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	3
Staff training conducted by the university	3
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	-
Others	-

## 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	2	1	-	-
Technical Staff	1	-	-	-

### Criterion – III

## 3. Research, Consultancy and Extension

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	-	-	-
Non-Peer Review Journals	15	11	-
e-Journals	-	-	-
Conference proceedings	10	-	-

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

3.13 No. of collaborations  International  National

Any other

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
1	-	-	-	1	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides

8

and students registered under them

60

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

4

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

JRF

4

SRF

Project Fellows

Any other

#### 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	-	-	-	-
Class rooms	2	-	-	-
Laboratories	2	-	-	-
Seminar Halls	1	-	-	-
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	1	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	2.10	Centre for International Affairs	-
Others	-	-	-	-

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	2,500	3.00 Lakhs	-	-	2,500	3.00 Lakhs
Reference Books	1000	2.00 Lakhs	-	-	1000	2.00 Lakhs
e-Books	-	-	-	-	-	-
Journals	-	-	-	-	-	-
e-Journals	-	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	56	2	-	-	-	-	-	-
Added	-	-	-	-	-	5 Printers	-	-
Total	56	2	-	-	-	5	-	-

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
-	193	60	-

(b) No. of students outside the state

-
---

(c) No. of international students

-
---

Men
-----

No	%
94	48

Women
-------

No	%
99	52

5.11 Student organised / initiatives

Fairs : State/ University level

1	al level
---	----------

1	ational level
---	---------------

--

**Criterion – VI**

**6. Governance, Leadership and Management**

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	-	Yes	-
Administrative	-	-	-	-

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

For UG Programmes                      Yes  -                      No  -

For PG Programmes                      Yes                      No                       Yes                       -

# 5.18 MEDICAL PHYSICS

## 1. Curricular Aspects

### Criterion – II

## 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
6	3	1	2	5 (Visiting Faculty)

2.2 No. of permanent faculty with Ph.D.

6
---

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
2	-	-	-	-	-	-	-	2	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

5 (VF)	-	-
--------	---	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	4	-
Presented	3	3	-
Resource Persons	-	-	-

2.10 Average percentage of attendance of students

79%
-----



### Criterion – III

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	4	-	-
Outlay in Rs. Lakhs	-	498.16	-	-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	11	-	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	-	-	-

#### 3.10 Revenue generated through consultancy

Level	International	National	State	University	College
Number	1	1	-	-	-
Sponsoring agencies	Centre for International Affairs, Anna University, Indo Norway Co Operation	DST PURSE	-	-	-

3.13 No. of collaboration International  National  Other

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

11

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

7

#### Criterion – IV

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	7	-	7	-	-	1	1	-
Added	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

-

iii) Equipments

45.16

iv) Others

0.30

**Total :**

45.46

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
-	30	11	5 (MPhil)

(b) No. of students outside the state

3
---

Men

No	%
24	52.2

Women

No	%
22	47.8

General Studies List of Bar (PG) Physically Total General Studies (PG) Physical Total  
 1 C T C Challenge al C ly 1  
 d Challen  
 ged

# MIT campus

## 5.19 Aerospace Engineering

### Criterion – II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
13	8	3	2	--

2.2 No. of permanent faculty with Ph.D.

9

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
3	--	1	-	1	2	-	-	5	2

2.4 No. of Guest and Visiting faculty and Temporary faculty

2

--

5

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	-	<b>1</b>	<b>1</b>
Presented	-	<b>1</b>	-
Resource Persons	<b>3</b>	<b>5</b>	<b>7</b>

2.10 Average percentage of attendance of students 84%

**Criterion – III**

**3. Research, Consultancy and Extension**

3.2 Details regarding major projects – **both sponsored and consultancy projects**

	<b>Completed</b>	Ongoing	Sanctioned	Submitted
Number	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>
Outlay in Rs. Lakhs	<b>Rs. 3,639,500</b>	<b>Rs. 10,207,440</b>	<b>Rs. 9.9 lakhs</b>	-

3.3 Details regarding minor projects

	Complete d	Ongoing	Sanctioned	Submitted
Number	8	7	6	--
Outlay in Rs. Lakhs	2.00 lakhs	1.68 lakhs	1.68 lakhs	--

3.7 No. of books published i) With ISBN No. 1

3.12 No. of faculty served as experts, chairpersons or resource persons 3

3.13 No. of collaborations International 4 National 4 Any other 8

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
3	1	2	-	-	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides

62

and students registered under them

7

#### Criterion – IV

### 4. Infrastructure and Learning Resources

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	15	2	-	-	-	-	-	-
Added	10	-	-	-	-	-	-	-
Total	25	2	-	-	-	-	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

iii) Equipments

Rs. 15.55 lakhs

iv) Others

-

**Total :**

Rs. 15.55 lakhs

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
57	19+20+21	8	--
--	2+1+1	--	--

(b) No. of students outside the state

4+1+1+1
---------

(c) No. of international students

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
17	8		19	--	44	4	8	---	44	1	57

Demand ratio

Dropout %

10 + 3

5.5 No. of students qualified in these examinations

NET

--

SLET

GAT

--

CA

11

2

IAS/IPS etc

--

State PSC

3

JPSC

2

Others

--

## 5.20 Automobile Engineering

### 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	1	-	-	-
PG	1	-	-	-
UG	1	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
<b>Total</b>	<b>3</b>	-	-	-

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

(ii) Pattern of programmes:

~~Semester~~ 3 Number of programmes



1.3 Feedback from stakeholders\*

Alumni  yes  No  Parents  yes  No  Employees  yes  No

(On all aspects)

Mode of feedback : Online  yes  No Manual  yes  No Co-operating schools (for PEI)

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

Yes choice based system is introduced

**Criterion – II**

**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
15	5	4	1	5

2.2 No. of permanent faculty with Ph.D.

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
2	-	-	-	-	-	1	-	-	-

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	5	-	-
Presented	3	-	-
Resource Persons	3	-	-

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

2.10 Average percentage of attendance of students

**Criterion – III**

**3. Research, Consultancy and Extension**

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	2	-
Outlay in Rs. Lakhs	-	18.6	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	14	-	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	6	-	-

3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

3.8 No. of University Departments receiving funds from

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

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	1	-	-	-
Sponsoring agencies	-	UGC XII plan	-	-	-

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

3.15 Total budget for research for current year in lakhs :

From Funding agency  From Management of University/College

Total

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	-	4	6	2	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

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

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

JRF  SRFProj  ellows Any

**Criterion – IV**

**4. Infrastructure and Learning Resources**

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	564	-	-	-	-	-
Reference Books	85	-	-	-	-	-
e-Books	-	-	-	-	-	-
Journals	-	-	-	-	-	-
e-Journals	-	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	40	40	Yes	-	yes	yes	yes	-
Added	-	-	-	-	-	-	-	-
Total	40	40	-	-	-	-	-	-

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

Wireless Internet service is available for student and 20 department PC with internet facility is provide to students

### Criterion – V

#### 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

yes

5.2 Efforts made by the institution for tracking the progression

yes

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
120	44	20	-

5.5 No. of students qualified in these examinations

NET	-	SLET	-	G	-	C	8	-
IAS/IPS etc	-	State PSC	-	PSC	-	Others	-	-

## 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
5	140	90	10

## 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	Yes	10lakhs
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

To be the numero uno in Automobile engineering such that the students are the best in the world and the contributions and the entrepreneurial activities of the department, will be a game-changer in the Automotive Industry.”

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

##### 6.3.2 Teaching and Learning

Yes

##### 6.3.3 Examination and Evaluation

Yes

##### 6.3.5 Library, ICT and physical infrastructure / instrumentation

Yes

6.3.7 Faculty and Staff recruitment

Yes

6.3.8 Industry Interaction / Collaboration

Yes

6.3.9 Admission of Students

Single window system

6.4 Welfare schemes for

Teaching	Yes
Non teaching	Yes
Students	-

6.6 Whether annual financial audit has been done Yes

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	-	Yes	-
Administrative	Yes	--	Yes	-

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

For UG Programmes Yes

For PG Programmes Yes

6.11 Activities and support from the Alumni Association

Conducting the annual meet every year

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

Youth red cross and NSS

## Criterion – VII

### 7. Innovations and Best Practices

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

Energy saving fans are used in new class rooms

Clean the environment daily



## 5.21 Production Technology

### 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	01	00	00	00
PG	02	00	01	00
UG	01	01	00	00
PG Diploma	---	---	---	---
Advanced Diploma	---	---	---	---
Diploma	---	---	---	---
Certificate	---	---	---	---
Others	---	---	---	---
<b>Total</b>	04	01	01	00

Interdisciplinary	01	---	01	---
Innovative	01	---	01	---

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

(ii) Pattern of programmes:

~~SB~~ ~~Number~~ B.E Number of Programmes

1.3 Feedback from stakeholders\*

Alumni  Parents  Employers  Students

*(On all aspects)*

Mode of feedback : Online  Manual  Operating schools (for PEI)

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

aspects.

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

**Criterion – II**

**2. Teaching, Learning and Evaluation**

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
15	06	06	03	05

2.2 No. of permanent faculty with Ph.D.

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
--	2	--	2	--	1	--	2	0	07

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	17	20	20
Presented papers	17	20	20
Resource Persons	5	10	7

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

The institute adopts various alternate approaches for teaching-learning, which have paved the way for innovative practices. The institute has various teaching learning methods apart from regular lecture method like role plays, interactive sessions, presentations, Extra Mural Lectures, Guest lecture series etc. The students are also required to attend seminars organized regularly by the institute. The students undergo On-The-Job training, summer projects, minor research projects and major research projects. The institute promote experiential leaning by method of course based presentation and seminar on current issues and development in global context.

Institute on its part does its best to facilitate innovative practices by procuring the necessary equipment and technology. In order to make learning more interactive, the faculty undertakes the use of new methods of teaching-learning especially through ICT resources. The facilities available are the following:

- Wi-fi internet facility across the campus.
- Laptops and Computers in each department connected through intranet and internet (wired and wi-fi both)
- All classrooms equipped with ceiling-mounted LCD projectors
- Laptops and mobile projectors are also available
- Necessary computer software
- Computer laboratories

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

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop 06 04 05

2.10 Average percentage of attendance of students 95%

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 PRODUCTION TECHNOLOGY	60	25	70	05	---	95
M.E MANUFACTURING ENGINEERING	25	15	80	10	---	95
M.E MECHATRONICS	25	15	80	10	---	95

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

IQAC monitor and evaluate the teaching and learning process with the help of various committees and coordinators like Internal Assessment Coordinator, Examination Coordinator, EML Coordinator, Program Coordinator etc. Some of the key points highlighting the role of IQAC for teaching and learning process are as follows:

- The learning is made student centric by arranging regular and scheduled lectures on all subjects. Along with these extra mural lectures, add on lectures by subject experts from top management institutes are also arranged to facilitate enhanced learning to the students.
- The institute has a faculty program coordinator for the course who looks after smooth conduction of classes. The program coordinators also take regular feedback from the students to insure effective learning on all subjects. Along with this the program coordinator also arranges for extra mural lectures, Management film series, Industry experts, Faculty from top management institutes

for the students. The program coordinator also provides counselling hours for resolving the student's problem relating to subject, research project and other difficulties faced by the students.

- The institute is fully equipped with latest Information and Communication Tools like Wi-Fi Campus, Internet facility, Audio visual Aids for classroom teaching etc. The faculty members are also required to use modern teaching aids such as Powerpoint etc during their lectures. The students are also encouraged to submit and present their assignment in PowerPoint and other latest format to facilitate learning by doing. Moreover, the institute has started using customized software for integrated learning and communication for faculty, students, guest, visitors and alumni. The student and faculty members can exchange the teaching material and other assignments through a common interface accessible to all the faculties and students. With this software, faculty members takes attendance, which is visible to students via their logins, for the self monitoring of the students.
- The institute has its unique regular assessment system for the students. The assessment gives equal weightage to the written, verbal and presentation skills which is assessed by regular presentations, seminars, assignments and internal test of the students. This process helps to identify slow learning students from the advanced learning students. The institute regularly organizes symposium, seminar, extra lectures and counselling session for helping cope up the slow learners in a course. The advanced learners are given opportunities to presents their research work in various national and international conferences and also are given platform to conduct market survey and research for corporate and social topics.
- The institute has two step evaluation processes. The first step is through conduction of internal assessment which is done for each subject in every semester for all the students. The internal assessment includes component of internal test which ensure the performance of the student in its subject. The other components are assignment, seminar presentation and case studies which are given to the students in all subjects spread over the entire semester which includes real world cases and experience for supplement learning and presentation, seminars and assignments for improving and enhancing the subject knowledge as well as developing a better personality. The performance of all the students is monitored by the faculty program coordinator of the course and the faculty collects proper two way feed back on subject and faculty by the student and student feed back by the faculty which is then used for developing the student as a whole.
- With the help of IQAC, institute has started Online Performance Based Appraisal System (PBAS). With the PBAS, the institute evaluates faculty members on their teaching and research performance. The institute has instituted Best Teacher Award given on the basis of student and peer feedback. The evaluation of student feedback helps the faculty member in improving upon the teaching pedagogy and also motivates the faculty members for doing better research work and publication. Beside this, student feedback on course content and subject taught along with the feedback on the faculty members is taken in every semester as a measure to have academic audit and thereby improving upon on all the functional areas.

### 2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	3
UGC – Faculty Improvement Programme	1
HRD programmes	--
Orientation programmes	3
Faculty exchange programme	1
Staff training conducted by the university	4
Staff training conducted by other institutions	--
Summer / Winter schools, Workshops, etc.	6
Others	4

### 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	01	04	--	02
Technical Staff	04	06	--	06

### Criterion – III

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	1	1	4
Outlay in Rs. Lakhs	--	20 lakhs	1	1

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	25	7	34	34
Outlay in Rs. Lakhs	625000/-	175000/-	850000/-	8500000/-

### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	22	18	-
Non-Peer Review Journals	3	5	-
e-Journals	10	0	-
Conference proceedings	42	51	-

### 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	Received
Major projects	2013-14	NRB-DRDO	14.93Lakhs	9.45Lakhs
Minor Projects	--	--	--	--
Interdisciplinary Projects	--	--	--	--
Industry sponsored	--	--	--	--
Projects sponsored by the University/ College	2014-15	CTDT	1.75Lakhs	1.75Lakhs
Students research projects (other than compulsory by the University)	--	--	--	--
Any other(Specify)	--	--	--	--
Total			16.68Lakhs	16.68Lakhs

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

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  T-FIST   
 DPE  ST Scheme/funds

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	--	10	5	5	20
Sponsoring agencies	--	--	--	--	--

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

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	01
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

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

JRF  SRFPr  Fellows  AI  her



### 3.21 No. of students Participated in NSS events:

University level	St	<input type="text" value="700"/>	el	<input type="text" value="700"/>
National level	Inte	<input type="text" value="25"/>	onal level	<input type="text" value="---"/>

### 3.23 No. of Awards won in NSS:

University level	St	<input type="text" value="2"/>	vel	<input type="text" value="1"/>
National level	Ir	<input type="text" value="---"/>	ional level	<input type="text" value="---"/>

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

#### Social Responsibility

- Blood Donation Camp has been organized
- Help Blind students
- Spent time by bringing orphan kids to college and arrange development programs

#### 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	-	-	-	-
Class rooms	03	01	University	03
Laboratories	10	--	University	10
Seminar Halls	01	--	University	01
No. of important equipments	--	--	--	--

purchased ( $\geq 1-0$ lakh) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)	--	--	--	--
Others	--	--	--	--

**Criterion – V**

**5. Student Support and Progression**

5.5 No. of students qualified in these examinations

NET      SE  ET      GA       CA  10       2

IAS/IPS etc       State PSC       PSC       s     

5.6 Details of student counselling and career guidance

- Language Development
- Career Development
- Soft Skill Development

## 5.22 Instrumentation Engineering

### Criterion – II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
<b>15</b>	<b>6</b>	<b>6</b>	<b>3</b>	<b>-</b>

2.2 No. of permanent faculty with Ph.D.

<b>12</b>
-----------

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
-	<b>01</b>	<b>01</b>	-	-	-	-	-	<b>01</b>	<b>01</b>

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	<b>6</b>
---	---	----------

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	01	15	-
Presented papers	-	04	-
Resource Persons	01	04	-

2.10 Average percentage of attendance of students

<b>98.8%</b>
--------------

### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	01	01	01
Outlay in Rs. Lakhs	-	Rs. 298 L	Rs.135 L	150 L (*)

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	05	08	05
Outlay in Rs. Lakhs	Rs. 0.5 L	Rs. 1.11 L	Rs. 1.94 L	Rs. 1.11 L

### 3.11 No. of conferences Organized by the Institution

Level	International	National	State	University	College
Number	-	01	-	-	-
Sponsoring agencies	-	UGC XII Plan	-	-	-

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

3.13 No. of collaborations International  National  Any other

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
2	2	-	-	-	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides

and students registered under them

## Criterion-IV

### 4. Infrastructure and Learning Resource

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	147	01	-	-	-	1	1	-
Added	-	01	-	-	-	-	-	-
Total	147	02	-	-	-	1	1	-

#### 4.6 Amount spent on maintenance in lakhs:

i) ICT

Rs. 0.99 L

ii) Campus Infrastructure and facilities

-

iii) Equipments

Rs. 16.64 L

iv) Others

Rs. 7.55 L

Total:

Rs.25.18 L

5.3 (a) Total Number of students

UG	PG	Ph.D	Others
493	43	-	-

(b) No. of students outside the state

07
----

Men

No	%
314	59

Women

No	%
222	41

General SC ST DBT Yr Physically Total General SC ST DBT Yr Physically Total  
 al C Challenged 1 C Challenge 61  
 d

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

Answers to the questions that have appeared in the GATE examinations related to a particular topic in a subject will be discussed by the faculty member, while teaching that topic in the regular class hours.
--

No. of students beneficiaries

GATE 2015 - 03
----------------

## 5.23 Information Technology

### 2. Teaching Learning and Evaluation

#### 2.1 Total No. Of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
11	8	3	-	-

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

6
---

#### 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
-	-	-	-	-	-	2	2	2	2

#### 2.4 No. of Guest and Visiting faculty and Temporary faculty

-	1	13
---	---	----

#### 2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	3	-	-
Workshops Presented papers	5	-	-
Resource Persons	-	-	-

#### 2.10 Average percentage of attendance

93
----

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	1
Outlay in Rs. Lakhs	-	-	-	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	01	01	-
Outlay in Rs. Lakhs	-	32.5	32.5	-

#### 3.11 No. of conferences organized by the Institution

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

#### 3.1

2 No of faculty served as experts, chairpersons or resource persons

No of events Chaired and Co Chaired by Faculties			
International	chaired	Conference	1
		Workshop	-
National	Co - chaired	Conference	-
	chaired	workshop	6



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

and students registered under them

#### 4. Infrastructure and Learning Resources:

##### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	250	Departments have computer labs, internet facility, Wi-Fi connectivity. All offices also have access to internet facilities.						

##### 4.6 Amount spent on maintenance in lakhs :

i) ICT	<input type="text" value="-"/>
ii) Campus Infrastructure and facilities	<input type="text" value="-"/>
iii) Equipments	<input type="text" value="-"/>
iv) Other	<input type="text" value="21.34"/>
<b>TOTAL:</b>	<input type="text" value="21.34"/>

#### 5. Student Support and Progression

5.3(a) Total Number of students

UG	PG	Ph. D.	Others
338	40	35	-

5.5 No. of students qualified in these examinations

GATE - 2

GRE/TOFEL - 5

## 5.24 Computer Technology

### Criterion – II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	16	10	4	2	--

2.2 No. of permanent faculty with Ph.D.

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
1	-	1	-	-	2	-	-	2	2

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	5	-	-
Presented	10	-	-
Resource Persons	-	3	-

2.10 Average percentage of attendance of students

### Criterion – III

### 3. Research, Consultancy and Extension

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2	-	-
Outlay in Rs. Lakhs	8.96	105.02	-	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	7	-	-
Outlay in Rs. Lakhs	0.50	2.25	-	-

#### 3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	-	1 (FDP)	-	-
Sponsoring agencies	-	-	-	-	-

#### 3.12 No. of faculty served as experts, chairpersons or resource persons 7

#### 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
3	1	1	1	-	-	-

#### 3.18 No. of faculty from the Institution who are Ph. D. Guides 7

and students registered under them

50

### Criterion – IV

#### 4. Infrastructure and Learning Resources

##### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	325	4 + 2(R & D)	2	-	-	1	1	-
Added	52	5 (R & D)	-	-	-	-	-	-
Total	377	10	2	-	-	1	1	-

##### 4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

-

iii) Equipments - Air Conditioners

2.74

iv) Others

-

**Total :**

2.74

### Criterion – V

#### 5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
485	44	12	--

(c) No. of international students

16
----

Men

No	%
243	46

Women

No	%
286	54

General (150) Physically Challenged (10) Total (160) General (150) Physically Challenged (10) Total (160)

## 5.25 Electronics Engineering

Criterion – I

### 1. Curricular Aspects

### 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	-	-	-	-
PG	1	2	2	CCNA
UG	1	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
<b>Total</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>-</b>

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

#### **CBCS**

(ii) Pattern of programmes:

Semester ~~1~~ ~~2~~ ~~3~~ ~~4~~

-

Number of

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

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

Course :	(1) M. E. (Wireless Technologies)
	(2) M. E. (VLSI & Embedded Technologies)

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
23	14	05	04	-

2.2 No. of permanent faculty with Ph.D.

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
-	-	1	-	-	1	-	-	-	-

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	-	-	-
Presented	4	1	-
Resource	-	-	7

Persons			
---------	--	--	--

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

- |   |
|---|
| <ol style="list-style-type: none"> <li>1. Multimedia Class Rooms</li> <li>2. PPT uploaded @ annauniv.edu &amp; NPTEL</li> </ol> |
|---|

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

As per University Norms – Schedule in Academic Courses
--

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

6	6	6
---	---	---

2.10 Average percentage of attendance of students

75%
-----

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	02	-	-	-
Technical Staff	04	-	-	-

**Criterion – III**

**3. Research, Consultancy and Extension**

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
--	-----------	---------	------------	-----------



Number	-	2	44.11	-
Outlay in Rs. Lakhs	-	-	-	-

3.8 No. of University Departments receiving funds from

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

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	01	-	-	✓	-
Sponsoring agencies	-	-	-	-	-

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

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

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

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

JRF  SRF  Project Fellows  Any other

#### 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	-	-	-	-
Class rooms	-	-	-	-
Laboratories	-	-	-	-
Seminar Halls	-	-	-	-
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	1.Desktop Computers – 100 Nos.  2.Equipments/Tools for the Integrated Platform for Test & Measurement – 5 Bundles	-	51.60 Lakhs  77.99 Lakhs
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-
Others	-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Exist	202	-	-	-	-	-	-	-

ing								
Added	100	-	-	-	-	-	-	-
Total	302	-	-	-	-	-	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

**Total :**

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
682	100	88	-

**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

## **5.26 Rubber & Plastics Technology**

**Criterion – I**

### **1. Curricular Aspects**

**Criterion – II**

## 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
6	1	1	4	-

2.2 No. of permanent faculty with Ph.D.

6

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
-	1	1	-	1	-	-	-	2	1

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

-

5

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	-	-	-
Presented	1	-	-
Resource Persons	-	-	-

2.10 Average percentage of attendance of students

89

### Criterion – III

## 3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted

Number	1	2	-	-
Outlay in Rs. Lakhs	9,00,000	16,18,000	-	-

### 3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	1	-	-	-
Sponsoring agencies	-	Self - supported	-	-	-

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

6
---

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

5
---

### and students registered under them

16
----

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.4 Technology up gradation (overall)

Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others

Exi stin g	35	25	-	-	-	3	7	-
Ad ded	-	-	-	-	-	-	-	-
Tot al	35	-	-	-	-	-	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT	--
ii) Campus Infrastructure and facilities	--
iii) Equipments	1.00 Lakh
iv) Others	--
<b>Total :</b>	1.00 Lakh

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

	UG	PG	Ph. D.	Others
	137	29	16	-

  

Men	No	%	Women	No	%
	121	66		61	34

Last Year

This Year

Gen	SC	ST	OB	Physically	Total	Gen	SC	ST	OB	Physically	Total
eral	C		C	Challenge		eral	C		C	ly	
				d						Challen	ged
											ged

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	NET/SLET	<input type="text" value="-"/>	TE	<input type="text" value="3"/>	AT	<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="-"/>

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

For UG Programmes                      Yes       No

For PG Programmes                      Yes       No

## 5.27 Computer Center MIT

### 1. Curricular Aspects

#### Criterion – II

#### 2. Teaching, Learning and Evaluation



2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
2	-	-	-	-

2.2 No. of permanent faculty with Ph.D.

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	-	10
---	---	----

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

Spoken tutorial for various subjects is conducted to get addition knowledge in the subjects

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

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

2.10 Average percentage of attendance of students

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	2	0	0	1
Technical Staff	2	0	0	7

### Criterion – III

3.15 Total budget for research for current year in lakhs :

11.5 lakhs

### 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	-	-	-	-
Class rooms	-	-	-	-
Laboratories	-	-	-	-
Seminar Halls	-	-	-	-
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	2.28	GF	2.28
Others	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computer s	Computer Labs	Internet	Browsi ng Centres	Comput er Centres	Offic e	Depa rt-ment s	Other s
Existin g	200	2	90 Mbps	-	-	-	-	-

Added	-	-	-	-	-	-	-	-
Total	200	2	90 Mbps	-	-	-	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT	-
ii) Campus Infrastructure and facilities	17.5 lakhs
iii) Equipments	1 lakh
iv) Others	-
<b>Total :</b>	18.5 lakhs

## ACT Campus

### 5.28 Chemical Engineering

Criterion – I

#### 1. Curricular Aspects

Criterion – II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
21	7	7	7	11

2.2 No. of permanent faculty with Ph.D.

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
-	-	-	-	-	-	-	-	-	-

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	2	-	-
Presented	-	-	-
Resource Persons	-	-	-

2.10 Average percentage of attendance of students

### Criterion – III

## 3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	5	3	5
Outlay in Rs. Lakhs	-	-	-	-

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	5	5	6
Outlay in Rs. Lakhs	-	-	-	-

3.7 No. of books published i) With ISBN No.

Chapters in Edited Books

### 3.11 No. of conferences organized by the Institution

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

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

3.13 No. of collaborations International  National

Any other

### 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
1	-	-	-	1	-	-

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

and students registered under them

#### Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.4 Technology up gradation (overall)

	Total Computer s	Comput er Labs	Inter net	Browsi ng Centres	Comput er Centres	Offi ce	Depa rt-ment s	Other s
Existi ng	26	1	-	-	1	2	1	-
Adde d	3	-	-	-	-	-	-	-
Total	29	1	-	-	1	2	1	-

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

**Total :**

#### Criterion – V

### 5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
458	111	50	-

5.5 No. of students qualified in these examinations

NET	<input type="text" value=""/>	T/SLET	<input type="text" value="-"/>	AATE	<input type="text" value="1"/>	AT	<input type="text" value="3"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

## 5.29 Ceramic Technology

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	4	1	1	2	-

2.2 No. of permanent faculty with Ph.D.

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
-	5	-	3	-	1	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

9	-	-
---	---	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	10	6	-
Presented	6	4	-
Resource Persons	-	1	-

2.10 Average percentage of attendance of students

90%
-----

**Criterion – III**

**3. Research, Consultancy and Extension**

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	1	1	-
Outlay in Rs. Lakhs	71,33,400	24,85,895	85,00,000	-



### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	-	-	5
Outlay in Rs. Lakhs	1.25L	-	-	1.25L

### 3.11 No. of conferences organized by the Institution

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

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

2

### 3.13 No. of collaborations

International

-

National

-

Any other

3

### 3.14 No. of linkages created during this year

3

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

5

and students registered under them

27

### 4.4 Technology up gradation (overall)

Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others

Exist ing	24	10	-	-	1	1	6	6
Adde d	-	-	-	-	-	-	-	-
Total	24	10	-	-	1	1	6	6

#### 4.6 Amount spent on maintenance in lakhs :

i) ICT	-
ii) Campus Infrastructure and facilities	0.4
iii) Equipments	0.6
iv) Others	0.7
<b>Total :</b>	1.7

## 5.30 Textile Technology

### Criterion – II

#### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
13	8	2	3	-

2.2 No. of permanent faculty with Ph.D. 

12
----

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
-	-	-	1	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty 

-
---

1
---

3
---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	1	-
Presented	9	2	-
Resource Persons	-	-	-

2.10 Average percentage of attendance of students 

80%
-----

### Criterion – III

#### 3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2	2	-
Outlay in Rs. Lakhs	6.0	32	-	-

3.13 No. of collaborations      International       National   
 Any other

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
	-	-	-	-	-	1

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

and students registered under them

**Criterion – IV**

**4. Infrastructure and Learning Resources**

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others

Existing	-	-	-	-	-	-	39	-
Added	-	-	-	-	-	-	2	-
Total	-	-	-	-	-	-	41	-

4.6 Amount spent on maintenance in lakhs :

i) ICT	-
ii) Campus Infrastructure and facilities	-
iii) Equipment	32.75
iv) Others	-
<b>Total :</b>	32.75

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
253	15	18	-

Men	No	%	Women	No	%
	75	29.6		179	70.7

## 5.31 Biotechnology

### Criterion – II

#### 2. Teaching, Learning and Evaluation

##### 2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others

18	6	6	6	2
----	---	---	---	---

2.2 No. of permanent faculty with Ph.D. 17

2.4 No. of Guest and Visiting faculty and Temporary faculty

1	5	15
---	---	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	3	2	-
Presented	-	-	-
Resource Persons	1	8	-

2.10 Average percentage of attendance of students 95%

### Criterion-III

#### 3. Research Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
--	-----------	---------	------------	-----------

Number	-	15	3,45,37,740 crores	10
Outlay in Rs. Lakhs				

### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3	28,00,000	-
Outlay in Rs. Lakhs				

3.7 No. of books published i) With ISBN No.

Chapters in Edited Books

### 3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	8	-	-	-
Sponsoring agencies	-	-	-	-	-

### 3.13 No. of collaborations

International  National  Any other

3.14 No. of linkages created during this year

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
6	2	4	-	-	-	-

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

#### Criterion – IV

#### 4. Infrastructure and Learning Resources

##### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	70	10	RCC internet	5	7	8	20	20 Taramani lab
Added								
Total	70	10	-	5	7	8	20	20

##### 4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

**Total :**

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	PhD/MS	Others
403	179	110	-

(b) No. of students outside the state

(c) No. of international students

Men

No	%
298	42

Women

No	%
394	58

General Student Support and Progression  
SLOs/By-Products/Challenged  
Physically Challenged  
Total General Student Support and Progression  
Physically Challenged

Demand ratio                      Dropout %    3%

5.5 No. of students qualified in these examinations

NET	<input type="text" value="2"/>	SET/SLET	<input type="text" value="1"/>	GATE	<input type="text" value="-"/>	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="-"/>

## 5.32 Applied Sciences & Technology

Criterion – I

### 1. Curricular Aspects

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

(ii) Pattern of programmes:

~~2~~ Number of programmes

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
7	3	3	1	-

2.2 No. of permanent faculty with Ph.D.

2.4 No. of Guest and Visiting faculty and Temporary faculty

<input type="text" value="2"/>	<input type="text" value="1"/>	<input type="text" value="10"/>
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	19	2
Presented	-	-	-
Resource Persons	-	-	-

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

2.10 Average percentage of attendance of students

**Criterion – III**

**3. Research, Consultancy and Extension**

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	16	-	-
Outlay in Rs. Lakhs	-	415.52	-	-

3.7 No. of books published i) With ISBN No.

Chapters in Edited Books

3.11 No. of conferences organized by the Institution

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

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

3.13 No. of collaborations      International      National

Any other     

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
3	-	2	-	1	-	-

### Criterion – IV

#### 4. Infrastructure and Learning Resources

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	30	25	30	25	25	3	-	-
Added	-	-	-	-	-	-	-	-
Total	30	25	30	25	25	3	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT     

ii) Campus Infrastructure and facilities     

iii) Equipments     

iv) Others

**Total :**

41.09
-------

**Criterion – V**

**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
96	49	36	-

**5.33 SAP Campus - Architecture**

**Criterion – I**

**2. Teaching, Learning and Evaluation**

Total	Asst. Professors	Associate Professors	Professors	Others
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2.1 Total No. of permanent faculty 

24	7	5	3	9
----	---	---	---	---

2.2 No. of permanent faculty with Ph.D. 

6
---

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
7	2	6	1	2	1	-	-	15	4

2.4 No. of Guest and Visiting faculty and Temporary faculty

20	25	-
----	----	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	4	9	-
Presented	4	9	-
Resource Persons	-	-	-

2.10 Average percentage of attendance of students 

85
----

### Criterion – III

### 3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Complete	Ongoing	Sanctioned	Submitted
	d			ted



Number	-	1	-	-
Outlay in Rs. Lakhs	-	112	-	-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	-	-	3	-
Sponsoring agencies	-	-	-	-	-

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

3.13 No. of collaborations International  National

Any other

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
-	-	1	-	-	-	-

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

and students registered under them

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

- Street Art Festival, Chennai- Goethe Institute, Corporation of Chennai, and SAP, Anna University
- YRC activities: Students attended a week's special camp to a village near Maraimalainagar near Tinidvanam- organised health campus for inhabitants

and interacted with children in the rural school and supplied stationary and toys

**Criterion – IV**

**4. Infrastructure and Learning Resources**

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	89	55	4	-	-	5	20	5
Added	-	-	-	-	-	-	-	-
Total	89	55	4	-	-	5	20	5

4.6 Amount spent on maintenance in lakhs :

i) ICT

1

ii) Campus Infrastructure and facilities

113

iii) Equipments

44

iv) Others

-

**Total :**

158

**Criterion – V**

**5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The presence of IQAC with one representative in IQAC helps in disseminating quality aspects in students and staff activities

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
393	103	10	-

(b) No. of students outside the state

(c) No. of international students

Men	No	%
	155	31

Women

No	%
341	69

General C T MB Challenge  
 Physically Challenged  
 Total 406  
 Gender B C  
 This Year Physical  
 BC / Challenged  
 105

Demand ratio

Dropout % 0.008

5.5 No. of students qualified in these examinations

NET  SET/SLET  GATE  CAT   
 IAS/IPS etc  State PSC  UPSC  Others

5.11 Student organised / initiatives

Fairs : State/ University level  tional level   
 International level   
 Exhibition: State/ University level  tional level   
 International level

5.12 No. of social initiatives undertaken by the students

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

AnnaUniversity shall strive towards a world class institution by training professionals with high technical knowledge, professional skills and ethical values

Anna university aims to be recognise as a catalyst, leader, and trend setter in technical education

#### 6.2 Does the Institution has a management Information System

All information relating to academic activities can be accessed through [www.annauniv.edu](http://www.annauniv.edu)

### **Planning**

#### **3.8. No. of University Departments receiving funds from:**

UGC-SAP	-	10
CAS	-	0
DST-FIST	-	19
DBT Scheme / funds	-	3

#### **3.15 Total budget for research for current year in lakhs:**

From Management of University / College : 270 lakhs

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

##### **6.3.5 Library:**

Initialised for

- ❖ Networking of all libraries
- ❖ Digitilization of all Ph.D. thesis.

### I.C.T. infrastructure:

#### **Virtual Research Lab (VRL)**

The servers are implemented with the VMware and VDI Solutions which facilitates a Virtual Research Lab (VRL). VRL provides echnological benefits to researchers, it standardizes applications and processes, provisions software, resources and management of data, reduces total cost of ownership, cuts resource management costs including power and cooling, raises server utilization and software licenses, reducing purchasing requirements and optimizes resource allocation. VRL delivers the most advanced software and hardware resources and services to the researchers of all department in the University.

The VRL is installed with MATLAB and QUALNET software, which are used by the faculty and students of all departments. These VRL installed software provides fast data sharing and high processing applications for the complex research operations, which in-turn has reduced the time and effort for computations in research activities.

#### **Smart Class Room & e-Notice Board Facilities**

In all the four campuses, 80 class rooms are converted to Smart Class Rooms. Each class room is equipped with Interactive white Board, Interactive Pad, Electronic Podium, Visualizer, Multimedia Projector and a 46” LCD display unit with a provision for video-conferencing and other communication facilities such as WiFi & internet.

Campus wide Information Display system(eNotice Board-eNB) has recently been established in the campus. Each department/Centre is provided a LED display unit with media player, through which information are disseminated in the hierarchical level (Registrar, Dean, HOD) to the academia. It enhances the conventional notice board system. In the first phase, eNBs have been installed in 65 locations, at all the four campuses.

## **VoIP (Intercom) Facility**

Telephonic communications service in the University campus has been enhanced using Voice over IP (VoIP) technology. VoIP services are installed with 2400 analog ports and 600 IP ports serving from one main Enterprise Communication Server and six Remote Shelves. VoIP services such as call mobility, call monitoring, broadcasting and direct landing facility has also been included in service delivery.

## **Video Conferencing Facility**

Video Conferencing system available in the University facilitate on-demand and live streaming services to the University for the benefit of students and faculty members to share their knowledge and research expertise globally. University has a dedicated video streaming server, ten high definition series VC units with a 16 port MCU.

## **Network Facilities**

Anna University Campus Network covers more than 50 buildings spread over 100 hectares with Single and Multimode Fibre Optic Cable backbone with high capacity Active Network Gigabit Components. RCC provides and supports the Intranet and Internet connectivity to MIT (15km away) and Taramani (10km away) campuses by an 8 Mbps Bandwidth leased line.

- ❖ 135 Mbps leased line is provided for Internet activities.
- ❖ In addition, Government of India has provided 1Gbps internet bandwidth for connecting research institutes under the National knowledge Network (NKN) Scheme.
- Campus Network (wired and wireless) is having a Backbone of 10 Gbps capacity to support network active devices.
- A Secured Wireless Access Connectivity (Wi-Fi) is provided to all the four campuses extending upto the hostels with more than 100 outdoor and 200 indoor access points so as to enable users access the facility anywhere, anytime and any form.

- Campus Network facility is stretched to the length and breadth of the university, to facilitate connectivity to staff quarters and hostels, enabling them to work off office hours.
- Campus Network consists of more than 150 manageable networking devices having a working range of 10/10/10000 Mbps to 10 Gbps. All the departments of the university put together, campus network connects more than 6000 desktop systems.

The computing and network backbone facility enables researchers' faster access to digital library, web articles, recent conferences, paper submissions, webinars, video lectures, online advanced study material, latest research presentation slides, research forums, and online books.

### **Internet Tree**

Anna University has provided Wi-Fi hotspots, which allows Internet access to the researchers and students using their laptops and other portable digital devices round the clock. These Wi-Fi hotspots are called Internet Trees at Anna University. Each hotspot also includes recharge facility to the laptops and other portable digital devices. It is a runaway hit among the research and student community. More than seven such Internet Trees have been established in the university departments/campus. The Internet tree enables the researchers to

1. Access to digital library. Besides the known advantages of access to digital library, researchers can access them at their own space and time.
2. Besides the known benefits of information and data gathering in the internet, the researchers can compute and access lab servers at their own space and time.

Anytime, anywhere computational and data facility provided through Internet trees has a definite positive impact on the research productivity as it had made information access space and time simplified.

## **Computational & Network Facilities**

Anna University has upgraded from time to time the computing facility by installing latest computer systems to cater to the computing needs of the faculty, research scholars, students and university administration.

Anna University's Server Farms has a range of latest servers and data storage devices to cater to the computing and storage needs of the university. IBM XEON Server, IBM Netfinity Servers with SCO UNIX, Solaris, Linux and Windows 2008 Server Edition and Windows 7 Desktop operating systems are some of them. In addition to the above, many powerful servers from various departments are also linked to the Ramanujan Computing Centre's network to provide enhanced facilities to the researchers. High end computing nodes are in the network of RCC. An Internet lab functions 24 X 7 in which internet service is provided by Ramanujan Computing Centre to researchers, staff and students of the university departments of Anna University.

### **6.3.6 Human Resource Management:**

F.D.T.P. for Teaching staff on

Training the trainees - NASSCOM, Microsoft,

Training the trainees for conduct of Bridge course.

### **6.3.7. Faculty and Staff recruitment:**

Recruitment based on AP1 score.

### **6.4. Welfare schemes for:**

Teaching & Non-teaching : Health insurance, Festival Advance, Educational loan, vehicle loan, House building Advance .

Students: Scholarship, Research Fellowship & Tuition fee concession.

**6.6** Whether annual financial audit has been done: Yes.



**6.13** : Development programmes for support staff:

10 days Programme conducted titled "Capacity Building and Change Management" from 11.03.2013 to 22.03.2013 (excluding 16th & 17th March).

## **5.34 SAP Campus - Planning**

**Criterion – III**

**3. Research, Consultancy and Extension**

3.8 No. of University Departments receiving funds from

10

-

19

UGC-SAP

CAS

DST-FIST

DPE

DBT Scheme/funds

3.15 Total budget for research for current year in lakhs :

From Funding agency

From Management of University/College

Total

## Criterion – VI

### **6. Governance, Leadership and Management**

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

#### **6.3.5 Library:**

##### Initialised for

- ❖ Networking of all libraries
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#### 6.3.6 Human Resource Management

F.D.T.P. for Teaching staff on  
Training the trainees - NASSCOM, Microsoft,  
Training the trainees for conduct of Bridge course.

#### 6.3.7 Faculty and Staff recruitment

Recruitment based on AP1 score.

#### 6.4 Welfare schemes for

**Teaching & Non-teaching :** Health insurance, Festival Advance, Educational loan, vehicle loan, House building Advance .

**Students:** Scholarship, Research Fellowship & Tuition fee concession

6.6 Whether annual financial audit has been done    Yes  Y    No  -

#### 6.13 Development programmes for support staff

10 days Programme conducted titled "Capacity Building and Change Management" from 11.03.2013 to 22.03.2013 (excluding 16th & 17th March).



ANNA UNIVERSITY , CHENNAI - 25

OFFICE OF THE ADDITIONAL CONTROLLER OF EXMINATIONS

( UNIVERSITY DEPARTMENTS )

COURSE / PROGRAMME WISE DISTRIBUTION OF PASS % IN APR / MAY 2015



VERSION 8.3

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**CAMPUS :** 1 COLLEGE OF ENGINEERING

**DEPT :** 11 GEOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Sc - APPLIED GEOLOGY - [F.T]	23	0	23	4	19	0

**DEPT :** 12 CHEMISTRY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Phil - CHEMISTRY - [F.T]	4	0	4	1	3	0
2	M.Sc - APPLIED CHEMISTRY - [F.T]	16	4	14	3	11	0
3	M.Tech - POLYMER SCIENCE AND ENGINEERING - [F.T]	14	0	13	6	7	0

**DEPT :** 13 CIVIL ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - AGRICULTURAL AND IRRIGATION ENGINEERING - [F.T]	39	2	33	9	22	2
2	B.E - CIVIL ENGINEERING (TAMIL MEDIUM) - [F.T]	58	5	49	10	39	0
3	B.E - CIVIL ENGINEERING - [F.T]	84	15	69	23	44	2
4	B.E - CIVIL ENGINEERING - [P.T]	44	93	31	0	22	9
5	B.E - GEO-INFORMATICS - [F.T]	39	2	38	9	28	1
6	M.E - CONSTRUCTION ENGINEERING AND MANAGEMENT - [F.T]	24	0	23	12	11	0
7	M.E - CONSTRUCTION ENGINEERING AND MANAGEMENT - [P.T]	1	0	1	0	1	0
8	M.E - ENVIRONMENTAL ENGINEERING - [F.T]	10	0	10	5	5	0
9	M.E - ENVIRONMENTAL MANAGEMENT - [F.T]	20	3	19	4	13	2
10	M.E - ENVIRONMENTAL MANAGEMENT - [P.T]	13	5	11	0	10	1
11	M.E - GEOMATICS - [F.T]	21	3	17	3	14	0





**CAMPUS :** 1 COLLEGE OF ENGINEERING

**DEPT :** 13 CIVIL ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
12	M.E - HYDROLOGY AND WATER RESOURCES ENGINEERING - [F.T]	17	2	18	3	15	0
13	M.E - INTEGRATED WATER RESOURCES MANAGEMENT - [F.T]	26	2	21	8	13	0
14	M.E - IRRIGATION WATER MANAGEMENT - [F.T]	17	1	17	3	14	0
15	M.E - SOIL MECHANICS AND FOUNDATION ENGINEERING - [F.T]	19	1	21	4	14	3
16	M.E - STRUCTURAL ENGINEERING - [F.T]	27	1	27	13	14	0
17	M.E - STRUCTURAL ENGINEERING - [P.T]	1	0	1	0	1	0
18	M.E - TRANSPORTATION ENGINEERING - [F.T]	21	0	21	12	9	0
19	M.E - TRANSPORTATION ENGINEERING - [P.T]	2	0	2	2	0	0
20	M.Tech - COASTAL MANAGEMENT - [F.T]	16	1	14	2	12	0
21	M.Tech - REMOTE SENSING - [F.T]	21	0	19	2	17	0

**DEPT :** 14 COMPUTER SCIENCE AND ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - COMPUTER SCIENCE AND ENGINEERING - [F.T]	223	44	212	62	136	14
2	B.E - COMPUTER SCIENCE AND ENGINEERING - [P.T]	34	72	16	0	7	9
3	M.E - COMPUTER SCIENCE AND ENGINEERING - [F.T]	27	1	24	8	15	1
4	M.E - SOFTWARE ENGINEERING - [F.T]	23	2	20	8	11	1
5	M.E - SYSTEMS ENGINEERING AND OPERATIONS RESEARCH - [P.T]	14	2	16	3	12	1

**DEPT :** 15 ELECTRONICS AND COMMUNICATION ENGINEERING

**CAMPUS** : 1 COLLEGE OF ENGINEERING**DEPT** : 15 ELECTRONICS AND COMMUNICATION ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - BIO - MEDICAL ENGINEERING - [F.T]	44	3	39	10	28	1
2	B.E - ELECTRONICS AND COMMUNICATION ENGINEERING - [F.T]	230	68	198	61	123	14
3	B.E - ELECTRONICS AND COMMUNICATION ENGINEERING - [P.T]	37	77	30	0	15	15
4	M.E - APPLIED ELECTRONICS - [F.T]	22	1	21	8	13	0
5	M.E - APPLIED ELECTRONICS - [P.T]	24	3	22	3	18	1
6	M.E - BIO MEDICAL ENGINEERING - [F.T]	18	3	14	0	14	0
7	M.E - COMMUNICATION SYSTEMS - [F.T]	24	2	24	10	14	0
8	M.E - MEDICAL ELECTRONICS - [F.T]	19	0	17	10	7	0
9	M.E - MEDICAL ELECTRONICS - [P.T]	18	5	18	1	14	3
10	M.E - VLSI DESIGN - [F.T]	28	1	29	6	22	1

**DEPT** : 16 ELECTRICAL AND ELECTRONICS ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - ELECTRICAL AND ELECTRONICS ENGINEERING - [F.T]	66	4	62	18	41	3
2	B.E - ELECTRICAL AND ELECTRONICS ENGINEERING - [P.T]	47	56	25	0	18	7
3	M.E - CONTROL AND INSTRUMENTATION ENGINEERING - [F.T]	20	2	20	7	11	2
4	M.E - EMBEDDED SYSTEM TECHNOLOGIES - [F.T]	27	2	28	5	22	1
5	M.E - EMBEDDED SYSTEM TECHNOLOGIES - [P.T]	13	2	10	3	7	0
6	M.E - HIGH VOLTAGE ENGINEERING - [F.T]	19	0	19	3	16	0
7	M.E - POWER ELECTRONICS AND DRIVES - [F.T]	21	2	20	6	14	0



**CAMPUS :** 1 COLLEGE OF ENGINEERING

**DEPT :** 16 ELECTRICAL AND ELECTRONICS ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
8	M.E - POWER ELECTRONICS AND DRIVES - [P.T]	17	4	14	0	13	1
9	M.E - POWER ENGINEERING AND MANAGEMENT - [F.T]	20	0	20	5	15	0
10	M.E - POWER SYSTEMS ENGINEERING - [F.T]	25	0	25	5	18	2
11	M.E - POWER SYSTEMS ENGINEERING - [P.T]	21	3	14	3	11	0

**DEPT :** 17 ENGLISH

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Phil - ENGLISH - [F.T]	10	0	10	0	9	1

**DEPT :** 18 INDUSTRIAL ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - INDUSTRIAL ENGINEERING - [F.T]	44	8	41	12	27	2
2	B.E - INDUSTRIAL ENGINEERING - [P.T]	39	98	22	0	11	11
3	M.E - INDUSTRIAL ENGINEERING - [F.T]	18	0	16	5	11	0
4	M.E - INDUSTRIAL ENGINEERING - [P.T]	1	0	1	0	1	0
5	M.E - QUALITY ENGINEERING AND MANAGEMENT - [P.T]	15	0	13	3	10	0

**DEPT :** 19 MANAGEMENT STUDIES

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.B.A - HOSPITALITY MANAGEMENT - [F.T]	5	2	5	0	5	0
2	M.B.A - MASTER OF BUSINESS ADMINISTRATION - [F.T]	51	1	52	3	47	2
3	M.B.A - MASTER OF BUSINESS ADMINISTRATION - [P.T]	21	1	12	0	10	2

**CAMPUS** : 1 COLLEGE OF ENGINEERING**DEPT** : 20 MANUFACTURING ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - MANUFACTURING ENGINEERING - [F.T]	41	6	34	6	27	1
2	B.E - MANUFACTURING ENGINEERING - [P.T]	48	89	19	0	9	10
3	M.E - COMPUTER INTEGRATED MANUFACTURING - [F.T]	20	0	18	6	12	0
4	M.E - COMPUTER INTEGRATED MANUFACTURING - [P.T]	14	4	14	3	10	1

**DEPT** : 21 MATHEMATICS

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Phil - MATHEMATICS - [F.T]	10	0	9	3	6	0
2	M.Phil - MATHEMATICS - [F.T]	10	0	10	5	5	0
3	M.Sc - APPLIED MATHEMATICS - [F.T]	29	12	20	2	16	2
4	M.Sc - APPLIED MATHEMATICS - [F.T]	28	7	12	2	10	0
5	M.Sc 5YR - COMPUTER SCIENCE(5 YRS INTEGRATED) - [F.T]	26	0	25	7	18	0
6	M.Sc 5YR - INFORMATION TECHNOLOGY(5 YRS INTEGRATED) - [F.T]	25	2	25	3	22	0

**DEPT** : 22 MECHANICAL ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - MATERIALS SCIENCE AND ENGINEERING - [F.T]	40	6	38	14	19	5
2	B.E - MECHANICAL ENGINEERING (TAMIL MEDIUM) - [F.T]	49	5	40	2	36	2
3	B.E - MECHANICAL ENGINEERING - [F.T]	193	29	163	38	114	11
4	B.E - MECHANICAL ENGINEERING - [P.T]	47	82	31	0	16	15
5	M.E - COMPUTER AIDED DESIGN - [P.T]	17	4	13	6	7	0



**CAMPUS :** 1 COLLEGE OF ENGINEERING

**DEPT :** 22 MECHANICAL ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
6	M.E - ENERGY ENGINEERING - [F.T]	23	1	19	8	11	0
7	M.E - ENERGY ENGINEERING - [P.T]	19	8	15	2	13	0
8	M.E - ENGINEERING DESIGN - [F.T]	23	3	23	7	15	1
9	M.E - INTERNAL COMBUSTION ENGINEERING - [F.T]	21	2	16	1	14	1
10	M.E - INTERNAL COMBUSTION ENGINEERING - [P.T]	24	3	14	2	10	2
11	M.E - MANUFACTURING SYSTEMS AND MANAGEMENT - [F.T]	21	2	21	3	16	2
12	M.E - PRODUCT DESIGN AND DEVELOPMENT - [P.T]	21	6	20	4	13	3
13	M.E - SOLAR ENERGY - [F.T]	16	2	17	2	15	0
14	M.E - THERMAL ENGINEERING(WITH SPECIALIZATION IN REFRIGERATION AND AIR CONDITIONING) - [F.T]	21	0	19	2	16	1

**DEPT :** 23 MEDIA SCIENCES

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Sc - ELECTRONIC MEDIA(2 YEARS) - [F.T]	25	0	20	4	16	0
2	M.Sc - SCIENCE AND TECHNOLOGY COMMUNICATION - [F.T]	0	1	1	0	0	1
3	M.Sc 5YR - ELECTRONIC MEDIA(5 YRS INTEGRATED) - [F.T]	34	0	34	10	24	0

**DEPT :** 24 MINING ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - MINING ENGINEERING - [F.T]	24	2	22	0	20	2

**DEPT :** 25 PRINTING TECHNOLOGY



**CAMPUS :** 1 COLLEGE OF ENGINEERING

**DEPT :** 25 PRINTING TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - PRINTING TECHNOLOGY - [F.T]	37	4	30	9	21	0
2	B.E - PRINTING TECHNOLOGY - [P.T]	38	66	6	0	3	3
3	M.E - PRINTING AND PACKAGING TECHNOLOGY - [F.T]	20	2	22	1	18	3

**DEPT :** 26 PHYSICS

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Phil - PHYSICS - [F.T]	10	2	10	7	3	0
2	M.Sc - MATERIALS SCIENCE - [F.T]	24	3	25	2	20	3
3	M.Tech - LASER AND ELECTRO OPTICAL ENGINEERING - [F.T]	21	0	21	6	15	0

**DEPT :** 28 INFORMATION SCIENCE AND TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Tech - INFORMATION TECHNOLOGY - [F.T]	125	11	108	27	78	3
2	B.Tech - INFORMATION TECHNOLOGY - [P.T]	20	64	4	0	2	2
3	M.C.A - MASTER OF COMPUTER APPLICATIONS (REGULAR) - [F.T]	56	3	56	9	46	1
4	M.C.A - MASTER OF COMPUTER APPLICATIONS (SS) - [F.T]	55	5	49	4	45	0
5	M.E - MULTIMEDIA TECHNOLOGY - [F.T]	23	0	21	6	14	1
6	M.Tech - INFORMATION TECHNOLOGY - [F.T]	23	0	23	8	15	0

**DEPT :** 30 MEDICAL PHYSICS

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Phil - MEDICAL PHYSICS - [F.T]	5	0	5	2	3	0



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DEPT : 30 MEDICAL PHYSICS

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
2	M.Sc - MEDICAL PHYSICS - [F.T]	19	1	17	6	10	1

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**CAMPUS :** 2 AC COLLEGE OF TECHNOLOGY**DEPT :** 41 CENTRE FOR BIO-TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Tech - FOOD TECHNOLOGY - [F.T]	17	0	14	6	8	0
2	B.Tech - INDUSTRIAL BIO TECHNOLOGY - [F.T]	50	5	50	21	28	1
3	B.Tech - PHARMACEUTICAL TECHNOLOGY - [F.T]	14	1	14	7	7	0
4	M.Sc - COMPUTATIONAL BIOLOGY - [F.T]	3	0	3	3	0	0
5	M.Tech - BIO PHARMACEUTICAL TECHNOLOGY - [F.T]	24	0	22	8	14	0
6	M.Tech - BIO TECHNOLOGY - [F.T]	22	0	22	17	5	0
7	M.Tech - FOOD TECHNOLOGY - [F.T]	15	0	15	13	2	0
8	M.Tech - NANOSCIENCE AND TECHNOLOGY - [F.T]	20	0	20	14	6	0

**DEPT :** 42 CHEMICAL ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Tech - CHEMICAL ENGINEERING - [F.T]	74	3	66	27	38	1
2	B.Tech - CHEMICAL ENGINEERING - [P.T]	25	37	10	0	7	3
3	B.Tech - PETROLEUM REFINING AND PETRO CHEMICALS - [F.T]	37	2	30	12	18	0
4	M.Tech - CHEMICAL ENGINEERING - [F.T]	21	0	21	7	14	0
5	M.Tech - ENVIRONMENTAL SCIENCE AND TECHNOLOGY - [F.T]	21	1	21	3	18	0
6	M.Tech - PETROLEUM REFINING AND PETRO CHEMICALS - [F.T]	17	0	17	7	10	0

**DEPT :** 43 CERAMIC TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Tech - CERAMIC TECHNOLOGY - [F.T]	24	4	23	4	17	2





**CAMPUS :** 2 AC COLLEGE OF TECHNOLOGY

**DEPT :** 43 CERAMIC TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
2	M.Tech - CERAMIC TECHNOLOGY - [F.T]	15	0	12	1	9	2

**DEPT :** 44 LEATHER TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Tech - LEATHER TECHNOLOGY - [F.T]	43	14	36	7	27	2
2	B.Tech - LEATHER TECHNOLOGY - [P.T]	14	4	5	0	4	1
3	M.Tech - FOOTWEAR SCIENCE & ENGINEERING - [F.T]	5	1	5	2	3	0
4	M.Tech - LEATHER TECHNOLOGY - [F.T]	11	0	6	1	5	0

**DEPT :** 45 TEXTILE TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Tech - APPAREL TECHNOLOGY - [F.T]	26	1	20	5	15	0
2	B.Tech - TEXTILE TECHNOLOGY - [F.T]	35	5	29	6	19	4
3	M.Tech - TEXTILE TECHNOLOGY - [F.T]	8	2	7	1	6	0

**DEPT :** 48 APPLIED SCIENCE AND TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Tech - INDUSTRIAL SAFETY AND HAZARDS MANAGEMENT - [F.T]	18	0	18	10	8	0



**CAMPUS :** 3 MADRAS INSTITUTE OF TECHNOLOGY

**DEPT :** 61 AEROSPACE ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - AERONAUTICAL ENGINEERING - [F.T]	41	12	36	7	28	1
2	B.E - MECHANICAL ENGINEERING - [P.T]	49	44	36	1	27	8
3	M.E - AERONAUTICAL ENGINEERING - [F.T]	25	3	24	1	22	1
4	M.E - AERONAUTICAL ENGINEERING - [P.T]	6	3	6	0	6	0
5	M.E - AEROSPACE TECHNOLOGY - [F.T]	18	3	15	2	13	0
6	M.E - AVIONICS - [F.T]	23	0	23	13	10	0

**DEPT :** 62 AUTOMOBILE ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - AUTOMOBILE ENGINEERING - [F.T]	59	2	51	11	40	0
2	B.E - AUTOMOBILE ENGINEERING - [P.T]	47	54	29	1	23	5
3	M.E - AUTOMOBILE ENGINEERING - [F.T]	23	0	22	10	12	0
4	M.E - AUTOMOBILE ENGINEERING - [P.T]	19	2	17	6	10	1

**DEPT :** 63 INSTRUMENTATION ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - ELECTRONICS AND INSTRUMENTATION ENGINEERING - [F.T]	127	3	115	40	73	2
2	B.E - ELECTRONICS AND INSTRUMENTATION ENGINEERING - [P.T]	50	41	34	0	22	12
3	M.E - INSTRUMENTATION ENGINEERING - [F.T]	23	0	23	6	15	2

**DEPT :** 64 INFORMATION TECHNOLOGY

**CAMPUS :** 3 MADRAS INSTITUTE OF TECHNOLOGY**DEPT :** 64 INFORMATION TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Tech - INFORMATION TECHNOLOGY - [F.T]	106	4	104	33	70	1
2	M.Tech - INFORMATION TECHNOLOGY - [F.T]	20	0	18	4	14	0
3	M.Tech - INFORMATION TECHNOLOGY - [P.T]	23	1	21	3	17	1

**DEPT :** 65 PRODUCTION TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - PRODUCTION ENGINEERING - [F.T]	61	5	57	17	39	1
2	B.E - PRODUCTION ENGINEERING - [P.T]	50	35	25	0	21	4
3	M.E - MANUFACTURING ENGINEERING - [F.T]	23	0	23	8	15	0
4	M.E - MANUFACTURING ENGINEERING - [P.T]	20	0	20	10	10	0
5	M.E - MECHATRONICS - [F.T]	25	1	25	10	15	0

**DEPT :** 66 RUBBER AND PLASTICS TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Tech - RUBBER & PLASTICS TECHNOLOGY - [F.T]	27	2	26	3	19	4
2	M.Tech - RUBBER TECHNOLOGY - [F.T]	15	0	15	1	14	0

**DEPT :** 67 ELECTRONICS ENGINEERING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - ELECTRONICS AND COMMUNICATION ENGINEERING - [F.T]	197	17	182	49	121	12
2	B.E - ELECTRONICS AND COMMUNICATION ENGINEERING - [P.T]	50	42	24	0	15	9
3	M.E - COMMUNICATION AND NETWORKING ENGINEERING - [F.T]	20	0	20	7	13	0



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DEPT : 68 COMPUTER TECHNOLOGY

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.E - COMPUTER SCIENCE AND ENGINEERING - [F.T]	137	13	129	31	92	6
2	B.E - COMPUTER SCIENCE AND ENGINEERING - [P.T]	24	45	17	0	10	7
3	M.E - COMPUTER SCIENCE AND ENGINEERING - [F.T]	20	1	21	4	17	0
4	M.E - COMPUTER SCIENCE AND ENGINEERING - [P.T]	21	0	17	1	16	0

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D.C.O.E

A.C.O.E



**CAMPUS :** 4 SCHOOL OF ARCHITECTURE AND PLANNING

**DEPT :** 81 ARCHITECTURE

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	B.Arch - ARCHITECTURE - [F.T]	91	5	75	1	71	3
2	M.Arch - LANDSCAPE ARCHITECTURE - [F.T]	7	0	5	0	5	0
3	M.Arch - M.ARCH - [F.T]	11	0	8	1	7	0

**DEPT :** 82 PLANNING

S.NO	BRANCH NAME	REG.	ARR.	PASS	FWD	FC	SC
1	M.Plan - M.PLAN - [F.T]	17	0	15	0	14	1

## Annexure II

### Details of Sports activities pertaining to Points 5.9.1 and 5.9.2 of AQAR 2014-15 Part B.

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

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



### ANNA UNIVERSITY SPORTS BOARD, CHENNAI-25

#### ZONAL ACHIEVEMENTS -2014-15

S.No	Name of the Game	Results	Venue
1	Ball Badminton	Winner	Saveetha Engineering College
2	Tennis	Winner	C.E.G.
3	Chess(M&W)	Winner	Alpha Engineering College
4	Foot Ball	Winner	Rajiv Gandhi Institute of Engineering and Technology
5	Hockey	Winner	Saveetha Engineering College
6	Hand Ball	Winner	Apollo College of Engineering
7	Kabaddi	Runner	P.B. College of Engineering
8	Kho-Kho	Runner	C.E.G.
9	Basket Ball	Runner	C.E.G.

#### INTER ZONAL ACHIEVEMENTS -2014-15

S.No	Name of the Game	Results	Venue
1	Chess(M&W)	First Place	Sri Krishna College of Engineering, Coimbatore
2	Tennis	Third Place	Bannari Amman Institute of Technology, Satyamangalam.

#### SOUTH ZONE AND ALL INDIA INTER UNIVERSITY TOURNAMENTS 2014-15

S.No	Name	Year / Branch	Game	Date	Venue	Result
Men						
1.	RA .Gowtham	III - Civil	Basketball (M)	03.01.2015 to 09.01.2015	Sathyabama University, Chennai	Quarter Finals
2.	G. Akash	I – ECE	Chess (M&W)	14.10.2014 to 19.10.2014	VIT University, Vellore	III Place
3.	R. Divakaran	III -	Handball (M)	29.09.2014	Periyar	II Place

		Manufacturing		to 03.10.2014	University, Salem	
4.	V. Parimalaraman	IV – IT	Handball (M)	29.09.2014 to 03.10.2014	Periyar University, Salem	II Place
5.	K. Aravinthan	IV - Civil	Hockey(M)	21.01.2015 to 27.01.2015	Anna University, Chennai	IV Place
6.	R. Harees	II - Manufacturing	Kho - Kho (M)	26.12.2014 to 30.12.2014	Anna University, Chennai	II Place
Men						
7	C. Manikandan	III - Mining	Ball Badminton (M)	20.12.2014 to 24.12.2014	SRM University, Chennai	II Place
8	P .Annamalai	II – Mech.	Pistol Shooting (M&W)	02.01.2015 to 06.01.2015	Punjabi University, Patiala.	Nil
9	Chirag Surana	II – Mech.	Squash Racket (M)	16.02.2015 to 17.02.2015	Anna University, Chennai	Nil
10	Rufus Nathanael Patrick	III – Mech.	Yachting(M)	09.01.2015 to 11.01.2015	Panjabi University, Patiala	Nil

## INDIVIDUAL PARTICIPATION AND ACHIEVEMENTS

### R. Ganesh I/B.Tech (IT)

Participated in the Asian Beach SepakTakraw held at Phuket, Thailand during 14<sup>th</sup> to 23<sup>rd</sup> November 2014 and secured Bronze Medal.

Participated in the 25<sup>th</sup> Senior National SepakTakraw championship held at 30<sup>th</sup> October to 2<sup>nd</sup> November 2014 at Bareilly, Uttar Pradesh and secured FOURTH place in the Team event.

And also Participated in the PSG.Tech. Trophy-2015,Coimbatore, during 6<sup>th</sup> to 8<sup>th</sup> February and Secure FIRST Place in Singles Event.

### Ajithbabu I/BE (Mechanical)

Participated in the 25<sup>th</sup> Senior National SepakTakraw championship held at 30<sup>th</sup> October to 2<sup>nd</sup> November 2014 at Bareilly, Uttar Pradesh and secured FOURTH place in the Team event.

### Mohammed ganibasha I/BE (Civil)

Participated in the Sports Development of Authority of Tamilnadu District Sports meet for Differently Abled person on 30<sup>th</sup> Oct 2014 at St. Louis college for deaf and dumb, Adiyar and secured FRIST place in Long jump and SECOND place in 100 meters.

College of Engineering ,Guindy has received Zonal Champion award from The Honorable Higher Education Minister for the year 2014-15.

#### AC TECH ZONAL RESULTS 2015-2016

S.No	Game And Summary	Result	Venue	Date	Place
1	<b>Basket Ball (W)</b> 1. Ac Tech Vs Ssn	Lost	SSN	13/08/2015	1 <sup>st</sup> Round
2	<b>Badminton (M)</b> 1. Ac Tech Vs Thangavelu Engg. College 2. Ac Tech Vs Srr	Won Lost	Ssn	17/08/2015	Quarter Finals
3	<b>Chess (M/W)</b> 1. Ac Tech Vs Mnm Jain 2. Ac Tech Vs Jeppiaar 3. Ac Tech Vs Smk Forma 4. Ac Tech Vs Srr 5. Ac Tech Vs Easwari	Won Lost Drawn Won Lost	SRR	20/08/2015	5 Points
4	<b>Volley Ball (M)</b> 1. Ac Tech Vs Smk Forma 2. Ac Tech Vs Mohamed SathakAj	Won Lost	Mohamed Sathak AJ	24/08/2015	Quarter Finals
5	<b>Ball Badminton (M)</b> 1. Ac Tech Vs Srr 2. Ac Tech Vs Mohamed SathakAj	Won Lost	Thangavelu	08/09/2015	Quarter Finals
6	<b>Foot Ball (M)</b> 1. Ac Tech Vs Mnm Jain 2. Ac Tech Vs St. Joseph	Won Lost	Jeppiaar	14/09/2015	Quarter Finals
7	<b>Cricket (M)</b> 1. Ac Tech Vs St. Joseph	Lost	Loyola	21/09/2015	1 <sup>st</sup> Round
8	<b>Hand Ball (M)</b> 1. Ac Tech Vs Mnm Jain 2. Ac Tech Vs Kc Tech 3. Ac Tech Vs Dhanalakshmi	Won Lost Won	Agni	28/09/2015	Third
9	<b>Ball Badminton (W)</b> 1. Ac Tech Vs St. Joseph	Lost	Agni	30/09/2015	Third
10	<b>Kho-Kho (M)</b> 1. Ac Tech Vs Cipet 2. Ac Tech Vs Agni 3. Ac Tech Vs Dhanalakshmi	Won Won Won	Dhanalakshmi	01/10/2015	First
11	<b>Athletics (M/W)</b>	<b>Events</b>	Anna	27/10/2015	



	1. Jaya Sengani	400 M 800 M	1 <sup>st</sup> 3 <sup>rd</sup> 3 <sup>rd</sup> 3 <sup>rd</sup>	University		
	2. Kanimozhi	800 M 1500 M				
	3. Agalya	200 M 400 M				
12	<b>Volley Ball (W)</b> 1. Ac Tech Vs Jeppiar 2. Ac Tech Vs Meenakshi		Lost Lost	Easwari	28/10/2015	Semi Finals
13	<b>Hockey (M)</b> 1. Ac Tech Vs Anand Institute 2. Ac Tech Vs St.Joseph		Won Lost	YMCA	18/11/2015	Second
14	<b>Kho Kho (W)</b> 1. Ac Tech Vs IdhayaEngg.College		Lost	Mailam	28/11/2015	1 <sup>st</sup> round

### ANNUAL AWARD FUNCTION 2014-15 - CASH AWARD RECIPIENTS

Venue : Jain University, Bangalore, <b>Aquatics (M&amp; W) - All India</b>							Date : 26- 30, Oct. 2014
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount
1.	K. Abbasuddin	I - B.E	Mech	Loyola – ICAM College on Engineering & Tech., Chennai	100m - Back Stroke	Silver Medal	6,000.00
					200 Mts. Back Stroke	Silver Medal	6,000.00
					1500 M Free Style	Bronze Medal	5000.00
2.	S. Shreyas	IV - B.E	Mech	R.M.K. Engineering College, Kavaraipettai	50 Mts. Back Stroke	Silver Medal	6,000.00
3.	<b>Manager</b> : Mr. M.G. Saravanan, VF- PD, University College of Engineering, Arani						1,000.00
4.	<b>Coach</b> : Mr. Durai, SDAT, Chennai						1,000.00

### ALL INDIA ACHIEVEMENTS

Venue : Panjabi University, Jalandar, <b>Pistol Shooting (M&amp;W) - All India</b> , Date : 02-06, Jan. 2015							
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount
5.	N. Nivetha	I - B.E	CSE	Kongu Engineering College. Erode	Double Trap	Gold Medal	8,000.00
6.	<b>Manager</b> : Dr. K. Sundar, VF-PD, University College of Engineering – Coimbatore Regional Office						1,500.00

Venue : Panjabi University, Jalandar <b>Best Physique (M)- All India</b> , Date : 06- 09, Jan. 2015							
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount
7.	S. Mohan	I - M.E	CSE	Thangavelu Engineering College, Namakkal	78 Kg	Silver Medal	6,000.00
8.	<b>Manager</b> : Dr. M. Vijayaragavan, VP - PD, College of Engineering, Guindy , Chennai						1,000.00
9.	<b>Coach</b> : Mr. Kavidass, DPE, Dhirajlal Gandhi College of Technology, Salem						1,000.00

Venue : Punjabi University, Patiala <b>Yachting (M)- All India</b> Date : 09- 11, Jan. 2015							
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount
10.	Rufus Nathanael Patrick	III - B.E	Mechanical	College of Engineering Guindy, Chennai		Silver Medal	6,000.00
11.	Praveen Prabhakar	III - B.Tech	Chemical	Alagappa College of Technology, Chennai			6,000.00
12.	Gerad Ambrose	IV - B.E	Production	Madras Institute of Technology, Chennai			6,000.00
13.	<b>Manager</b> : Dr. P. Natarajan, VF - PD, University College of Engineering, Kancheepuram						1,000.00

Venue : Rajiv Gandhi Univ of Health Sciences, Bangalore, <b>Athletics (M&amp;W)-All India</b> , 16 <sup>20</sup> , Jan 2015							
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount
14	V. Krishna Prasath	I - MBA	MBA	Loyola Institute of Technology & Science, Thoivalai	Pole Vault	Gold Medal	8,000.00
15.	G. Tamilvannan	I - MBA	MBA	Surya Engineering College, Erode	100 Mts	Silver Medal	6,000.00
					4*100 Mts Relay	Silver Medal	6,000.00
16.	B. Sivakumar	III - B.E	Mech	Sona College of Technology, Salem	4*100 Mts Relay	Silver Medal	6,000.00
17.	D. Rengaraj	I - MBA	MBA	Surya Engineering College, Erode	4*100 Mts Relay	Silver Medal	6,000.00
18.	V. Pavan	I - M.E	A.E	Loyola Institute of Technology & Science, Thoivalai	4*100 Mts Relay	Silver Medal	6,000.00

19.	S. Archana	III – B.E	Civil	College of Engineering, Guindy, Chennai	100 Mts	Silver Medal	6,000.00
					200 Mts	Bronze Medal	5,000.00
20.	<b>Manager</b> :Dr.I.Iyappan, VF-PD, University College of Engineering, Kancheepuram						1,500.00
21.	<b>Coach</b> : Mr. M. Riyaz, Chennai Port Trust						1,500.00
22.	<b>Manager</b> :Ms. N. Balasundari, Tamilnadu College of Engineering, Coimbatore						1,000.00
23.	<b>Coach</b> : Ms. N. Gowmathi, KPR Institute of Engg& Tech, Coimbatore						1,000.00

Venue : Punjabi University, Patiala <b>Fencing (M &amp; W)- All India</b> Date : 30 Jan. – 02 Feb. 2015							
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount
24.	M.S. Vijeaya Venkatathri	III – B.E	ECE	Velammal Engineering College, Chennai	Individual Sabre	Silver Medal	6,000.00
					Sabre Team		6,000.00
25.	C. Cibir Salbin	IV – B.E	Civil	Marthandam College of Engineering & Technology, Kanyakumari	Sabre Team		6,000.00
26.	B. Vinod Chowdry	IV – B.E	Civil	Indira Institute of Engineering & Technology, Pandur			6,000.00
27.	C. Deena Dayalan	II – B.E	Mech	Institute of Road and Transport Technology, Erode			6,000.00
28.	Khare Neha Hari	I – MBA	MBA	PSN College of Engineering & Technology, Tirunelveli	Individual Sabre	Silver Medal	6,000.00
					Sabre Team		6,000.00
29.	K. Carolin Sandhiya	IV – B.E	ECE	Velammal Institute of Technology, Chennai	Sabre Team	Silver Medal	6,000.00
30.	S. Rooba Kiruthiga	III – B.E	Fashion	Sona College of Technology, Salem	Sabre Team	Silver Medal	6,000.00
31.	S. Sanghavi	II – B.E	CSE	Selvam College of Technology, Namakkal	Sabre Team	Silver Medal	6,000.00
32.	Stefitha Chalil	I – MBA	MBA	PSN College of Engineering &	Individual EEPE	Silver Medal	6,000.00

				Technology, Tirunelveli	EEPE Team	Silver Medal	6,000.00	
33.	P. K. Ashwathi Raj	I- MBA	MBA		EEPE Team	Silver Medal	6,000.00	
34.	M. Sushma	IV – B.E	CSE	Selvam College of Technology, Namakkal	EEPE Team	Silver Medal	6,000.00	
35.	S. Sanghavi	II – B.E	CSE		EEPE Team	Silver Medal	6,000.00	
36.	Awati Radhika Prakash	I- MBA	MBA	PSN College of Engineering & Technology, Tirunelveli	Foil Team	Bronze Team	5,000.00	
37.	<b>Manager</b>	:	Dr. P. Natarajan, DPE, University College of Engineering, Kar					1,000.
38.	<b>Coach</b>	:	Dr. M. Vijayaragavan, VF-PD, CEG Campus, Guindy, Chennai					1,000.00

Venue : Anna University, Chennai <b>Taekwondo(M) - All India</b> Date : 13- 15, Mar. 2015								
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount	
39.	A. Nandakumar	II – B.E	ECE	Madras Institute of Technology, Chromepet	+80 Kgs	Bronze Medal	5,000.00	
40.	<b>Manager</b>	:	Dr. S. Sundararajan, DDPE, AUSB					750.00
41.	<b>Coach</b>	:	Mr. M. Dinakaraprasad, DPE, Prathyusha Institute of Technology & Management, Tiruvallur					750.00

Venue : Anna University, Chennai <b>Taekwondo(W) - All India</b> Date : 16-17, Mar. 2015								
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount	
42.	M. Sisina	I – B.E	CSE	Madras Institute of Technology, Chromepet	+53 Kgs	Silver Medal	6,000.00	
43.	T. Kaleeswari	II – B.E	CSE	Ramco Institute of Technology, Rajapalayam	+57 Kgs	Silver Medal	6,000.00	
44.	S. Priyanka	I – B.E	Civil	Coimbatore Institute of Engineering &Technology,Coimbatore	+67 Kgs	Bronze Medal	5,000.00	
45.	<b>Manager</b>	:	Dr. S. Revathi, VF-PD, University College of Engineering - BIT Campus, Trichy					1,000.00
46.	<b>Coach</b>	:	Mr. K. Pachaiappan, DPE, Prathyusha Institute of Technology & Management, Tiruvallur					1,000.00

Venue : Guru Nanak Dev University, Amirtsar <b>Rowing (W)- All India</b> Date : 26- 28, Mar. 2015							
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount
49.	J. Kavya Elizabeth	III – B.E	EEE	Loyola - ICAM College of Engineering & Technology, Chennai	Double Scull	Gold Medal	8,000.00
					Coxless Fours	Gold Medal	8,000.00
50.	K. Dhitika Chowdary	I – B. Arch	B. Arch	Measi Academy of Architecture, Chennai	Double Scull	Gold Medal	8,000.00
					Coxless Fours	Gold Medal	8,000.00
51.	P. Sankavi	III - B. Arch	B. Arch	School of Architecture & Planning, Chennai	Coxless Fours	Gold Medal	8,000.00
52.	Aditi Subramanian	I – B. Arch	B. Arch			Gold Medal	8,000.00
53.	<b>Manager</b> : Mr. M. Vijayaragavan, VF - PD, CEG Campus, Guindy, Chennai						1,500.00

Venue : Lovely Professional University, Jalandhar, <b>Boxing (W) - All India</b> Date : 19-23, Feb2015								
S. No	Name of the Student	Year	Branch	Name of the College	Event	Place	Amount	
47.	S. Priyanka	II – B.E	CSE	Paavai Engineering College, Namakkal	+ 75Kgs	Silver Medal	6,000.00	
48.	<b>Manager:</b> Dr. K. Sundar, VF-PD, University College of Engineering – Coimbatore Regional Office							1,000.00

Venue : SRM University, Chennai <b>Table Tennis (W) – All India</b> Date : 30 Sep- 03. Oct. 2014							
S. No	Name of the Student	Year	Branch	Name of the College	Place	Amount	
54.	V. Sneha	IV B.E	ECE	St. Joseph's College of Engineering, Chennai	Third	5,000.00	
55.	S. Narasimhapriya	III B.E	Bio-Tech			5,000.00	
56.	S. Shanmathi	I B.E	CSE			5,000.00	
57.	Sharanya Srikanth	I B.E	CSE	SSN College of Engineering, Chennai		5,000.00	
58.	P.D. Subhadhra	IV B.E	EEE	SSN College of Engineering, Chennai		5,000.00	
59	<b>Manager</b> : Mr. S.I. Aslam, DPE, C. Abdul Hakeem College of Engg., &Tech., Melvisharam						750.00

Venue : SRM University, Chennai <b>Ball Badminton (M) – All India</b>					Date : 20 – 24 Dec. 2014	
S. No	Name of the Student	Year	Branch	Name of the College	Event	Amount
60.	D. R. Pradheep	II - M.E	C & I	St. Joseph College of Engineering, Chennai	Second Place	6,000.00
61.	R. Venkatesh	IV - B.E	ECE	J.J College of Engineering & Technology, Trichy		6,000.00
62.	S. Mohammad Aship Sharif	IV - B. Tech	Bio Tech	St. Joseph College of Engineering, Chennai		6,000.00
63.	P. Srinivasan	I - B.E	EIE	Valliammai Engineering College, Chennai		6,000.00
64.	C. Manikandan	III - B.E	Mining	College of Engineering, Guindy		6,000.00
65.	R. Vasudevan	II - B.E	EIE	Valliammai Engineering College, Chennai		6,000.00
66.	S. Karthik	I - B.E	EIE			6,000.00
67.	B. Soma SekherBabu	IV - B.E	ICE	St. Joseph College of Engineering, Chennai		6,000.00
68.	R. Varadharajan	I - B.E	CSE	PSNA College of Engineering & Technology, Dindigul		6,000.00
69.	G. Suresh	IV - B.E	ECE	J.J College of Engineering & Technology, Trichy		6,000.00
70.	<b>Manager</b> : Dr. K. Jeyaraja, DPE, J.J College of Engineering & Technology, Trichy					1,000.00
71.	<b>Coach</b> : Dr. M.C. Gangadaran, DPE, ValliammaiEngineeringCollege, Potheri					1,000.00

Venue : Anna University, Chennai <b>Squash Racket (W) – All India</b>					Date : 18 – 19 Feb. 2015	
S. No	Name of the Student	Year	Branch	Name of the College	Event	Amount
72.	R. Lakshya	II - B.Arch	B. Arch	School of Architecture & Planning, Chennai	First Place	8,000.00
73.	P. LikhittaDugar	II - B. E	ECE	SSN College of Engineering, Chennai		8,000.00
74.	P. ShrutiDugar	V - B.Arch	B. Arch	MEASI Academy of Architecture, Chennai		8,000.00
75.	T. Maria Patricia Peeris	III - B. E	CSE	Velammal Engineering College, Chennai		8,000.00
76.	P.D.Subhadhra	IV - B. E	EEE	SSN College of Engineering, Chennai		8,000.00
77.	Manisha V Bachpai	II - B. E	EEE			8,000.00
78.	<b>Manager</b>	: Dr. V. Elavarasi, VF-PD, CEG Campus, Guindy, Chennai				1,500.00
79.	<b>Coach</b>	: Dr. S. Revathi, VF – PD, University College of Engineering, Pattukottai				1,500.00

### SOUTH ZONE ACHIEVEMENTS

Venue : Periyar University, Salem					Date : 29 Sep. – 03 Oct. 2014	
<b>Hand Ball (M)</b>						
S. No	Name of the Student	Year	Branch	Name of the College	Event	Amount
80	S.K. SethuViknesh	III – B.E	CSE	Excel Engineering College, Komarapalayam	Second Place	3,000.00
81	V. Saravanan	I – B.Tech	IT	PSNA College of Engineering & Technology, Dindigul		3,000.00
82	K. Athiyaman	I – B.Tech	IT	Paavai Engineering College, Namakkal		3,000.00
83	K. Rajasekar	II – B.E	CSE	PSNA College of Engineering & Technology, Dindigul		3,000.00
84	K. PanthalaRajakumaran	IV – B.E	Mech	Kumaraguru College of Technology, Coimbatore		3,000.00
85	R.Divakaran	III – B.E	Manu.	College of Engineering, Guindy, Chennai		3,000.00
86	K.Karthidas	IV – B.E	ECE	PSNA College of Engineering & Technology, Dindigul		3,000.00
87	A. Balumahendran	II – B.E	Civil	Surya Engineering College, Erode		3,000.00
88	V. Parimalaraman	IV – B.Tech	IT	College of Engineering, Guindy, Chennai		3,000.00
89	E. Karthick	IV – B.E	Mech	AU – BIT Campus, Tiruchirappalli	3,000.00	

90	M. Arunkumar	I – B.Tech	IT	PSNA College of Engineering & Technology, Dindigul		3,000.00
91	K. Raja	IV – B.E	Civil	CARE Group of institutions, Trichy		3,000.00
92	L. Anbarasan	IV – B.E	EEE	SVS College of Engineering, Coimbatore		3,000.00
93	M. Prabhakaran	I – MBA	MBA	Paavai Engineering College, Namakkal		3,000.00
94	<b>Manager</b> : Dr. V. Albert Premkumar, DPE, Kumaraguru College of Technology, Cbe					750.00
95	<b>Coach</b> : Mr. P. Selvakumar, DPE, Chettinad College of Engg., & Tech., Karur					750.00

Venue : SRM University, Kattankulathur			<b>Table Tennis (M)</b>		Date : 30 Sep. – 03. Oct. 2014	
S. No	Name	Class	Course	College	Position	Amount
96	D.V. Sameera Kumar	III B.E	Mech	SSN College of Engineering, Chennai	Second Place	3,000.00
97	R. Gangadhar	III B.E	Mech	PSG College of Technology		3,000.00
98	Shashaank S Yogesh	II B.E	Mech	SSN College of Engineering, Chennai		3,000.00
99	S. Dhakshin Raj	I B.Tech	IT	St. Joseph's College of Engineering, Chennai		3,000.00
100	R. Athityan	I B.E	Civil			3,000.00
101	<b>Manager</b> : Mr. S.I. Aslam, DPE, C. Abdul Hakeem College of Engg., & Tech., Melvisharam					750.00

Venue : VIT University, Vellore 2014			<b>Chess (M &amp; W)</b>		Date : 14 – 19 Oct.	
S. No	Name	Class	Course	College	Position	Amount
102	D.S. Shashaank	III – B.E	CSE	SSN College of Engineering, Chennai	Second Place	3,000.00
103	G. Jaswant	III – B.E	Civil	SSN College of Engineering, Chennai		3,000.00
104	P. Ramalingam Karthik	III – B.E	ECE	SSN College of Engineering, Chennai		3,000.00
105	P. Uma Maheshwaran	III – B. Tech	IT	PSNA College of Engineering & Technology, Dindigul		3,000.00
106	G. Akash	I –	ECE	College of Engineering,		3,000.00



		B.E		Guindy, Chennai	
107	R. M. Subramanian	II – B.E	CSE	PSNA College of Engineering & Technology, Dindigul	3,000.00
108	<b>Manager</b> : Kanchipuram	Dr. P. Natarajan, VF-PD, University College of Engineering,			750.00
109	<b>Coach</b> :	Mr. K. Thirukkalathy, International Arbitrator, Chennai			750.00

Venue : Anna University, Chennai <b>Kho – Kho (W)</b> Date : 18 – 21 Oct. 2014						
S. No	Name	Class	Course	College	Position	Amount
110	S. Mosina	I B.E	E&I	Adhiyamaan College of Engineering, Hosur	Second Place	3,000.00
111	M. Sathya	I B.E	BME	Adhiyamaan College of Engineering, Hosur		3,000.00
112	S. Sowndarya	II B.Tech	IT	Adhiyamaan College of Engineering, Hosur		3,000.00
113	A. Mayavathi	I B.E	EIE	Adhiyamaan College of Engineering, Hosur		3,000.00
114	A. Kanagavalli	II B.Tech	IT	Adhiyamaan College of Engineering, Hosur		3,000.00
115	R. Jamuna	I B.E	EIE	Adhiyamaan College of Engineering, Hosur		3,000.00
116	V. Backyalakshmi	IV B.E	ECE	University College of Engineering, Pattukottai		3,000.00
117	A. Asaivelli	II B.E	ECE	University College of Engineering, BIT Campus, Trichy		3,000.00
118	S. Usha	IV B.E	EEE	University College of Engineering, BIT Campus, Trichy		3,000.00
119	S. Vidhya	II B.E	CSE	Paavai Engineering College, Namakkal		3,000.00
120	J. Hemalatha	II B.Tech	IT	Paavai Engineering College, Namakkal		3,000.00
121	S. Nandhini	I B.E	Civil	Erode Builders Education Trust's Group of Institution, Kangayam	3,000.00	
122	<b>Manager</b> :	Dr. D. RejilinKiruba, VF - PD, University College of Engineering, Thoothukudi			750.00	
123	<b>Coach</b> :	Ms. C. Ponlaskhmi Devi, DPE, PSN Institute of Technology & Science, Tirunelveli			750.00	

Venue : Anna University, Chennai <b>Kho – Kho (M)</b> Date : 26 – 30 Dec. 2014						
S. No	Name	Class	Course	College	Position	Amount
124	R. Sakthi	II MCA	MCA	King College of Technology, Namakkal		3,000.00

125	C. Muthu Anand	I MBA	MBA	King College of Technology, Namakkal	Second Place	3,000.00
126	T. Dhazhaichelvan	II B.E	Mech	King College of Technology, Namakkal		3,000.00
127	M. Vijayaraja	II B.E	Mech	University College of Engineering, Thirukkuvalai		3,000.00
128	M. K. Siva Elango	IV B.Tech	Textile	A.C. College of Technology, Chennai		3,000.00
129	S. Saran Kumar	II B.E	Civil	Karpagam College of Engineering, Coimbatore		3,000.00
130	K. Lingeswaran	III B.E	Mech	K.S. Rangasamy College of Technology, Tiruchengode		3,000.00
131	P. Rajadurai	I M.E	Industrial Safety	K.S. Rangasamy College of Technology, Tiruchengode		3,000.00
132	R. Harees	II B.E	Manu.	College of Engineering, Guindy		3,000.00
133	M. Sanjay	IV B.E	Mech	Pavai College of Technology, Namakkal		3,000.00
134	S. Kattiraja	IV B.E	Civil	Sengunthar Engineering College, Tiruchengodu		3,000.00
135	<b>Manager</b> : Mr. M. Ramesh, DPE, Cheran College of Engineering, Karur					750.00
136	<b>Coach</b> : Mr. A. Srinivasan, DPE, Surya College Engineering & Technology, Villupuram					750.00

Venue : Saveetha University, Chennai 2015		Tennis (W)			Date : 05 – 08 Jan.	
S. No	Name	Class	Course	College	Position	Amount
137	S .Lavanya	II - B.E	CSE	Loyola - ICAM College of Engg& Tech., Chennai.	Third Place	2,500.00
138	M .Prithika Rani	I - B.E	EEE	SSN College of Engineering, Chennai.		2,500.00
139	P .Shobika	I - B.E	Civil	A.C. College of Engg& Tech., Karikudi.		2,500.00
140	V .ShruthiNarayani	III - B.Tech	IT	Loyola - ICAM College of Engg& Tech., Chennai.		2,500.00
141	<b>Manager</b> :Dr. S. Sundararajan, Secretary & DDPE, Anna University Sports Board, Chennai					500.00
142	<b>Coach</b> : Ms. K. Chitra, PTI, Loyola ICAM College of Engineering & Technology, Chennai					500.00

Venue : SRM University, Kattankulatur		Tennis (M)			Date : 24 – 28 Jan. 2015	
S. No	Name	Class	Course	College	Position	Amount

143	S. Visvesh	III – B.Tech	Chemical	SSN College of Engineering, Chennai.	Third Place	2,500.00
144	Akhil Reuben Kanagaraj	I – B.E	Mech.	St. Joseph's College of Engineering, Chennai.		2,500.00
145	R. Harnish	III - B.E	Mech.	Sri Ramakrishna Engineering College, Coimbatore.		2,500.00
146	I. B. Akshay	II - B.E	Mech.	SSN College of Engineering, Chennai.		2,500.00
147	S. Srijith	I - B.E	CSE	St. Joseph's College of Engineering, Chennai.		2,500.00
148	<b>Manager</b> : Mr. S. Nithyanathan, DPE, Sri Ramakrishna Engineering College, Coimbatore					<b>500.00</b>
149	<b>Coach</b> : Mr. M. C. Gangadharan, DPE, Valliammai Engineering College, Potheri					<b>500.00</b>

#### ACHIEVEMENTS IN SOUTH ZONE INTER UNIVERSITY TOURNAMENTS 2014-15

S.No.	Game	Venue	Date	Position
1.	Hand ball (M)	Periyar University, Salem	29 Sep. - 03 Oct. 2014	Second
2.	Table Tennis (M & W)	SRM University, Chennai	30 Sep. - 03 Oct. 2014	Second
3.	Chess (M & W)	VIT University, Vellore	14 -19, Oct. 2014	Second
4.	Kho – Kho (W)	IndraGanesan College of Engineering, Trichy, Anna University, Chennai	18 - 21, Oct. 2014	Second
5.	Kho – Kho (M)	Mailam Engineering College, Mailam, Anna University, Chennai	26 - 30, Dec. 2014	Second
6.	Football (M)	University of Calicut , Calicut	13 - 22, Dec. 2014	Fourth
7.	Tennis (W)	Saveetha University, Chennai	05 - 08, Jan. 2015	Third
8.	Hockey (M)	National Engineering College, Kovilpatti , Anna University, Chennai	21- 27, Jan. 2015	Fourth
9.	Tennis (M)	SRM University, Chennai	24 - 28, Jan. 2015	Third

#### ACHIEVEMENTS IN ALL INDIA INTER UNIVERSITY TOURNAMENTS 2014-15

S.No	Game	Venue	Date	Position
1.	Table Tennis (W)	SRM University, Chennai	04 - 06, Oct. 2014	Third
2.	Aquatics (M & W)	Jain University, Bangalore	26- 30, Oct. 2014	3 Silver Medals 1 Bronze Medal
3.	Ball Badminton (M)	SRM University, Chennai	20 - 24, Dec. 2014	Second
4.	Ball Badminton (W)	B.S. Abdur Rahman University, Chennai	26 - 30, Dec. 2014	Fourth
5.	Air Pistol Shooting & .177, Air Rifle Peep Sight (MW) [Clay Pigeon Shooting Trap, Double Trap and Skeet] (MW)	Punjabi University, Patiala.	02 - 06, Jan. 2015	1 Gold Medal
6.	Best Physique (M)	Punjab Technical University, Jalandhar	06 - 09, Jan. 2015	1 Silver Medal
7.	Yachting (M)	Punjabi University, Patiala.	09 - 11, Jan. 2015	3 Silver Medals (Overall Second Place)
8.	Athletics (M & W)	Rajiv Gandhi University of Health Sciences, Bangalore	16 - 20, Jan. 2015	1 Gold Medal 6 Silver Medals 1 Bronze Medal
9.	Fencing (M)	Punjabi University, Patiala	30 Jan. - 02 Feb. 2015	5 Silver Medals (Overall Third Place)
10.	Fencing (W)			11 Silver Medals (Overall Second Place)
11.	Squash Rackets (W)	Parisutham Institute of Technology & Science , Thanjavur, Anna University, Chennai	18 - 19, Feb. 2015	First
12.	Boxing (W)	Lovely Professional University, Jalandhar	19- 23, Feb. 2015	1 Silver Medal (Third Place)
13.	Taekwondo (M)	Prathyusha Institute of Technology & Management, Tiruvallur, Anna University, Chennai	13- 15, Mar. 2015	1 Bronze Medal
14.	Taekwondo (W)		16 -17, Mar. 2015	2 Silver Medals 1 Bronze Medal
15.	Rowing (M & W)	Guru Nanak Dev University, Amritsar	26 - 28, Mar. 2015	6 Gold Medals (Overall First Place)

#### STATE/NATIONAL/INTERNATIONAL ACHIEVEMENTS 2014-15

S. No	Name	Department	Game	Achievement	Date
<b>JayarajAnnapackiam C.S.I College of Engineering, Nazareth</b>					
1.	S. Uma Bharathi	ECE	Javelin	III Place	
2.	J.ElcyObiliya	I.T	Discuss	I Place	
3.			Shotput		
4.	J. Ishwariya	CSE	Discuss	II Place	
<b>Vins Christian College of Engineering, Chunkankadai</b>					
5.	B.TerlinLinsha	ECE	Participated in state games for Hon'able Chief Minister's Trophy Madurai region level swimming competition	II Place	12 <sup>th</sup> Feb. 2015
			Participated in Hon'able Chief Minister Trophy Kanyakumari District unit swimming competition	I Place	30 <sup>th</sup> Dec. 2014
<b>Kongu Engineering College, Perundurai</b>					
6.	N.Nivetha	I – CSE	Participated in 58 <sup>th</sup> Shooting Championship	Silver Medal	14-28 Nov. 2014
			Participated in 35 <sup>th</sup> Natioanl Games Shooting Championship for clay Pigeon Trap Event	Gold Medal	02-05 Feb. 2015
			Participated in 35 <sup>th</sup> Natioanl Games Shooting Championship for clay Pigeon DoubleTrap Event	Bronze Medal	
<b>Velammal Engineering College, Chennai</b>					
7.	M.S. VijeayaVenkatathiri	III – ECE	Participated in National Games at Kerala	Gold Medal	
<b>Central Institute of Plastics Engineering &amp; Technology, Chennai</b>					
8.	S. Arun Kumar	I – B.Tech	Natioanl Level Participation in 23 <sup>rd</sup> Junior National / 19 <sup>th</sup> Throw Ball Federation Cup Competition at Haryana	Participated	27 – 29 Mar. 2015
<b>Sri Ramakrishna Engineering College, Coimbatore</b>					

9.	N.Subhashri	II – CSE	Malaysian International Yoga Competition 2014 at Malaysia	Participated	30 Aug. 2014
10.	P.Saranya	IV – ECE	XXXV National Games – Participated in WUSHU at Kerala	Participated	31 Jan. – 14 Feb 2014
11.	G.Arthi	III – ECE	National Women Sports Gymnastic Competition held at Ranchi	Participated	19 – 22 Feb. 2015

S. No	Name	Department	Game	Achievement	Date
<b>Bannari Amman Institute of Technology, Sathyamangalam</b>					
12.	M. Gayathri	III – Civil	National Road Cycling championship 2014-15, Karnataka	Participated	
			National Games 2015, Kerala	Participated	
<b>Jay Shriram Group of Institutions, Tirupur</b>					
13.	P. Lingesh	III – Mech	Participated in All India Fide Rating Chess at Sri Kamatchi Amman KalyanaMandapam, Tirupur	VIII Place	18 – 20 July 2014
			All India Level chess Competition	VI Place	19 – 21 Dec. 2014
14.	N.ArunKarthickraja	II – Mech	Karate – National Level, Tanjore	II Place	8 <sup>th</sup> Oct. 2014
			Karate – National Level, Tirupur	III Place	2 <sup>nd</sup> Oct. 2014
			Karate – All India Open, Udumalapet	I Place	14 <sup>th</sup> Feb. 2014
			Karate – International Level, Coimbatore	II Place	24 <sup>th</sup> Aug. 2014

			Karate – International Level, Kerala	I Place	12 <sup>th</sup> Dec. 2014
15.	S.Mugesh	III – ECE	Karate – All India Open, Udumalpet	II – Place	14 <sup>th</sup> Feb. 2014
16.	AdhamShareef	III – B.Sc – CT	International Level – shalion tiger Kung – Fu Academy, Tirupur	II – Place	24 – 25 May 2014
<b>Loyola Institute of Technology &amp; Science, Thovalai</b>					
17.	V. Krishna Prasath	I – MBA	Participated in Senior Federation cup Athletics Championship at Mangalore	Bronze Medal in Pole Vault	01 – 04 May 2015
18.	V.SreeNanthini	I – MBA	Participated in Kabaddi Championship (W) at Bangalore	Winner	
			Participated in Kabaddi Championship (W) at Tiruchengode	Participated	
<b>Vivekanandha Institute of Information and Management Studies, Tiruchengode</b>					
19.	C.Bhuvaneswari	III – MCA	Senior National Kabaddi Championship, Tiruchengode	Selected for Federation Nationals	14 – 18 Jan. 2015
<b>PSG College of Technology, Coimbatore</b>					
20.	AkshayaNandakumar	I – ECE	Represented India in Asian Youth Chess championship held at New Delhi		
21.	V.Lakshminarayanan	II – SW EEE	Represented Tamil Nadu State SEPAK TAKRAW team in the Junior & Senior National Championship		
22.	B.Raguvaran	II – SW EEE	Represented Tamil nadu State SEPAK TAKRAW team in the Senior National championship		
23.	R.Gurunathan	I – CSE			
<b>MEASI Academy of Architecture</b>					
24.	EkshikkaSivanathan		Tour of Tamilnadu 800 Km Cycling		

S. No	Name	Department	Game	Achievement	Date
<b>Cheran College of Engineering, Karur</b>					
25.	S.Prabhakaran	II – Mech	Karathe – do – National Level	Silver Medal	
26.	M.Sarathkumar	III – Mech	Chess – National Level	Bronze Medal	
<b>St.Joseph’s College of Engineering, Chennai</b>					
27.	S.Aravindhnan	I – MBA	17 <sup>th</sup> Youth National Volleyball Championship held at Uttarprasesh	II Place	
28.	S.Palani	II – EIE		II Place	
29.	S.MohammadAship Sharif	Bio Tech.	National Ball Badminton Championship 2014-15 held at Madhyapradesh	II Place	
30.	J.Saranya	III – I.T	29 <sup>th</sup> National Junior (U-19) Girls chess Championship 2014	Participated	
31.			Asian Junior & Girls Under – 20 Chess Championship 2014 Tagaytay, Philippines	2 <sup>nd</sup> Rank	
			Commonwealth Chess Championship 2015, New Delhi	Participated	
32.	R.Ganesh	II – I.T	Commonwealth Chess Championship 2015, New Delhi	Participated	
33.	U.C.Kaviya	I – CSE	International SEPAK TAKRAW Championship 2015, Sri Lanka	Regu Event - I Place, Double Event – I Place	



# **Annexure III**

## **BEST PRACTICES**

### **Practice I**

#### **1. Title of the Practice**

**Website of the Center for Research with facility for Online Status Checking**

#### **2. Objectives of the Practice**

The main aim of the Center for Research is to facilitate all administrative aspects of conducting academic research in a streamlined, systematic and hassle free manner.

- The Website of the Center has been designed with this objective in mind and strives to promptly provide all necessary information to the research scholars from start to finish – from applying for PhD/M.S to the award of the coveted Degree.
- The Website is the first of its kind – where actual status of the synopsis/thesis submission can be viewed by the research scholars by providing their registration number. The status details are updated every day so that anxiety of the students is mitigated in a transparent manner.
- The Website acquires more importance when we consider that the information has to be disseminated to over 3,300 research scholars in 540 colleges spread across the state of Tamilnadu.
- The main outcomes of this Website is the quick dissemination of information regarding dates of important activities, any instructions to be urgently communicated and amendments that come into effect from time to time for scholars from all over Tamilnadu. Thus, by periodically going through the Website, the research scholar can obtain all up-to-date administrative information enabling him to go about the academic aspects of his research in a hassle free manner.

#### **3. The Context**

Anna University is a premier University and comprises of 540 colleges of Tamilnadu. In this scenario, the number of students seeking admission for research has been steadily increasing. Moreover the merger of the different units of Anna University into a single entity has resulted in the need to provide a

uniform policy that governs all research scholars now coming under the single umbrella of Anna University. Many research scholars and research supervisors now exist in many locations spread throughout Tamilnadu. In this context, it becomes very important to convey all details of the current regulations to all stakeholders in a prompt and transparent manner.

From the quality of research perspective, it is very important to encourage scholars to publish their work in journals of repute. Towards this end, the Research Board has stipulated that scholars need to publish their work in journals with impact factor. In order to provide scholars with this vital information, the Website provides a list of journals having impact factor so that research scholars are made aware of such journals and are encouraged to study papers from such journals and aim to publish their work in journals of repute

#### **4. The Practice**

The Website has been designed with the objective of providing all details that are required by the research scholar right from applying for research degree to getting one.

##### **Information for Prospective Research Scholars**

- The call for applications for Ph.D/M.S is available as announcement in the Website.
- The prospective research scholars are provided with the facility to download application forms.
- Recognized Supervisors along with their respective area of specialization is available in the Website. This enables research scholars to select prospective supervisors and approach them for possible research supervision. Without this Website, such information is almost impossible to gather and the prospective research scholars find it difficult even to know the names of recognized supervisors let alone their area of specialization.

##### **Information Regarding Recognized Institutions**

- The Website provides a list of institutions that have been recognized by Anna University as a center for conducting research. This information can also be used by prospective research scholars while selecting a research supervisor.

##### **Information Regarding Admission**

- After the prospective research scholars have submitted their applications, the information regarding test/interview schedule is announced in the

Website. This avoids delays in the transmission of information when there is postal delay specially in remote areas.

- Information regarding selection and schedule for reporting and payment of fees is also announced on the Website.
- Information and applications regarding the Anna Centenary Research Fellowship for the research scholars are also announced on the Website from time to time.

### **Information while pursuing Research**

- Information regarding last date for payment of fees is announced on the Website every semester.
- All forms required for the periodically conducted Doctoral Committee Meetings such as: claim forms for Doctoral Committee members and Supervisor, forms for hospitality and format for minutes of the DC meeting are available and downloadable from the Website. This enables the supervisor to submit the forms in proper format and hence results in speedy processing.
- The Ph.D and M.S regulations are available on the Website, any amendments in the regulations are released as announcements from time to time.
- The Website provides a list of journals with high impact factors so that research scholars are made aware of such journals and are encouraged to study papers from such journals and to aim to publish their work in such journals. The supervisors are also encouraged to motivate the students to publish in quality journals whose names are readily available with an authorized status on the website. Quality publishing of this nature enables the supervisors and scholars who complete their Ph.D. to easily fulfill the norms of career advancement laid down by UGC/AICTE.

### **Information after submission of Synopsis/Thesis**

- **The availability of status after submitting the synopsis/thesis is the most important as well as unique feature of the Website.** After submitting synopsis/thesis, the research scholar can view the status of the submission by entering his/her research registration number in the 'status' link. The status information is updated every day and the student can obtain this information on the click of a finger. This avoids having to request the supervisor to enquire about the status and causing embarrassment to both the scholar and the supervisor due to the confidential nature of other information associated with the status. The status information on submission of synopsis includes date of dispatch, date of reminders sent to examiners and receipt of willingness from examiners and receipt of examiners report from the examiners. Moreover the acceptance from examiners, reports and remainders are all confidentially accepted/ sent by e-mail which speeds up the process.

The facility of providing up-to-date status information minimizes the anxiety faced by research scholars during the final phase of their research. The availability of this facility also motivates the administrative personal to work efficiently.

### **Information after receiving thesis report**

- All forms required for the conducting the final Viva Voce such as claim forms for Examiners, forms for hospitality claim and sample Attendance for Viva Voce and Minutes of the meeting formats are all available and downloadable from the Website. This enables the supervisor to submit the forms in proper format and hence results in speedy processing.
- Announcements regarding availability of provisional certificates and dates and forms for convocation are also available on the Website. Announcement about the convocation date in the website enables the scholars who have settled in any part of globe to attend the function and receive their degree. Therefore the Website facilitates the administrative process needed to be done by the research scholar through all the stages of his research and provides all required and current information to the research scholar on the click of a finger leaving the scholar free to pursue his research. This is especially true for research scholars from places far away from Chennai.

### **5. Evidence of Success**

The major advantage of this Website is availability of relevant information to the research scholars without visiting the Center for Research in person. Research scholars coming from remote areas thus, do not have to spend their precious time and money unnecessarily in travelling to the Centre. Sometimes, information that is relevant but scholars are not aware are answered by the information in the Website. This avoidance of requirement by the scholars visiting frequently to the Center for Research, helps to better maintain the confidentiality associated with the Center in a better manner. The efficiency of the Center has improved since routine information need not be manually sent to all scholars.

The number of Ph.D.s awarded has increased from 162 in 2008 to 360 in 2011. However, the main evidence of success is the decrease in the turnaround time from 8 months to 5 months on an average – time from submitting the synopsis to receipt of final reports from examiners.

### **6. Problems Encountered and Resources Required**

The interface of the Website can be improved by making it more scholar friendly. Facility to upload progress reports can be provided. This will enable

the center to maintain up to date information on scholar's publications. Facility for online payment of fees can also be provided.

A FAQ facility can be provided to answer common questions asked by research scholars. A link for checking plagiarism is already available with the University library.

More details regarding such forthcoming conferences, links to fellowships, announcement of Post Doctoral Fellowships, links to scholarship announcements of UGC, DST Inspire can be provided to the research scholars. Supervisors can be provided with links about calls for projects and research collaboration at national/international level.

## **Practice II**

### **1. Title of the Practice**

**Academic Records Management System (ARMS) with facility for person and time based locking for enhanced security**

### **2. Objectives of the Practice**

The main aim of ARMS is to facilitate all administrative aspects of pertaining to academics such as: registering students, assessment and end semester evaluation, and revaluation as well as Cumulative Grade sheet preparation in a streamlined, systematic and timely manner.

- The System has been designed with this objective in mind and links many academic and administrative wings of the University including Deans' Offices of the four campuses, the Academic Courses Section, all the Departments and the Placement wing of the Centre for University Institute Collaboration.
- The System is the first of its kind – **where the time-based locking facility results in indirect compulsion to faculty to publish all evaluations from all assessments to end-semester examination on time.**
- The System has resulted in shorter turn-around time for publishing the results.
- The main outcomes of this System is the **quick dissemination of information regarding status of each and every student to all stakeholders including Vice Chancellor, Registrar, Deans of Campuses, Head of Departments, Chairpersons of Class Committees, Officials at the Placement Cell, Faculty and Students depending on the associated role-based security.**
- **ARMS system is a major step towards a paperless office at Anna University.**

### **3. The Context**

Anna University is a premier University with four campuses housing the various University Departments and comprising 12,500 students including under graduates, post graduates and research scholars. In this scenario, the timely dissemination of information pertaining to registration, results of assessment tests and other details is very important. Moreover the timely availability of internal assessment marks will allow students to improve their performance. The availability of academic performance of students in each of the Assessments in a consolidated way is necessary for the Class Committee Chairperson to review the progress and to counsel the students. The status of mark entry at the department level will allow the Head of the Department to undertake necessary follow up action. One of the important aspects of any online academic processing system is the confidentiality of the system. While maintaining security, it is important that students can view their progress by accessing the system. The Student can view details regarding his/her marks by giving his registration number and password.

### **4. The Practice**

The System has been designed with the objective of providing all appropriate information as required by the different stakeholders.

#### **Information Availability - all Stakeholders**

The most important function of ARMS is information dissemination to all stakeholders. However at the same time confidentiality needs to be maintained for which role-based security is provided.

- The higher authorities such as Vice Chancellor and Registrar will be able to view details of all students across all the four campuses.
- The Deans of the Campuses can view details of all students in their respective campuses.
- The Head of the Department can view details of all students in his/her department.
- The Chairperson of the Class Committee can view details of all students in the associated class.
- The Faculty members can view details of all students in the class for the courses he/she teaches.

#### **Processing of Student's Admission – Link with Deans' Offices**

- After admission, the system provides fees details for different courses and the students list is generated based on fees paid. Then the system automatically

generates student register numbers which are associated with the student until the completion of the programme.

- The Dean of each campus can view up-to-date details of all students presently studying in the campus.

### **Processing of Student's Academic Details – Link with Department**

- Each semester the students are registered for courses they are eligible for or in the case of electives the courses chosen by the student. Based on this registration ARMS will generate a student list for each subject and batch.
- Each semester the Head of the Department will allocate faculty for each subject and batch through ARMS using his/her own password. Based on this allocation each faculty will now have access to all students the faculty will be responsible for evaluating. For example if a faculty handles a PG course for which students from other departments or Ph.d scholars attend, all these will be visible and accessible to the faculty in ARMS using his/her password.
- ARMS essentially follows a three step process – Entry, Updation (by faculty) and Locking by the Office of the Controller of Examination
- The time allocated for entry of each of the assessments as well as end semester exam is fixed and after that time period no faculty can enter the marks directly.
- In case the faculty does not follow the mark entry time schedule or needs to make corrections in already entered marks, then a separate form available as downloadable form through ARMS needs to be signed by the Head of the Department and submitted to the ARMS system administrator. This procedure ensures indirectly that the faculty enters the marks in time as well as carefully. Moreover, the procedure followed for unlocking marks provides a certain degree of security since, any changes made after initial locking by the faculty is recorded.
- ARMS also provides for separate locking of attendance since, this information is necessary for determining the list of candidates who lack attendance to write end semester examination (prevention list).
- Once all three internal assessment marks are available, ARMS calculates the sessional marks for each subject. The cumulative sessional marks are available for circulation to the students before the commencement of the end semester examination.

### **Processing of Student's Academic Details – Link with Academic Courses Section**

- ARMS system is also responsible for generating the course codes for the subjects of the curriculum for use by all academic entities.
- ARMS provides the Academic Courses Section with the prevention list which the section authorizes.

- ARMS also provides the Academic Courses Section with the list of common course instructors from which a common course coordinator will be chosen by the Academic Courses Section.
- ARMS also handles Break of Study Information of the students.

### **Processing of Student's Academic Details – Link with Controller of Examination Section**

- Once the list of eligible candidates and their sessional marks are available, ARMS starts the examination process by automatically generating dummy numbers for students writing UG regular and arrear examinations.
- ARMS then processes and automatically generate Hall Tickets with photos obtained from the student identity card section.
- ARMS handles the common courses by incorporating the normalization suggested by the common course committee.
- ARMS processes other subjects by allocating grades according to grades fixed by the class committee. In case of any moderation suggested by the class committee the same can also be incorporated.
- ARMS thus, enable publishing of results within ten days after the last examination.
- ARMS also handle reevaluation. The Examination Wing of the University has ensured confidentiality by using online ARMS user name password protected mark entry by the staff correcting the answer scripts. The reevaluation process is also tamper proof since the second evaluator is chosen from a list of examiners excluding first evaluator, dummy numbers are generated automatically and marks entry is by the evaluator using user name and password. In case there is a specified mark difference between first and second evaluation the system automatically allocates a third evaluator.
- After the reevaluation process ARMS generates the cumulative grade sheet along with arrear marks if any. This Grade sheet also comes with the photo ID.
- The examination processing by ARMS allows grade sheets to be available one and a half months after the last date of examination.

### **Providing Information – Link with Placement Section**

- ARMS also provides the placement section with lists of all students without arrears, list of students with the Cumulative Grade Point Average (CGPA) greater than a specified limit etc. This readily available information helps the Placement Section to quickly identify the appropriate students as required by the companies.



## 5. Evidence of Success

- The major advantage of ARMS is the **easy availability of relevant and accurate information to all stakeholders**. The role-based, person-based and time-based and password protected access to different types and levels of information ensures appropriate confidentiality of information.
- Another major advantage of ARMS is the **speedy declaration of results 10 days, and availability of grade sheets one and a half months after the last date of examination**.
- The linking between admission, fees payment, academic courses, departments, placement and examination sections by ARMS **prevents unnecessary data entry, necessitates only limited number of checkpoints and thus increases accuracy of data**.
- An additional aspect is the availability of history data about the students.

## 6. Problems Encountered and Resources Required

- ARMS is a academic record management system that provides information regarding students academic data. However, other activities of the students such as sports, seminar presented / organized etc. do not form part of ARMS. These aspects can be included to allow ARMS to record all data regarding the students.
- A further analysis across the years regarding student's performance, electives preferred can be added as extra facilities.
- ARMS system can be extended to all affiliated colleges to make the complete academic process accurate and secure.
- FAQs regarding academic matters, regulations, placements etc. can also be added to help the student community.

# **ANNEXURE IV**

## **SWOC ANALYSIS**

### **SWOC OF CURRICULAR ASPECTS**

#### **STRENGTHS**

- Being a pioneer in engineering education with the long tradition of quality teaching by competent faculty, the curricula and syllabi have evolved over time and considered the most standard
- The best curricular diversity in technical education with rare-to-find and innovative courses in specialized or emerging or industrially important areas
- Regular and frequent revision of the syllabi by experienced researching academicians and active industrial experts
- Model curriculum with emphasis on good fundamentals, advanced knowledge, scope for diversified learning through electives and practical as well as research orientation through a semester of student project in UG and two semesters in PG.

#### **WEAKNESS**

- Though wide choice of electives is advantageous to the curriculum, in practice it is restrictive due to demand on faculty strength and resources; recruitment of additional faculty members in State University is an involved process
- A common single fit-for-all curriculum in the first year across diverse disciplines combined with large batches of students.

#### **OPPORTUNITIES**

- To increase curricular diversity and choice for students by bringing in credit sharing option between different programmes in Anna University and even other Universities.
- Curriculum can be designed with more practical aspects and research orientation in coordination with industry also by encouraging some industry certification courses
- To capitalise on the global recognition of the curriculum and syllabi and bring about credit sharing with international universities.
- International accreditation of the degree programmes to open up global avenues for the students.

- Obtain feedback from all the stakeholders - students, alumni, parents, peers and employers on continuous basis to sustain and enhance quality of education imparted

## **CHALLENGES**

- To bring about a common understanding among various educational institutions and universities in ways of deciding course equivalence, evaluation and credit sharing policies and prepare common syllabi to be followed.
- To homogenize the large batch of students from different backgrounds in the University set-up through curricular content, especially in skill development, moral and ethical values of the profession
- Promoting the innovative programmes offered in the university among the public and clarifying the apprehensions of the students towards the selection of new courses and its scope.
- Introduction of application oriented programmes to attract students from India and abroad for pursuing higher studies.

## **SWOC OF TEACHING, LEARNING AND EVALUATION STRENGTHS**

- The use of multi-mode and multi-media technologies such as traditional chalk & talk, OHP, smart boards, LCD projectors with PowerPoint slides, video clips provide the right blend of teaching aid to match delivery requirements
- Teaching and guidance by researching faculty help to keep the students highly motivated in the latest developments of a subject and obtain authentic advanced knowledge, research-orientation and professionally helpful projects.
- Use of assignments, case-study methodology, review of journal papers etc develop the analytical ability, decision making skills, ethics and multidimensional aspects and approaches to problem solving or development.
- Industrial visits, teaching of elective subjects and guest lectures by senior professionals and experts from industry, projects in association with industries etc provide the best industry-oriented practical learning experience to students.
- Academic Records Management System (ARMS) software custom developed for Anna University in storing, evaluating and tracking the students' academic details has brought lot of credibility and transparency to the evaluation system.
- Semester system with three internal tests and an end-semester examination with equal weightage for both provide adequate and continuous assessment of a student on his/her strengths and weaknesses.
- Subject-wise compulsory and detailed feedback by students on the quality and several outcome of teaching by faculty, its review by Head of the Department and Vice Chancellor himself along with the faculty for their improvement

- Class Committee consisting of faculty and student representatives to monitor the academic progress and quality of a class every semester for each branch.

## **WEAKNESS**

- The very process of high-pass, result-oriented assessments, peer-pressure among equals and continuous monitoring make students feel University an extension of school and some brilliant students even lose interest
- Intense course content with inputs from diverse experts, especially elective subjects, sometimes results in additional hours to cover portions or inadequate resource materials or inability of a teacher to cover all units with competence.
- Totally teacher-based assessment is prone to manipulations, demand for teachers with high integrity and absolute accountability, unpleasant scrutiny and no scope for external evaluation to compare standards.

## **OPPORTUNITIES**

- Flexible approaches like credit sharing among University, other institutions, distance education, self-study, credits for leadership qualities or services or innovative contributions, and the freedom for students to choose teacher when the same subject is taught in batches by different teachers
- Totally computerized examination and evaluation system for efficiency, timely result publication and transparency
- Since the challenges like urban-rural disparity, socioeconomic disparity and language abilities currently faced by Anna University will be also be faced by other State Universities when technical education needs to multiply soon, Anna University models will set the trend and become valuable
- Sensitising teachers and training them to tackle the above challenges and make them develop into transformers of student society is a challenging opportunity.
- For students there can be more interactive Web based training so that some of the basics are learnt by self before hand and assessments can be conducted online by self to improve levels and complexity.
- Similarly faculty can also be exposed to online material Create forums for some of the alumni or industry leaders to provide lectures Hand written records which are cumbersome can be replaced by electronic media
- Encourage students to conduct classes so that they develop the passion for teaching

## **CHALLENGES**

- Credit sharing mechanisms require major policy changes among the institutions concerned and the government and there could be resistance and challenge.

- Development of computerized integrated TLE is another challenge requiring major changes in the mindset of University management, administration, teachers and the students.

### **SWOC OF RESEARCH CONSULTANCY AND EXTENSION STRENGTHS**

- Culture and climate for research sustained over long periods has led to majority, 81.79%, of the teachers possess Ph.D. degree and engage in active research guiding M.S.(by Research) and Ph.D. and do funded projects and industrial consultancy
- The pioneering move, right from the beginning, of creating autonomous Centres/Institutes under the directorship of an actively researching senior faculty to carry out advanced research with large funding, take up consultancy work and offer programmes in emerging areas of tremendous future potential
- Unique models in Anna University to augment its research and high priority for it in its policies. Centre for Technology Development and Transfer utilizes overhead charges from projects to promote product-oriented research and commercialize them.
- Establishment of several national facilities owing to capabilities to pursue inter disciplinary research in a variety of areas
- A preferred destination for conducting national and international programmes.
- Research–friendly administrative set-up has earned good impression about the University from funding agencies and hence better recognition for the proposals

### **WEAKNESS**

- Intense research becomes obsessive and senior faculty get preoccupied with regional and national obligations compromising teaching obligations
- In an exponential growth the demand by major research projects sans provision for infrastructure development (building and overheads) puts enormous pressure on linearly progressing University infrastructure development.

### **OPPORTUNITIES**

- Significant research outputs in the past have created opportunities in a number of emerging fields in which mega projects are announced frequently and regularly.
- Excellent climate and track-record for interdisciplinary and multi-institutional research output in turn results in offers for more such mega projects
- A large number of research projects provide fellowship opportunities in thrust areas so that Ph.D. as well as research experience is futuristic providing potential to be absorbed in reputed institutions and industries.

- Many reputed national and international organizations have signed MoUs in a variety of fields providing excellent opportunities for research collaboration.

## **CHALLENGES**

- High standards of research bring Anna University lead to comparison with equal players at the national and international level and publications with significant impact. It is a challenge to sustain and excel as the competition is severe.
- Establishing robust mechanisms to convert laboratory research into useful products of industrial need/interest.
- Mission-oriented and thrust area research would require uninterrupted time of the faculty for months and years and extended stays in collaborative institutions in India and abroad. This will strain the on-going academic arrangements and demand gearing up with adequate back-up and alternatives
- Boom in IT sector and better employability of Anna University graduates, it is becoming a challenge to get bright students to take up full time research for Ph.D. degree or for working in projects in engineering fields

## **SWOC OF INFRASTRUCTURE AND LEARNING RESOURCES STRENGTHS**

- All departments are self-contained with enough class rooms, both big and small, state-of-the-art smart classrooms, videoconferencing facility, well-equipped practical and research laboratories, uninterrupted power supply, exclusive library and computer facility. All departments even have seminar hall/auditorium to conduct departmental co-curricular and extracurricular activities.
- Central learning resources, common to all departments: the Central library located in three campuses, Ramanujam Computing Centre in the Main campus and in the MIT campus, AU-FRG CAD/CAM Centre language lab etc.
- Each faculty is provided with a computer and 4-digit campus telephone for easy and ready interdepartmental, intradepartmental and administrative communication to enhance their quality time for teaching and training. Attendance and assessment results are submitted on-line securely to the controller of exams for speedy publication of results. Extended facilities like Crèche for women employees, campus schools and Centre for women empowerment and SC-ST Cell help women faculty to concentrate on teaching
- Well-provided hostel to accommodate all the UG and some of the PG students and 2 modern international hostels for NRI students help hostel students to concentrate on studies. Being centrally located in the Metro the day scholars also find it convenient to commute and spend more time on learning.
- The emphasis on research orientation in the University learning facilitate students to access research laboratories, interact with faculty and research scholars, and

use sophisticated instrumentation facilities available in various departments. Being strategically located close to several reputed Central and State Institutions like IIT-M, the faculty, scholars and students have convenient access to their resources, a major reason for the progress of Anna University.

## **WEAKNESS**

- Popularity exposes capacity limitations. The student-staff ratio remains at 24.87 :1 (excluding temporary faculty) in spite of recruitment efforts to improve the ratio to ease the difficulty of handling large classes and to engage in advanced research with funded projects
- Major expansion on number of faculty carrying out research, students enrolled and projects done on-campus lead to space and facility crunch for the scholars and indirectly affecting the learning experience of students.
- Support facilities also face the pressure of increasing demand from students and compromise at times in the quality of service becomes inevitable. With affiliating responsibilities, this would be felt increasingly so.

## **OPPORTUNITIES**

- As leader in technical education and a large affiliating University, Anna University has many opportunities to come up with innovative ways to tackle the problem of matching the quality with quantity
- Exploitation of satellite based and DTH based training of teachers and educating students at home to establish uniform standards in education throughout the State. Conduct of exams, uniform assessment and declaration of results are centrally managed well from Anna University and this has to be strengthened by appropriate auditing system. Accreditation, NAAC and NBA has to be mandated for all the institutes and courses respectively.
- Training of lakhs of graduates for employability and sourcing employment through an exclusive Centre for University Industry Collaboration for the whole State provides a great opportunity to come up with sustainable models that can be replicated throughout the Country.
- Investment in funds to upgrade the infrastructure is a constant issue raised by students. Hostels - while NRI facilities are good, the ones catering to the others still requires upliftment.

## **CHALLENGES**

- With wide variations in the quality of students, regional characters and compulsions, ways to produce large numbers of employable engineers is a challenge requiring significant change in the mindset of a majority of faculty, many of them young and freshly recruited. Not-easy-to-implement policies like

accreditation and auditing requires enormous persuasion and facilitation adding additional strain on the current workforce

- Research motivation is another challenge requiring sustained mentoring, especially for developing areas of research suited to regional conditions. A robust mentoring system is not easy.

## **SWOC OF STUDENT SUPPORT AND PROGRESSION STRENGTHS**

- Being toppers, Anna University students are brilliant and bubbling with ideas for many co-curricular and extracurricular activities. The University's hallmark annual meets like Kurukshetra, Techofest and Mitafest have earned international recognition for its intellectual content and benefits to the student community
- A number of curricular, co-curricular and extra-curricular activities are regularly conducted for students through NSS, NCC, YRC, Rotaract, Leo club, Green Brigade, Literary Club, Computer Robotics club, Quality club, etc.
- Centre for Technology Development and Transfer has introduced "Student Research Support Scheme" for encouraging students to undertake innovative research projects with financial support
- Anna University Sports Board proactively encourages the students to participate extensively in the various forms of games, track & field events and adventure sports. The students regularly win prizes in regional and national competitions
- Students take active part in running their mess and in hostel upkeep, willingly become representatives of curricular, co-curricular and extracurricular bodies to involve in organizing various activities ranging from cultural to placement
- Faculty as Class Advisors/Counsellors/Coordinators/Organizing Secretaries interact with students and help in their welfare, performance and achievements
- Value-added programmes for advanced learners and remedial coaching classes/bridge courses for needy students are provided. Peer mentoring is popular in the preparation for higher studies, placement and competitive exams. Programmes like Mock Parliament are conducted regularly

## **WEAKNESS**

- Enthusiastic participation of students in such co- and extra- curricular activities affect the regular curricular plans like scheduling of assessment tests and require conduct of special classes even on Saturdays to make up the portions. Elaborate preparations for mega events do affect students' concentration on subjects.
- Severe competition among campus-wise and department-wise events to catch attention and attract crowds does bring in undesirable differences and comparisons, which at times reflected even at faculty level.
- As the programmes are not funded by the University the students solicit sponsors through faculty and own contacts. Severe competition among mega event



organizers leads to unfair means and squeezes the funding opportunities for smaller event organizers. Lack of funds and consequently poor peer recognition make the student organizers stressed and nervous.

## **OPPORTUNITIES**

- The student events could be partly funded by the University and staggered throughout the year for reducing unwanted competition and benefit the student organizers and audience.
- Instead of separate events students can be guided to organize interdisciplinary events to improve cordiality and interaction among them and with various faculty
- The Sports Board as the apex body for the affiliating University with enhanced budget provision can now organize more regional, national and even international events to nurture goodwill among participating institutions.

## **CHALLENGES**

- Major changes in long existing practices to bring togetherness at campus, departmental, faculty and student level and setup robust organization structure to manage these events, especially the branded ones
- Foreign Universities/Institutions' incorporation and global level meets would require a quantum jump in level of infrastructure and organization structure taking into account global standards and bilateral ties
- Interdisciplinary events and multiple intuitional participation will bring forth differences, comparisons and challenges of a different sort not tackled so far

## **SWOC OF GOVERNANCE, LEADERSHIP AND MANAGEMENT STRENGTHS**

- Faculty and staff have rich experience, maturity and track record in decentralized, autonomous, transparent and democratic management and administration. The University is governed by the Statutory Act and the policies of the Government in admissions, recruitments, salaries etc.
- The top management is compact and highly professional. The Vice Chancellor is the supreme authority and chairs the Syndicate consisting of members from the government and diversified fields to take policy decisions. The Finance is managed by the Finance Committee and the respective sub-committees. Flexible budgets are prepared department/Centre-wise with provisions for mid way revision. The utilisation of funds is subject to internal and external audits
- Affiliation, admission, academic programmes, academic research, examination and sports activities of the affiliated colleges are streamlined and monitored by

specialised autonomous centres of the University. These centres are further assisted through regional centres created in four locations in Tamilnadu.

- The prompt decision making and implementation are actually made with proper feedback right from the students, the ultimate beneficiaries of the system, through every faculty member and with inputs from outside experts. Almost all decisions are collective involving a departmental committee or interdepartmental committees or committees appointed by the University.
- From top to bottom faculty take interest in running the affairs of the University

## **WEAKNESS**

- Mismatch between aspirations of the University at global level with local compulsions is at times frustrating; Infrastructure development like buildings and student facilities has to strictly follow time-consuming government norms.
- The fee is highly subsidized for the economically weaker sections and therefore development largely depends on gratis sources, plan period grants from funding agencies & generated revenue requiring complex management.
- The research is largely supported by various projects from funding agencies and self-supporting academic programmes. Such revenue earning exercises affect quality time for research and the quantum of such support is unpredictable.
- The just right student-to-staff ratio of makes career development features like sabbatical leave not implementable effectively even though foreign travel on collaboration for shorter period is facilitated.
- Though ICT is extensively used for academic administration, the University administration needs to strengthen its e-governance to speed up policy implementation and maintain up-to-date record of happenings and achievements

## **OPPORTUNITIES**

- Regionally the University fulfils the major demand of HRD through technical education. India requires ten times more engineering graduates for global need and this unprecedented demand opens new opportunities of developing administrative and management models to match quality with quantity and achieve inclusiveness, thus providing leadership to rest of India.
- An academic staff college in technical education and its management and administration in the campus is a great opportunity in view of the demand for technical colleges throughout India
- Credit sharing mechanisms among technical and non-technical institutions, flexible modes of education and exchange programmes with foreign Universities etc are opportunities for innovations in educational management and leadership

## **CHALLENGES**

- Though the rush for technical education provides great opportunity, aligning with changing national and state policies of technical education is a challenge.
- Reorientation of management and administration for affiliating responsibilities requires understanding and adjustment from both sides; University should match their aspirations, speed and business mode while the private players fulfil government's mandate of providing quality education at affordable cost.
- Balancing academic, research & administrative responsibilities of senior faculty members in the affiliation scenario is a major challenge for the management, as their experience and leadership are also crucial to University's performance.
- The re-orientation to the new order of fostering interdisciplinary degrees and research requiring multi departmental interactions and sharing of resources.
- Overcoming technology obsolescence and getting rid of old infrastructure and materials to create space and facilities for new ones at a rapid phase has become a challenge due to stringent procedures and policies to be followed.

## **SWOC OF INNOVATION AND BEST PRACTICES STRENGTHS**

- Anna University pioneered the introduction of federal structure by starting autonomous Centres and Institutes with its independent Directors. There are 19 research centres/institutes and 24 service centres/institutes working efficiently and flourishing as models or prototypes
- These decentralized institutions promote non-compartmentalized development to promote inter and intra departmental (including outside institutions) collaborative research and help the University to intensify interdisciplinary research in modern technology development
- In recognition of such capability, UGC has extended the support of Rs. 5 more Crores of rupees to the second phase of Centre with Potential for Excellence in Environmental Sciences and DST has chosen Anna University to establish the first National Hub for Healthcare Instrumentation Development with a funding of Rs. 12.4 Crores of rupees. The ministry of Environment and Forest chose Anna University to house the first WHO-funded National Centre for Sustainable Coastal Management worth Rs. 199.5 Crores.
- The emphasis of the University in translational research and product development led to the establishment of a dedicated Centre for Technology Development and Transfer. An active IPR Centre funded by CTDT, student and faculty project grants, industry interface through meets and expos, facilitation of technology transfer agreements etc are some of the highlights of this Centre
- Since the ultimate benefit of all these should result in employability and employment, an exclusive Centre for University Industry Collaboration (CUIC), was established as a unique model and the State has fittingly recognized its services and entrusted State-level placement responsibilities to this Centre.

- Futuristic developments are reflected in the curricula, especially through multidisciplinary subjects and choice of courses between the departments for the M.S and Ph,D, students, subjects in ethics and soft skill based development. Even for the student research scholarships (PURSE scheme) and student project funding the emphasis is placed on interdisciplinary research. This intensification has brought about inter and intradepartmental cohesion.
- Many reputed international institutions and foreign nationals establish collaborations and come to study in the University. The Centre for International Affairs, which supports the creation of high quality infrastructure and facilities for NRI as well as native students, is an ingenious move of the University.
- Being the oldest engineering institution of repute, the University has a huge pool of highly qualified professionals as alumni in positions in Industry, Government, Defence and various other user agencies all over the world, and many are successful entrepreneurs. Campus-wise alumni associations and an exclusive alumni club, a rare feature, their inclusion in various developmental activities of the University ensures their association and contribution to development. Anna University – K.B. Chandrasekhar Research Centre (the first PPP model in University setup) and Alumni Guest House are just two of the many examples of their valuable contributions and range of involvement.

## **WEAKNESS**

- Owing to a variety of reasons, many innovative ideas are not readily implementable in the University set-up, especially when it is a large State University, at a desirable phase.
- Decentralized functioning to support autonomous centres has the risk of the system growing unwieldy requiring highly vigilant and strong decision making and implementing administrative and management set-up. The mismatch could lead to skewed development and unwanted frustrations.
- Innovative revenue earning mechanisms like NRI admissions and student exchange programmes with foreign universities pose socioeconomic challenges for the University catering predominantly less affluent rural students
- With emphasis on innovative schemes for employability to satisfy the justifiable aspirations of present-day engineering graduates, many first-time engineering graduates from small towns and rural areas, the initiatives like entrepreneurship development and supporting of start-up companies by faculty and students to augment the population of job providers remain dormant.

## **OPPORTUNITIES**

- The biggest opportunity for the University is the scale-up of its innovative practices, especially in extending its infrastructures, to the benefit of 540 affiliated colleges and more in the years to come.

- The management, which has been so far effective in handling the affairs of the University and the constituent colleges needs to invent mechanisms and innovate practices to benefit the large number of affiliated colleges, which are diverse in their resources and capabilities.
- Translational research initiatives like IPR and technology transfer are enthusing faculty to get involved in product-oriented, interdisciplinary and net-worked projects. Along with collaboration from national and international organisations, there is huge potential in futuristic technology and product development.
- With the University's expanding alumni base and many doing extremely well and influential in different parts of the world there is an immense potential to rope them in the development of the University.

## **CHALLENGES**

- The scale-up of learning facilities to effectively reach nook and corner of the State is a tremendous challenge requiring innovative and robust models of management and administration supported by smart ICT.
- Maintaining high levels of innovative spirit in research is a big challenge requiring constant persuasion, adequate facilities and time to foster innovation.
- Programmes like entrepreneurship development, technology business incubation and venture capital based business establishment are futuristic challenges in the changing roles of Universities trying to satisfy quite divergent aspirations of the country in technical competence.

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