

ANNA UNIVERSITY

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

2015 – 2016



**INTERNAL QUALITY ASSURANCE CELL
(IQAC)**

CHENNAI – 600 025

THE ANNUAL QUALITY ASSURANCE REPORT (AQAR) OF THE IQAC

2015-2016

AQAR OF IQAC

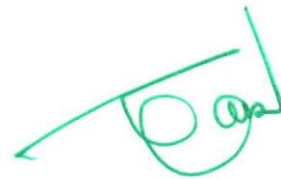
JUNE 2015 – MAY 2016

This is the AQAR prepared by IQAC of Anna University, for the four campuses of Anna University in Chennai, namely, CEG, MIT, SAP and AC TECH. The report relates to the period June 2015 – May 2016. This has been prepared under the direction of the Registrar, Anna University 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, with inputs from various officials of Anna University.

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 AC TECH, for the year 2015-2016 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.

I thank all the members of the Syndicate and every individual working 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. S. GANESAN
REGISTRAR

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PART A

INSTITUTION DETAILS

AND

IQAC COMPOSITION

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 S.Ganesan

Tel. No. with STD Code:

044-22357004 (Office)
044-42087713 (Residence)

Mobile:

9444412270

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/AQAR2015-16.pdf>

1.6 Accreditation Details

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

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

31.10.2012

1.8 AQAR for the year

2015-16

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

- i. AQAR 2014-15 01-03-2016 (DD/MM/YYYY)(Revised Guidelines)
- ii. AQAR 2013-14 16-07-2014 (DD/MM/YYYY)
- iii. AQAR 2013-14 07-07-2014 (DD/MM/YYYY)
- iv. AQAR 2012-13 07-07-2014 (DD/MM/YYYY)
- v. AQAR 2011-12 07-01-2013 (DD/MM/YYYY)
- vi. AQAR 2010-11 07-01-2013 (DD/MM/YYYY)
- vii. AQAR 2009-10 07-01-2013 (DD/MM/YYYY)
- viii. AQAR 2008-09 07-01-2013 (DD/MM/YYYY)
- ix. 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 Triba

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)

Architecture and Planning

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

NA

**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 * **UGC-CPE**

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 – UPE : University with Potential for Excellence –

[Advanced Stage of Approval vide F.No. 1-1/2013(NS/PE) Policy File dated 2 May 2016]

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

5

2.2 No. of Administrative/Technical staff

2

2.3 No. of students

1

2.4 No. of Management representatives

1

2.5 No. of Alumni

1

2.6 No. of any other stakeholder and community representatives

1

2.7 No. of Employers/ Industrialists

1

2.8 No. of other External Experts

1

2.9 Total No. of members

13

2.10 No. of IQAC meetings held

7

2.11 No. of meetings with various stakeholders: No.

7

Faculty

7

Non-Teaching Staff

2

Students

1

Alumni

1

Others

-

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

Yes

No

If yes, mention the amount

N.A

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**

Six Sigma Green / Black / Yellow belt programmes, Change management and capacity building to improve Quality of Systems, Effective Performance management, TQM seminar combined with factory visits and Lean leadership training programme.

2.14 Significant Activities and contributions made by IQAC

More than 1000 persons were trained through a variety of Quality Improvement Programmes as mentioned in Annexure I. Q - Quest '16 Annual Quality Conference was conducted during 26th and 27th March 2016 with an overwhelming participation from 200 companies.

Apart from the above, IQAC has consistently participated in the quality initiatives / sustenance / enhancement activities of the university in terms of the following:

- Conduct of Academic Audit.
- Submission of application to UGC / DST and other national agencies by the departments for securing funding at various tiers, as applicable.
- Facilitating the process of Accreditation / Reaccreditation of five programmes offered by the University.
- Submission of application to NAAC headquarters by IQAC for sponsorship to conduct Two-days NAAC Awareness Seminar / Training on Quality Systems in Higher Education.

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.64.22 crores in the year 2015-16 towards construction of buildings and their maintenance in its four campuses, namely CEG, MIT, ACT and SAP.

(ii) Ranking and Recognitions:

- Anna University is ranked 293 as per QS (Quacquarelli Symonds) World University Ranking in the Faculty of Engineering and Technology in the year 2015.
- The University stands 2nd at national level in ‘h’ index citations based on the research paper published by its faculty members and research scholars.
- Anna University is occupying the 1st place in Tamilnadu and 7th place in Country for Access of E-Journal which are provided by UGC –INFLIBNET.
- In the subject of Mechanical, Aeronautical and Manufacturing Engineering, Anna University is ranked between 151 and 200 in the global level and 7 in the national level.
- There are 20 SAP (Special Assistance Programme) recognized Departments receiving long term grants from UGC.
- There are 19 Departments recognized under the DST-FIST scheme.
- Anna University is the only University shortlisted among 35 Indian Universities for the prestigious status of ‘University with Potential for Excellence’ by UGC in the XII plan period for its expertise in the area of Biomedical Engineering and Applications.
- Hon’ble Chief Minister of Tamil Nadu has announced under Rule 110 of Tamil Nadu Legislative Assembly Rules that Rs. 252.60 crores will be spent towards infrastructure pertaining to a greatest development of science, engineering and, technology, Libraries, Computer Centres and Power Generation from solar energy for 4 campuses, 13 University Colleges and 4 Regional Offices of Anna University.
- The Chief Minister of Tamil Nadu has sanctioned Rs.20 crores to Centre for Aerospace Research, Anna University, towards the creation of infrastructure facilities to design and develop Unmanned Aircraft Systems.
- A sum of Rs. 15 crores under RUSA scheme has been recommended for the project submitted through Government of Tamil Nadu on ‘Sustainable Energy

Technologies –Efficient renewable energy power generation with energy storage for sustainable smart grid” to Institute of Energy Studies, Anna University.

- Anna University is one of the largest Technical Universities in the country with 627 colleges affiliated to it, with a student registration of approximately 8.5 lakhs and about 12,804 Ph.D. scholars on roll.
- The Centre for University Industry Collaboration (CUIC), Anna University has received “Sustainable Institute Industry Partnership Award 2016” for the its 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.

(iii) Research & Development:

- During 2015-16, 48 sponsored research projects are being carried out by the members of faculty with a total value of Rs.20.96 crores. Further Rs.30.28 crores has been generated through 1342 consultancy services and Rs.59 lakhs through 1527 testing services carried out.
- Anna University has filed 413 inventions for patents and has obtained 41 patents so far. In the present year, the University has filed 19 patents.
- The University has established many prestigious Centres of Research. To name a few: i) Centre for Excellence in Bio-medical Applications, ii) University Innovation Centre and iii) BUILDER programme in the field of Biotechnology with sanctioned funding of about Rs.18 crores. In the last year, the university has made significant contributions to the field of technology; notable among these was the UAV (Unmanned Aerial Vehicle) developed by Anna University used by Chennai city police in their rescue operations during the devastating floods in December 2015
- Department of Biotechnology, Ministry of Science and Technology had 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 to have the highest number of Ph.D. awardees among all Technical Universities in India. The total number of Ph.D scholars on roll

are 12,804 as per January 2016 status. A total of 1694 scholars were admitted during 2014-15. 1226 Research Scholars received their Ph.D degree and 84 scholars received their M.S (by research) degree during the 36th Convocation of Anna University held in January 2016.

- More than 3100 teaching staff / Experts are recognized as supervisors by the University for guiding research scholars.
- Leptospirosis kit developed by NHHID was technology transferred to Genomix Molecular Diagnostics Pvt. Ltd. and received Rs. 3,00,000/- as one-time technology transfer fee.
- Mass screening gadget for ophthalmic lesions developed by NHHID was technology transferred to TMI Systems, Bangalore for Rs. 2,00,000/- as one-time tech-transfer fee and 25% royalty on ex-factory price.
- The achievements of the University Departments in terms of research publications and books authored by the faculty members are as follows:

University Departments, Anna University

Research Papers Published in National Journals	:	222
Research Papers Published in International Journals	:	1275
Books written by the Faculty Members	:	30

University Colleges

Research Papers Published in National Journals	:	118
Research Papers Published in International Journals	:	730
Books written by the Faculty Members	:	27

(iv) Training programmes and conferences:

- Centre for Faculty Development, Anna University has organized a 13 training programmes to train the faculty members in Engineering Colleges on various Academic, Research and Skill development topics. 2125+1645 faculty members were trained during Winter 2015 and Summer 2016 respectively, on the topics covered in various Engineering courses as per Anna University curriculum. 1148 faculty members were trained in 4 batches through Bridge courses on English, Mathematics and Physics. Apart from this Training programmes were conducted on Web content, Anna University Edusat, CBCS, Foundation Skills in Integrated Product Development, Research methodology, AView Video lectures, Joint Workshop with Tamil Virtual Academy (Kanithamizh Peravai). More than 5000 students and 1800 faculty members benefitted through these programmes.
- A number of Seminars/Symposia/Conferences were organized by the University departments and several were attended faculty members. The details are as follows:

University Departments, Anna University

Seminars/Symposia/Conferences Conducted	:	231
Seminars/Symposia/Conferences Attended	:	718

University Colleges

Seminars/Symposia/Conferences Conducted	:	210
Seminars/Symposia/Conferences Attended	:	718

- Around 166 Companies visited AU-CUIC and recruited 1324 UG Students and 395 PG students with a salary package ranging from Rs.3.25 Lakhs to Rs. 24 Lakhs per annum.
- Around 36 Companies offered 97 internships to UG Students and 73 internships to PG students with stipend ranging from Rs.10,000/- to Rs.50,000/- per month.
- Conducted Tamil Nadu State Level Placement Program (TNSLPP) at different zones, for the benefit of students from affiliated Engineering Colleges and University / Constituent Engineering Colleges under Anna University. Around 1640 students were placed in 9 drives
- 160 students benefited from career guidance programmes conducted by the Career Guidance Cell of Anna University. The titles of the programmes are 'One-week training programme on Python Skills' and 'One-day workshop on Capacity Building'.

(v) MoUs signed:**International Organizations:**

Sl.No.	Name of the organization /University
1	University of Westminster, UK
2	Birmingham City University, UK
3	University of Bern, Switzerland
4	University of Edinburgh, UK
5	Wright State University, USA
6	University Witten / HerdeckeUWH), Germany
7	University of Porto, Portugal
8	Ecole Centrale De Nantes, France
9	National Tsing Hua University (NTHU), Taiwan
10	Nansen Environmental and Remote Sensing Centre (NERSC), Norway

National Organizations:

Sl.No.	Name of the organization /University
1	SunEdison Solar Power India Private Limited, Chennai
2	Kohler India Corporation Private Limited, Gurgaon, Haryana
3	National Association of Software and Service Companies (NASSCOM), New Delhi
4	Cognizant Technology Solutions India Private Limited (CTS), Chennai
5	Directorate of Medical Education (DME), Chennai
6	National Health System Resource Centre (NHSRC), New Delhi

(vi) Grants received for Schemes and Programmes during 2015-16.

Sl. No.	Name of the Scheme / Programme	Amount Received during 2014-15 (Rs.)
1	UGC – SAP	49,30,155
2	UGC-BSR-One time Grant	14,00,000
3	DST-FIST	3,59,00,000
4	DST-NHHID	1,50,00,000
5	DST-PURSE	1,81,26,000
6	DST - M.Tech (Nano Science & Tech)	92,26,000
7	DST - M.Tech (Biotechnology)	71,83,831
8	DBT - BTIS	13,52,000
8	MHRD - CEMA	1,00,00,000
	Total grants received	Rs. 10,31,17,986

2.15 Plan of Action by IQAC / Outcome

- Providing teaching and learning experience, focused on e-learning and modern teaching methods
- Multidisciplinary research in advanced areas with productization and commercialization as the focus
- Enhancing Research Fellowships for Ph.D scholars

- Exposure of faculty and students to the latest of technologies and its applications
- Supporting the students towards entrepreneurship and business establishment; technology business incubators and University innovation clusters and training centres.
- Publication of University Research Journal.
- Data collection / consolidation and updating the university details for NIRF ranking.
- Revision of Finance & Accounts Manual.

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

Management **Syndicate** **Any other body**

Provide the details of the action taken

The IQA Council Meeting was conducted on 29.4.2016. The council members discussed various quality related activities of the University such as Submission of AQAR 2015-2016, Conduct of Academic Audit for the year 2015-2016, Speeding up of the NBA Accreditation / Re-accreditation process for the various programmes offered by the university departments and the quality initiatives taken by IQAC in this regard. The current members of the IQAC team and the activities of IQAC during the academic year were presented to the council members.

The Council members suggested that IQAC should create benchmarks for quality enhancement.

PART B

CONSOLIDATED DETAILS

AT

UNIVERSITY LEVEL

Part – B

CONSOLIDATED DETAILS AT UNIVERSITY LEVEL

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

1.2

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	-	-	-	-
Adv. Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others (M.Phil)	6	-	-	-
Total	118	3	53	-

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

* New PG Programmes added in Faculty of Information and Communication under Regulations 2015.

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.

Duration of Training / Internship	Credits
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). The no of programmes and the pattern followed are given below:

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 Multiple Courses 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. There is also an overall monitoring committee to address the issues, if any, during the semester.

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:

- Meeting of Chairpersons of Faculties to decide Curricula & Syllabi guidelines such as the following:
- - The Curricula of PG programmes are so designed that the prescribed credits required for the award of the degree are within the limits specified below:

Programme	Prescribed Credit Range
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.
- 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
- First version of Curricula and Syllabi is to be approved by the Department Consultative Committee.
- Board of Studies discusses and suggests modifications and approves the Curricula and Syllabi.
- Standing Committee approves Agenda to be brought to Academic Council
- The Curricula and Syllabi is approved by the Academic Council.
- Standing Committee Approves Minutes of the Academic Council.
- 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
	608	287	152	169	-

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

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:

Diversity: 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.

Enhancing Employability: Even comprehension and communication skill boosting subjects have been included to enhance the employability of the graduates.

Semester Abroad: This 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 the following:

- **Student feedback based resource mobilization**
- **Computerized Academic Records Management System**
- **Conduct of Academic audit**
- **Value-added courses on PPO model**
- **Free Open Source Software (FOSS) e-resources**
- **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 180

2.8 Examination/ Evaluation Reforms initiated by the Institution

Bar Coding
 Double valuation
 Photocopy of answer books to students
 Secured Online Question paper delivery system (SOQPDS)
 Online tracking of all letters and question papers

2.9 No. of faculty members involved in curriculum restructuring / revision/ syllabus development as member of Board of Study/ Faculty/Curriculum Development workshop 608

2.10 Average percentage of attendance of students 88%

2.11 Course/Programme wise distribution of pass percentage :

NOTE: For the above point 2.11, the details are provided by the respective Heads in the Department-wise AQAR

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

Sl. No.	Programme	Duration	Duration	Beneficiaries
1.	Faculty Development Training Programme	Summer 2015	75	1,782 (Faculty)
2.	Faculty Development Training Programme	Winter 2015	93	2,125 (Faculty)
3.	Anna Edusat	2015-16	42	3,200 (Students)
4.	Web Content	2015-16	Recorded- 1040 Published - 814	53 (Faculty)
5.	One day workshop on "Research Methodology"	22 nd , 23 rd , 27 th and 29 th January 2015	4 days	207 (Faculty & Students)
6.	Three day workshop on Implementing Choice Based Credit System in Higher Educational Institutions	11 -13, June 2015	01 3 days	300 (Faculty)
7.	Two Day Bridge courses on English, Mathematics and Physics – 4 Batches	22-30, June 2015	04 9 days	1,148 (Faculty)
8.	AU FDTP - NASSCOM - Foundation Skills in Integrated Product Development (FSIPD)	9 - 13 July 2015	03 5 days	79 (Faculty)
9.	One day workshop on "Research Methodology"	12 th September 2015	01	109 (Faculty & Students)
10.	A-View - Lectures of various colleges have been telecasted in live interactive mode.	September – November 2015	01 3 months	2,000 (Students)
11.	One day workshop on Kanithamiz Peravai Jointly with Tamil Virtual Academy (Erstwhile Tamil Virtual University)	30 th October 2015	01	65 (Faculty)
12.	AU FDTP – NASSCOM- “ Foundation Skills in Integrated Product Development (FSIPD)	26 th – 30 th March 2016	01 5 days	35 (Faculty)
13.	Faculty Development Training Programme	Summer 2016	71	1,645 (Faculty)

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	331	339	1	-
Technical Staff	412	281	-	-

Criterion – III

3. Research, Consultancy and Extension

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

- **Centres for Promoting Research:**

- Centre for Research
- Centre for Intellectual Property Rights
- Centre for University-Industry Collaboration
- Centre for Technology Development and Transfer

With the help of the above centres, many autonomous Research Centres are involved in active Research, to name a few:

- Centre for Biotechnology
- Crystal Growth Centre
- Centre for Nanotechnology
- Centre for Energy Studies
- Centre for Water Resources
- Centre for Environmental Studies

- **MoUs signed:** 10 International level MoUs and 6 National level MoUs were signed in 2015-16.
- **Patents:** In the year 2015-16, the University has filed 140 patents and obtained 2 International patents. In total, Anna University has filed 413 inventions for patents and has obtained 41 patents so far.
- **Project Evaluation:** The University is part of Instrumentation Development Programme of DST for evaluating proposals submitted for development of Medical Devices.
- **Technology Development and Transfer:**
 - Leptospirosis kit developed by NHHID was technology transferred to Genomix Molecular Diagnostics Pvt. Ltd. and received Rs. 3,00,000/- as one-time technology transfer fee.

- Mass screening gadget for ophthalmic lesions developed by NHHID was technology transferred to TMI Systems, Bangalore for Rs. 2,00,000/- as one-time tech-transfer fee and 25% royalty on ex-factory price.
- **Sponsored Research:** During 2015-16, 49 sponsored research projects have been sanctioned with a total value of 15.13 crores. A total amount of Rs. 11.25 crores has been received which includes the amount sanctioned during the year for projects sanctioned earlier.
- **Consultancy:** Further Rs.27.48 crores has been generated through consultancy services.
- **Promoting industrial research:**
 - 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.
 - **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.
 - **AU TVS Centre for Quality Management** offers quality related training programmes for industry personnel and hence enables newer collaborations with Industries.

During the interactions with industry, 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	49	104
Outlay in Rs. Lakhs	851	1238	2090	-

3.4 Details on research publications

	International	National
Journals	557+137	26+2
Conference proceedings	36	125

3.5 Details on Impact factor of publications

Overall h-index :

92

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

Sl. No.	Nature of the project Major projects	Duration Year	Name of the Funding agency	Total grant sanctioned Rs.
1	"Intelligent Remote Health Monitoring system in Sensor Environment"	2 years	DST	1680000
2	"Theoretical investigations on materials relevant for renewable - energy technology"	3 years	SERB	2016800
3	DST (A WOS-A) "Prediction of synergistic antidiabetic events by in vitro gene expression profiling illustrated of phytochemicals of trigonella foenum (Fenugreek seeds)"	3 years	DST	2893000
4	SERB "Pd/M (M=Sr, Nio, Ceo, and Mno) nanoparticles decorated CNT on graphene supported catalysts for fuel cell applications"	3 years	SERB	2300000
5	AERB "Synthesis of chitosan based plectrolyte ultrafiltration membrane for the remediation of cesium from aqueous media"	3 years	AERB	2411820
6	ICMR "Developing human cell based multigene promoter fluorescent protein fusion - Receptor"	1 year	ICMR	3560500

	genotoxicity assay"			
7	DIT - ISEA "Information security education and awareness project Phase II"	4 years	DIT	14810000
8	SERB "Development of novel nanostructured corrosion resistant hybrid materials for biomedical applications"	3 years	SERB	3456800
9	DST "Role of nanotechnology in augmenting the thermal performance of a solar collector system integrated with PCM based thermal energy storage system for space cooling applications"	3 years	DST	6132325
10	SERB "Disc like conjugated p - stacking mole cules for organic electronics"	3 years	SERB	2906800
11	UGC "Design and development of morobial biopotymer production"	3 years	UGC	964000
12	SERB "Bioassay guided fractionation of proteins / peptides from marine resources, structural characterization and Evaluation as Therapeutic lead against Nosocominal pathogens and as Neutraceutical suppliement"	4 years	SERB	5339200
13	UGC "Design and online implementation of soft sening and state estimation schemes on benchmark processes"	3 years	UGC	1390000
14	"Investigation on perovskites based solar cells"	3 years	DST	4139960
15	UGC "Petroleum pitch as binder material in anode manufacturing"	3 years	UGC	1495000
16	UNICEF "Behaviour change communication on Handwashing and sanitation practices among children in Tamil Nadu"	1 year	UNICEF	576200
17	UGC "Synthesis of water soluble dendritic ligand modified quantum dots for sensing toxic metal ions"	3 years	UGC	1364100

18	“M.Tech. Programme in Nano Science & Technology (Duration: 2 years) with annual intake of 20 regular students at the Anna University, Chennai”	6 years	DST	46260000
19	ICMR "Development of bone graft material based on electrospun sulphonated poly Ether ketone/nano hydroxyapatite (SPEEK/nHA) composites"	3 years	ICMR	894100
20	UGC "CO2 Gas separation from fuel and flue gas using composite membranes"	3 years	UGC	1572000
21	SERB "miRNA as a potential diagnostic biomarker of diabetic foot ulcers"	1 year	SERB	1107300
22	BRNS "Exploring the role of nanoparticles in ameliorating radiation -induced toxicity"	3 years	BRNS	2360400
23	"Study of endothelial dysfunctions of breast cancer patients under chemotherapy"	3 years	DBT	2595000
24	"Design and development of Automated External Detibrillator"		DST	3166600
25	"Role of miR-15a amd ,oR-16 in the pathogenesis and resolution of experimentally induced-lung fibrosis"	3 years	SERB	2060000
26	DST (NRDMS) "Development of the framework for networking programme on "Village information system (VIS) under NRDMS"	2 years	DST	2620000
27	UGC - DAE "Tuning of optical, Electrical properties and fabrication of Graphene-Ternary copper semiconductor Nanocomposites for Next Generation photovoltaics"	3 years	UGC	790200
28	SERB "Exploring novel pathways involved in oxidized low density lipoprotein (oxLDL) induced vascular smooth muscle cell (VSMC) foam cell formation in atherosclerosis and phamacological effects of mitochondriatargeted antioxidant - mitro TEMPO"	3 years	SERB	4015000

29	UGC-DAE-CSR - "Investigation of Graphene-Polymers-nanoparticles system using Neutron and Dielectric spectroscopy"	3 years	UGC	135000
30	"SERB "Studies on Creep Properties of iron based nanostructures oxide Dispersion strengthened (ODS) Alloys"	2 years	SERB	1802400
31	DST (NRDMS) "INSPIRE - Initiative on Naturally - Special People's Information Resource Engineering"	2 years	DST	1064000
32	ICDS "Development of Child Tracking and monitoring system through software under ICDS on Pilot basis in the two districts of Erode and Cuddalore"	6 months	ICDS	625000
33	SERB "Development of Magnetic Polyherbal Formulation for Targeted Therapy of Breast Cancer"	2 years	SERB	1100000
34	DST "Enhancement of groundwater Recharge by Soil Ventilation"	3 years	DST	2439000
35	"Impacts of Climate Change on Fluvial and Pluvial Flooding in Selected Area of Chennai Metropolitan Area"	1 year	SPC	1979150
36	SERB "Development of a High performance Diesel Engine Fuelled completely with Green Diesel Produced from pyrolysis of Biomass waste"	2 years	SERB	1100000
37	DST "Development of low cost sweep VEP system"	2 years	DST	4480000
38	UGC "Experimental Investigation and controlling of Diesel particulate Emission by using active Regeneration Technique"	3 years	UGC	1312000
39	SERB "A DFT investigations of the dependence of 19F CSA tensor parameters of fluorinated SWCNTs on variation of diameter, Length and absorbed impurities"	3 years	SERB	2173000

40	SERB "Exploring and targeting Cross-talk between interleukin-18 (IL-18) and hydrogen sulfide (H ₂ S) as a potential treatment strategy for the atherosclerosis"	1 year	SERB	550000
41	UGC - Start-up-Grant "Synthesis of size controlled iron oxide nanoparticles with improved magnetic property and its characterization: Application to magnetic hyperthermia optimization"	1 year	UGC	600000
42	UGC - Start-up-Grant "fluorine modification of the surface of Nanotubes: Theroretical and Experimental Investigations of Bandgap"	1 year	UGC	600000
43	TVA "Event Entity Profiling from Tamil Documents - A mobile Application"	1 year	TVA	2500000
44	UGC "Hydrothermal synthesis of biopolymer supported inorganic nanomaterials / composites for nitrate and phosphete removal from water"	3 years	UGC	1037600
45	CoC "Delineation of flood inundation and reconstruction of flood Depth of Chennai Floods dec 2015 using microwave satellite Data and Field Data"	6 months	CoC	256450
46	CoC "Mapping of water inundation areas based on satellite data for Chennai Corporation limit"	6 months	CoC	258750
47	IUAC "Swift Heavy Ion Irradiation Effects on Multiferroic properties of pure and Rare Earth Doped Bismuth ferrite Thin Films"	3 years	IUAC	75000
48	UGC "Effects of combustor exit profile in tip and platform with film cooling effectiveness"	3 years	UGC	1440500
49	DRDO (CARS) "Development of spread spectrum-CDMA based transceiver using AD9361 platform"	1 year	DRDO	990000
				151394955

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-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges : NOT APPLICABLE

3.10 Revenue generated through consultancy

Revenue generated through Testing:

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 Univ/College

Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	19
	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

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: (Anna Centenary Fellowship)

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

No. of students participated in NAVY events:

University level State level
 National level International level

3.23 No. of Awards won in NSS:

University level State level
 National level International level

3.24 No. of Awards won in NCC:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

No. of Awards won in Navy: (Scholarship)

University level	Nil	State level	8
National level	Nil	International level	Nil

3.25 No. of Extension activities organized

College forum	2	NCC	4	NSS	12
YRC	4	NSO	1	IMO	1

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

- i. CEG Tech Forum – Kurukshetra January 2016
- ii. Art Society- Techofes February 2016 and AGNI 2015 (INTRA)
- iii. Students Associations- Fresher’s Day Celebrations 2015.
- iv. Workshop on Green Building concepts have been organized under exteior and outreach programme during 8.10.2015 & 9.10.2015 in SAP campus

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Sl. No	Name of Work	Estimate Amount	Plinth Area of Construction	Date of Inauguration	Source of fund
1	Construction of Hostel Block for Under-Graduate Men Students at Main Campus, Anna University, Chennai-25	Rs.964.63 Lakhs	4977 Sq.m	30.11.2015	University fund
2	Construction of Hostel Block for Under-Graduate Women Students at Main Campus, Anna University, Ch-25.	Rs.964.63 Lakhs	4977 Sq.m	30.11.2015	University fund
3	Construction of New Administrative Block at MIT Campus, Anna University, Chennai -44	Rs.1246.15 Lakhs	4833 Sq.m	30.11.2015	University fund
4	Construction of Hostel for Under-Graduate Women Students at MIT Campus, Anna University, Chennai-44	Rs.940.50 Lakhs	4390 Sq.m	30.11.2015	University fund
5	Construction of New Dining hall for the Hostel for men in the MIT Campus, Anna University, Chennai-44	Rs.1000.00 Lakhs	4797 Sq.m	Work completed.	University fund
6	Construction of Gas Room and Boiler Room for Dining hall for the Hostel for men in the MIT Campus, Anna University, Chennai-44	Rs.9.65 Lakhs	105 Sq.m	Work completed.	University fund
7	Construction of High Tension Room for International Student Hostel at MIT Campus, Anna University, Chennai-44	Rs.45.00 Lakhs	165 Sq.m	Work completed.	University fund
8	Construction of an Additional Building for Instrumentation Engineering Department in the MIT Campus, Anna University, Chennai-44	Rs.832.00 Lakhs	4273 Sq.m	Work completed.	University fund
9	Proposed Construction Of A Warehouse For Controller Of Examinations At Main Campus, Anna University, Chennai-25	Rs.610.00 Lakhs	2750 Sq.m	Work completed.	University fund
10	Proposed Construction of Additional Building for Rubber and Plastic Technology at MIT Campus, Anna University, Chennai-44	Rs.325.00 Lakhs	1700 Sq.m	Work completed	University fund
11	Proposed Construction of Second floor and Third floor over the existing Computer Technology Building at MIT Campus, Anna University, Ch-44.	Rs.287.00 Lakhs	1568 sq.m.	Work completed	University fund
12	Proposed Construction of Second floor and Third floor over the existing Electronics Annexe Building at MIT Campus, Anna University, Chennai-44	Rs.162.00 Lakhs	830 sq.m	Work completed	University fund

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 library management system is fully computerized with commercial software called AUTOLIB. It is fully integrated multi-user software on Windows environment capable of handling lakhs of records. All the section activities such as Circulation, Acquisition, Technical and Periodical section are computerized by this software.

On-line Public Access Catalogue (OPAC) facilities are available near the circulation counter in the ground floor and at various other places in the library. These OPAC terminals are user-friendly, informative and have the following features.

- A powerful document search engine
- Locates the status of the book in the Library
- Displays all available books of an Author
- Displays the borrowers status (no. of books borrowed and also overdue charges)

4.3 Library services:

For Points 4.4 and 4.5, the details pertaining to the individual departments are provided by the respective Heads in the Department-wise AQAR

4.4 Technology up gradation

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

Several Student Support services are available in the University with complete involvement and cooperation from the IQAC. The awareness among students about the support services is created through various methods, namely:

- **University Information brochure**
- **University Website**
- **Academic calendar**
- **Circulars**

IQAC contributes to these activities by way of periodic advice and encouragement. Following are some of the major student support activities of the University:

Technical Festivals: Hallmark annual technical festivals of various campuses such as KURUKSHETRA, TECHOFEST and MITAFEST have earned international recognition for its intellectual content and benefits to the student community.

Extra-curricular activities: A number of activities are regularly conducted for students through NSS, NCC, YRC, Rotaract, Leoclub, Green Brigade, Literary Club, Computer Robotics club, Quality club, etc.

Financial support for Student innovative projects: Centre for Technology Development and Transfer has introduced "Student Research Support Scheme" for encouraging students to undertake innovative research projects with financial support.

Placement Training: IQAC along with the Centre for University - Industry Collaboration, offers several support activities towards student placements. The activities include conduct of training programmes, pep-talks, mock online tests and mock interviews. Apart from these, internships, industrial visits and industry-oriented projects are also arranged. The information is passed on to the students through student representatives.

Extra-curricular activities: Students take active part in running their mess and in hostel upkeep, willingly become representatives of extracurricular bodies to involve in organizing various activities ranging from cultural festivals to NSS camps.

Students Quality Club: Through Students Quality Club, where student come from different branches and different years, string of programs are conducted to enhance their skills. A Student studying in the University departments, Anna University (CEG, ACT, SAP & MIT) can become a member of Student Quality club.

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

5.2 Efforts made by the institution for tracking the progression

- ARMS - Academic Record Maintenance System is used for updating the attendance of the students and for tracking the performance of the students in the assessment tests and exams.
- A student's parent can track the progress of the ward through login.
- The students can use online facilities to pay the fees, download their hall ticket and view / download their results.

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 2015-16.

- One week course on “**Python Skills**” required for IT industry was conducted during 02.02.2 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 beneficiaries

160

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
166	2733	1719	113

5.8 Details of gender sensitization programmes

(i) “Sensitizing women towards the importance of Breast Feeding” on 13th August 2015 between 2.00 pm to 5.00 pm for the staff both teaching and non-teaching and the men and women students of Anna University. This programme was organized by the Centre for Empowerment of Women in coordination with the Centre for Food Technology, Anna University and Nutrition Society of Tamilnadu, Chennai chapter. The talk was given by Dr.A.J.Hemamalini, Head, Department of Clinical Nutrition, Sri Ramachandra Medical University, Chennai.

Dr.S.Lakshmi, Director, CEW welcomed the gathering. Dr.Rama Narayanan, Convener, Nutrition Society of India (NSI) addressed the gathering. Dr.Usha Antony, Professor, Centre for Biotechnology and Co-Convener, NSI proposed the vote of thanks. This programme was intended to create and spread awareness about:

- Need and importance of breast feeding
- Health benefits to baby and mother
- Health and economic benefits to the community and nation.

Nearly 100 Participants both men and women staff and students took part in this programme and were sensitized on this topic.

(ii) A Programme on “Women Entrepreneurship Challenges and Opportunities” was organized in coordination with the Entrepreneurship Development Cell, AC Tech campus working under the auspices of the Centre for Entrepreneurship Development on 15th September 2015 from 2.30 pm to 5.30 pm in the AC Tech campus. Around 200 students participated in this programme and benefitted. This programme aimed to sensitize the women students and men students about the challenges in becoming entrepreneurs and also various opportunities available to them. Dr.(Mrs).I.S.Parveen Sultana, Renowned Orator and Tamil scholar gave the lecture to both men and women students.

(iii) One day student convention programme on the theme “Make it happen – Digitally” was organized by the Centre for Empowerment of Women, in coordination with CED, Anna University, Aakriti – CEG Girls’ Forum and Empowering Women in IT (Ewit), on 29th September 2015 at TAG auditorium from 8.30 am to 5.30 pm. Totally about 500 Girl students and also boy students from third year of ECE and IT, Computer Science, Instrumentation of CEG Campus and MIT Campus of Anna University participated in this programme and Girl students from the member colleges of Anna University also participated in this programme. This one day student convention targets women students as participants who are aspiring for a career in IT and ITeS to see how each women can make it happen digitally to reach the top in a career. In this one day student convention, there were many sessions such as mock interview, get ready for corporate life, methods to be fit physically and mentally, decide whether you want to be a job provider or a seeker, how women can use social media safely and lot more. Chief guest for this programme was Dr.S.Ganesan, Registrar, Anna University. Dr.Sanjay Tyagi, Director, STPI, the Guest of Honour. The other speakers were Mr.Sujith Kumar, HR Business Leader, Infosys, Nutrition and Wellness expert, Dr.Purna Shankar, Maria Fatima Josephine. Dr.Anbu Rathinavel, Senior V.P & Dean, Finance Academy, Scope International. A Panel Discussion between the College Principals and corporate HRs on the topic “Enhancing synergy between the corporate and colleges” was also held. An apps contest for the students was also conducted and the awardees were felicitated during this event.

5.9 Students Activities

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

State/ University level	469	National level	05	International level	05
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No. of students participated in cultural events

State/ University level	-	National level	-	International level	-
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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

CEG:

Description	Number of students	Amount
Financial support from institution	106	1,52,550
Financial support from government	3170	4,38,11,731
Financial support from other sources	42	13,27,800
Grand Total 9(1+2+3)	3318	4,66,65,081

MIT

Details	Number of students	Amount
Financial support from institution	38	5,00,400
Financial support from government	1197	1,95,07,283
Financial support from other sources	98	22,78,000
Number of Student who received International recognitions	20	-
Number of Student who received national recognitions	60	9,51,600

ACTECH:

Details	Number of students	Amount
Financial Support from institution	32	3,98,400/-
Financial Support from government	620	15,969,720
Financial Support from other sources	42	5,10,000/-
Number of students who received International /National recognition	0	0

SAP:

Details	Number of Students	Amount (Rs.)
Financial support from institution Dr.M.G.R. and Thiru Quaid-E-Milleth Endowment Scholarship	9	72000
Anna University Chennai Student Welfare Endowment Scholarship	1	25000
Financial support from government BC/MBC Scholarship	20	161250
SC/SC/SC(A) Scholarship	13	522700
Total	33	683950
Financial support from other sources GATE M.Arch. General	9	1082400
M.Plan.	8	752400
Total	17	1834800
Number of Students who received International / National recognition	5	-

5.11 Student organised / initiatives Dir IQAC

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 are interdisciplinary in nature. Board of studies meet periodically to develop the curricula for new programmes as well as to review the existing programmes. The Curriculum is periodically reviewed in accordance with the institutional goals and objectives and external experts are also involved in updating the curricula and syllabi. Computer programming and practice courses are introduced to all the first year undergraduate students. Conduct of Certificate courses to meet the emerging / changing trends are being strengthened. The best curricular diversity in technical education is adopted with rare-to-find and innovative courses in specialized or emerging or industrially important areas. Regular and frequent revision of the syllabi are done by experienced researching academicians and active industry experts.

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 try to make the 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 faculty who are activity engaged in research 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 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 and continuous assessment through the internal tests and an end semester examination provides adequate scope to bring out the strengths and weaknesses of a students and therefore to improve on that. Subject-wise compulsory and detailed feedback from students on the quality and overall performance of the teaching faculty and its review by the Head of the Department and Vice Chancellor himself help in the improvement of the faculty. Course Committee consisting of faculty and student representatives helps to monitor the academic progress and quality of a class every semester for each branch.

6.3.3 Examination and Evaluation

- Equal weightage for Continuous assessment and examination (50 percent)
- Transparent procedures for the conduct of examinations and evaluation.
- Systematic and well-organized procedures to address students' grievances relating to examination.
- Bar coding for answer sheets
- Central Valuation for end semester exams
- Option for re-valuation
- Photocopy of answer scripts provided to students on demand
- Secure online question paper delivery system (SOQPDS)
- Online Tracking of all Questions Papers and all academic details through Academic Records Management System (ARMS) software
- Declaration of results within a month from the last exam

6.3.4 Research and Development

- University has provided Anna Centenary Research scholarships for 130 full time Ph.D. scholars during 2015-16.
- Young faculty members are encouraged to undertake research by providing seed money. Sufficient infrastructural facilities with periodic augmentations are provided for R&D.
- 49 R&D projects with funding from external agencies are currently under progress in various departments of the University
- The Internal Quality Assurance Cell along with Research Centres such as Centre

for Technology Development and Transfer, Centre for Research and Centre for Intellectual Property Rights provide active leadership initiatives in research fund mobilization.

- Research funds administration and accounting are 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.
- National facilities such as National Hub for Healthcare Instrumentation Development (NHHID) and National Centre for Sustainable Coastal Management (NCSCM) have been established pursue inter-disciplinary research with holistic focal areas.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library facilities:

	Existing 2014-15		Newly added 2015-16		Total 2014-15 & 2015-16	
	Nos.	Value (Rs.)	Nos.	Value (Rs.)	Nos.	Value (Rs.)
Text Books	1292	8,13,428/-	1314	7,40,671/-	2606	15,54,099/-
Reference Books	157	10,07,307/-	272	12,38,604/-	429	22,45,911/-
e-Books	87	13,10,403/-	925	22,27,471/-	1012	35,37,874/-
Journals Print	Indian : 110 Foreign: 101	2,26,289/- 36,58,987/-	Indian : 112	2,31,920/-	323	41,17,196/-
E-Journals:	IEEE Journals, Science Direct Subject Collection	87,47,282/-	IEEE Journals, Science Direct Subject Collection, SAE Journals	1,20,12,548/ -	IEEE Journals, Science Direct Subject Collection, SAE Journals	2,07,59,830/ -
CD & Video	--	--	--	--	--	--
Others	Nil		Nil		Nil	

ICT:

- **Digital Knowledge Centre (DKC)**

A full-fledged Digital Knowledge Center (DKC) functioning with 50 computers in the library. The DKC is a gateway to the world of e-resources and one-stop shop for nascent information handling, transfer and a boon to the knowledge seeker. The University Library web page is maintained by a competent team of library professionals. It is updated every week. The following link opens up the Library web page <http://www.annauniv.edu/Library/index.html>. The University Library is subscribing e-resources such as IEL online, Science Direct subject collection, Scopus Database and SAE Internationals journals. In addition to the subscribed e-resources, the users can also access the e-resources available under e-ShodhSindhu: a Consortium for Higher Education Electronic Resources initiated by MHRD and executed by INFLIBNET Centre, Ahmedabad. Our University ranks 7th place in e-resources usage in all over India and stands 1st place in Tamil Nadu.

Under e-Shodhganga project by INFLIBNET Centre, Ahmedabad the theses and dissertations submitted by our research scholars are available in open access to the academic community world-wide. In this digital repository project our University has ranked 4th out of 280 contributing universities for uploading the thesis by submitting 3917 number of thesis. The INFLIBNET Centre has provided a facility to our Research Scholars to check their thesis for duplication before submission by using an anti plagiarism tool called URKUND.

- **Infrastructure Facilities:**

- **Career Guidance Cell (CGC):** A Career Guidance Cell has been initiated in the University library for the benefit of outgoing student by providing career guidance information. This CGC is having a collection of around 10,000 aptitude books and also other career guidance materials for various competitive exams.
- **Renovated Closed Reference Section:** The closed reference section in the library has been renovated with all facilities and the collections are also strengthened by adding new books.
- **Audio-Visual Room:** The Closed Reference Section in the University library has been renovated with all facilities such as modernized book rack, Wi fi connection and Air conditioners. The reference collections are also strengthened by adding new books.

6.3.6 Human Resource Management

Faculty Development Programmes for Teaching staff on Training the trainees - in collaboration with NASSCOM, Microsoft.

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

- Around 166 Companies visited AU-CUIC and recruited 1324 UG Students and 395 PG students with a salary package ranging from Rs.3.25 Lakhs to Rs. 24 Lakhs per annum.
- Around 36 Companies offered 97 internships to UG Students and 73 internships to PG students with stipend ranging from Rs.10,000/- to Rs.50,000/- per month.
- Conducted Tamil Nadu State Level Placement Program (TNSLPP) at different zones, for the benefit of students from affiliated Engineering Colleges and University / Constituent Engineering Colleges under Anna University. Around 1640 students were placed in 9 drives.

Other Major collaboration activities (01.05.2015 to 30.06.2016):

➤ **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.18 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 Engineering 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 29th & 30th July 2015 and 3 teams were adjudged for

prize money. 1st and 2nd Prize were bagged by the students CEG and 3rd prize to students of SSN College of Engineering.

- CUIC, Anna University jointly with **M/s Xome (Solutionstar)** to establish a Research Lab at CUIC, AU Main Campus to conduct collaborative multi-disciplinary research relating to mathematical modeling, simulation, and product development (“Research Project”).
- M/s **Cognizant** has agreed with CUIC, Anna University to set up a state-of-art Security Research Lab worth **Rs.29.90 Lakhs** at Anna University, to explore security threats and mitigations in the networked world. This lab will enable the students and faculty of the departments of CSE and IST to collaborate with security practitioners from Cognizant to address the security challenges of smart and digital India.
- Ms. C. Shraddha, B.E. – Aeronautical Engineering, MIT Campus received the Best Outgoing Student Award from M/s TCS.
- Mr. Prashant Anantharaman, Mr. Vinay Sreenivas, Mr. Lakshmi Narayanan R of B.E – Computer Science & Engineering, CEG Campus for the Project Titled “Code Compaction in LLVM IR” received the Best Project Award from M/s TCS.

6.4 Welfare schemes for

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
Non teaching	Educational loans Residential quarters AnnaGem Science park school for children Festival advanc
Students	Scholarship Research fellowship Tuition fee concession State welfare scheme to make every student possess a computer and empower them with IT power.

6.5 Total corpus fund generated:

Through Consortium	: Rs. 5,07,00,000/-
Through Endowment	: Rs. 31,85,166/-

Total	: Rs. 5,38,85,166/-

6.6 Whether annual financial audit has been done:

Audit completed till 2012-2013

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Professors from Academic institutions	Yes	D-AC
Administrative	Yes	A.G.Audit	Yes	Internal Audit & Concurrent Audit

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

In the MIT Campus, the Alumni association has given financial support to 79 numbers of B.E/B.Tech (I to IV years) Donate books worth of Rs 2,00,000/- and installed a bore well with pump

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

Parents are informed about the students progress through KDC.

6.13 Development programmes for support staff

Administrative staff members are provided periodical training on Office management, drafting of letters and reports, operation and maintenance of office equipment such as LCD projector and copier, University procedures to be followed for purchase, etc. They are also trained in essential software packages such as word processing software and spreadsheets

Technical staff members are provided training by the respective departments on Lab equipment maintenance, stock register maintenance, stock verification, periodical calibration / service of lab equipment, etc.

The specific training programmes conducted for support staff are presented by the respective department heads in the Department-wise AQAR.

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

- Planting of trees during functions
- Use of renewable energy such as solar energy
- Landscaping
- Renovation of old buildings
- Children day-care centre and recreation centre
- Efforts are taken for Carbon Neutrality
- Rain water harvesting
- Water recycling
- Steps initiated for e-waste management and green computing

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 for both UG and PG programmes of University Departments
- Expert video Lectures provided through A-View 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

- **Academic:** Initiatives were taken by IQAC for the conduct of Academic Audit and accordingly Academic Audit was completed in August 2016 for the academic year 2015-2016.
- **Research:** The Departments were encouraged to apply for funding from DST-FIST and UGC and circulars were issued.
- **Student Progression:** The Academic Calendar for the Year 2016-17 was finalized and distributed to the students.
- **Governance:** Initiatives were taken for revision of Finance and Accounts Manual.

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

1. Website of the Centre for Research with facility for Online Status Checking
2. Academic Records Management System (ARMS) with facility for person and time based locking for enhanced security
3. Knowledge Data Centre for facilitating students and Faculty members to provide software solutions for sharing databases and for administrative and academic transactions

Please Refer Annexure II for details of the above Best Practices

7.4 Contribution to environmental awareness / protection

1. World Environment Day June 2016 was celebrated in the Centre for Environmental Studies on June 9m 2016 in the Seminar Hall. Dr. S.Kanmani, Director welcomed the chief Guest, Faculty members and students. Director greeted the chief guest by delivering an introduction about the chief guest. Dr. Kurian Joseph, professor - welcomed the Chief Guest with a bouquet and Dr.N.Vasudevan, pofessor greeted the Chief Guest a momento. Thiru J. Venkatesh, Senior Deputy General Manager (Civil), Business Development and Proposals, Water Supply and Distribution, L & T Conitruction was the Chief Guest who graced the occasions. The Chief Guest delivered Lecture on the topic of attaching AMR Meter to the water supply and Distribution Service. He narrated by attaching th6 AMR Meter, we could monitor the water leakages, water usage by the individuat hoJses, water theft and also the water cost for each and every house-individually and also by using this meter, we could prevent the entry of wastewater into the water transmiision -pipe. Participants were Centre for Environmental Studies Facutty members, Research Scholars, M'E Environmental Management and Engineering students. More than 40 students attended the function. Finally Mrs. K. Soundaranayaki, Assistant Professor delivered the vote of thanks. The function came to an end by Refreshments.

2.National conference on Environment, Health and safety in tnidustries (EHSI 2015 during 10-11 September 2015

The prime objective of the conference was to inculcate the importance of clean Environment, Healthy and Safe working conditions, Environmentat and Health Risks Assessment and its Management Aspects. The participants of the conference were process Engineers, Plant in-charges, Effluent Treatment Plant in-charges, Heads of Environment Cell and safety officers from Industries, Academicians and Research Scholars from across the Nation. There were totally 78 participants attended the conference.

3. World Environmental day was celebrated on stn 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, OnePlanet, and Consume with Care and finally prizes were distributed to the winners.

4. The Centre for Environmental studies is having collaboration with many industries in order 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 other aspect of the environment (such as making buildings Crumble), carbon monoxide, Sulfur dioxides are the important air Pollutants

To identify the problem the environment the centre for Environmental studies is offering Consultancy services “ 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 Pollution Control Board, Tamilnadu water Supply and Drainage Board, Chennai Water Supply and Sewerage Board, Chennai Metropolitan Development Authority and Tamilnadu products Ltd.

7.5 Whether environmental audit was conducted?

NO

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

SWOC ANALYSIS (Please Refer Annexure III)

8. Plans of institution for next year

- About Rs.100 crores is planned to be earmarked for development of infrastructure pertaining to science, engineering and, technology and Power Generation from solar energy.
- Rs.20 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

PART B

DEPARTMENTWISE DETAILS

- CEG CAMPUS

5.1 Civil Engineering

5.1.1 Dept. of Civil Engineering

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	1	NA	NA	NA
PG	12		4	
UG	5		2	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	17		6	

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	17
Trimester	
Annual	

1.3 Feedback from stakeholders Alumni Parents Employers Students yes
(On all aspects)
 Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

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

CBCS- CHOICE BASED CREDIT SYSTEM

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

NA

Criterion – II

2. Teaching, Learning and Evaluation

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. Civil	55	10	20	12	0	76
B.E. Civil (Tamil Medium)	59	12	22	13	0	80
B.E. Civil (Part Time)	48	--	28	9	0	77

5.1.2 Centre for Water Resources

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	NA	NA	NA	NA
PG	3	-	-	-
UG	1			
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	4			

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	4
Trimester	
Annual	

- 1.3 Feedback from stakeholders Alumni Parents Employers Students yes
 (*On all aspects*)
 Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

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

CBCS- CHOICE BASED CREDIT SYSTEM

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

NA

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. Of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
18	8	4	6	-

2.2 No. of permanent faculty with Ph.D.

15

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	-	-	-	-	-	-	-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	5	5	12
Presented papers	4	3	1
Resource Persons	0	7	1

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

264

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 %
A&IENGG (UG)	26	8	20	1	0	0
HWRE	20	2	0	0	0	0
IWRM	18	2	16	0	0	0
IWM	19	6	13	-	-	-

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

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	12	-	-	2
Technical Staff	18	-	-	-

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	02	02	04	02
Outlay in Rs. Lakhs	10.68	119	129.68	10.68

3.2 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	03	04	02
Outlay in Rs. Lakhs	0	65.28	65.68	0

3.4 Details on research publications

	International	National	Others
Peer Review Journals	08	10	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	07	02	3

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	3	UGC,SPC,AERB	187.28	187.28
Minor Projects	1	PWD	4	4
Interdisciplinary Projects	-	-	-	-
Industry sponsored	1	L&T	1.2	1.2
Projects sponsored by the University/ College	-	CTDT	0.5	0.5
Students research projects (other than compulsory by the University)		-	-	-
Any other(Specify)	-	-	-	-
Total	6	-	192.98	192.98

3.10 Revenue generated through consultancy

7.97 LAKHS

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

3.13 No. of collaborations International National Anyother

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :
From Funding agency From Management of University/College

Total

3.17 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	1	2	-	1	-	-

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

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	33	16	10	-	-	7	-	12
Added	01	01	-	-	-	-	-	-
Total	34	-	-	-	-	-	-	-

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

UG	PG	Ph. D.	Others
52	71	2	0

(b) No. of students outside the state

6

(c) No. of international students

7

No	%
40	32.5

No	%
85	69.1

Last Year						This Year					
General	S C	S T	OB C	Physicall y Challeng ed	Tota l	Gene ral	S C	S T	O BC	Physic ally Challe nged	Total
						11	20	1	93	0	125

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	5	180000/Person/yr
Financial support from government		
Financial support from other sources		
Number of students who received International/ National recognitions		

5.1.3 CENTRE FOR ENVIRONMENTAL STUDIES

Part – B

Criterion – I

I. 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	3			
PG	2			
UG				
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	5			

Interdisciplinary				
Innovative				

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

Criterion – II

Pattern	Number of programmes
Semester	2
Trimester	
Annual	

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
13	06	01	06	

2.2 No. of permanent faculty with Ph.D.

09

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
02									

2.5 Faculty participation in conferences and symposia:

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

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 Environmental Engineering	21	50%	50%			
M.E Environmental Management	21					

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	3			
Technical Staff	9			

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		VA TECH WABAGE	2,72,000	
		UGC	8,42,000	
		UGC-MRP	15,72,000	
		TNPCB	2,50,000	
Outlay in Rs. Lakhs				

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

3.4 Details on research publications

	International	National	Others
Peer Review Journals	32	5	
Non-Peer Review Journals			
e-Journals			
Conference proceedings			

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	2012-15	VA TECH WABAGE	2,72,000	
	2012-15	UGC	8,42,000	
	2015-18	UGC-MRP	15,72,000	
	2014-15	TNPCB	2,50,000	
Minor Projects				
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			29,36,000	

3.10 Revenue generated through consultancy

1,31,89,775

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

4

3.18 No. of faculty from the Institution

5

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

27

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 12

SRF 4

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.		7	University funds	3,00,000
Value of the equipment purchased during the year (Rs. in Lakhs)				
Others Printer , UPS, furniture		6	University funds	14,50,000

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	5364		14	68361.72	5378	68361.72
Reference Books						
e-Books						
Journals			2			
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	28	11	LAN-1GBPS			3		14
Added	1					1		
Total	29	11				4		14

4.6 Amount spent on maintenance in lakhs :

i) ICT	
ii) Campus Infrastructure and facilities	
iii) Equipments	2,00,000
iv) Others	3,10,000
Total :	5,10,000

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
	40	27	

(b) No. of students outside the state

(c) No. of international students

No	%

No	%

3
1

Men

Women

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
	3		14				3		15		18

Demand ratio

Dropout %

5.5 No. of students qualified in these examinations

NET		SET/SLET		GATE	12	CAT	
IAS/IPS etc		State PSC		UPSC		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
		2	

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision and Mission of the institute

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

1. 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,
2. by introducing high quality academic and research programmes and providing extension services in cutting edge technologies,
3. by ensuring a supportive campus climate with dynamic leadership and development opportunities to meet the needs of students, faculty and staff,
4. by enhancing academic productivity through induction of quality faculty, accelerated graduation, credit banking, augmented continuing education opportunities and adoption of current technology,
5. by sharing the intellectual resources and the infrastructural facilities among the academia from other institutions and among the industrial society, funding agencies and government,

6. by enhancing the collaborative partnership between Industry and Institute for commercializing and transferring the latest technological know-how towards societal development,
7. 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
8. by expanding global participation spread across continents with the aid of interactive satellite based education and the usage of digital library,
9. by enriching the national and international character of the University,
by ensuring efficient administrative co-ordination and effective decision making through necessary reforms and by strategically allocating resources,
10. by benchmarking against technologically sound global leaders with a view towards continuous improvement

Criterion – VII

7. Innovations and Best Practices

7.4 Contribution to environmental awareness / protection

1. World Environment Day June 2016 was celebrated in the Centre for Environmental Studies on June 9th 2016 in the Seminar Hall. Dr.S. Kanmani, Director welcomed the Chief Guest, Faculty members and students. Director greeted the chief guest by delivering an introduction about the chief guest. Dr. Kurian Joseph, Professor welcomed the Chief Guest with a bouquet and Dr.N.Vasudevan, Professor greeted the Chief Guest with a memento.

Thiru J. Venkatesh, Senior Deputy General Manager (Civil), Business Development and Proposals, Water Supply and Distribution, L & T Construction was the Chief Guest who graced the occasions. The Chief Guest delivered Lecture on the topic of attaching AMR Meter to the water supply and Distribution Service. He narrated by attaching the AMR Meter, we could monitor the water leakages, water usage by the individual houses, water theft and also the water cost for each and every house individually and also by using this meter, we could prevent the entry of wastewater into the water transmission pipe. Participants were Centre for Environmental Studies Faculty members, Research Scholars, M.E Environmental Management and Engineering students. More than 40 students attended the functions.

Finally Mrs.K., Soundaranayaki, Assistant Professor delivered the vote of thanks The function came to an end by Refreshments.

2.National conference on Environment, Health and Safety in Industries (EHSI 2015) during 10-11 September 2015

The prime objective of the conference was to inculcate the importance of clean Environment, Healthy and Safe working conditions, Environmental and Health Risks Assessment and its Management Aspects. The participants of the conference were Process Engineers, Plant in-charges, Effluent Treatment Plant in-charges, Heads of Environment Cell and safety officers from Industries, Academicians and Research Scholars from across the Nation. There were totally 78 participants attended the conference.

3. World Environmental day was celebrated on 5th 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.

4. The Centre for Environmental studies is having collaboration with many industries in order 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.

5.1.4 Division Of Structural Engg

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

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

Interdisciplinary				
Innovative				

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

ii) Pattern of programmes:

Pattern	Number of programmes
Semester	√
Trimester	
Annual	

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

Yes, revised in 2015 according to CBCS. Latest software and its applications are added in theory subjects of Post Graduate courses.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
16	3	7	5	

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

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	0	3	2
Presented papers	2	1	3
Resource Persons	0	0	9

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

Class room lectures combined with field visits and seminar talks

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

180

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

6

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 %
M.E Structural Engineering	26	14+1	11	-	-	100%
M.E. Construction Engineering and Management	21	8	12		-	95.2%

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	1
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	-
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc. FDTP	1
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
Technical Staff	54			1

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		

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

3.4 Details on research publications

	International	National	Others
Peer Review Journals	4	0	-
Non-Peer Review Journals	10	5	-
e-Journals	-	-	-
Conference proceedings	2	1	3

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	2012-17	DST	25.00	
Minor Projects	2014-19	UGC	261.20	
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research				

projects (other than compulsory by the University)				
Any other(Specify)				
Total				

3.8 No. of University Departments receiving funds from

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

3.10 Revenue generated through consultancy 2015

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 fellow

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

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	2			
Laboratories	4			
Seminar Halls	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				

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	50	41				2		12
Added								
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

5.2 Efforts made by the institution for tracking the progression

Periodic class committee meetings

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
	98	70	

(b) No. of students outside the state

1

(c) No. of international students

1

Men	No	%
	1	

Women	No	%
	0	

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physical ly Challenged	Total
8	10	0	33	12	51						47

Demand ratio

Dropout %

5.1.5 Division of Soil Mechanics and Foundations Engineering

Part – B

Criterion – I

I. 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	yes			
UG				
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total				

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes - 2
Semester	
Trimester	
Annual	

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

An employment enhancement course called Design Studio is introduced. The objective of the Design Studio is, to train the students to use the various software packages for simulating and analysing the real field problems in Geotechnical Engineering.

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
	5			4	

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

0	0	1
---	---	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/			
Presented papers	Yes	Yes	Yes
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)

Photocopy

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

0	0	5
---	---	---

2.10 Average percentage of attendance of students

80

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
	23	10	10	3w		

2.13 Initiatives undertaken towards faculty development

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

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	5			
Technical Staff	3			

Criterion – III

3. Research, Consultancy and Extension

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

Giving chance to all students to perceive the research programme. Programme is extended to officials working in private and government organizations.

3.4 Details on research publications

	International	National	Others
Peer Review Journals			
Non-Peer Review Journals			
e-Journals	2		
Conference proceedings	2	15	4

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				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College				
Students research projects (<i>other than compulsory by the University</i>)	2014-2015	CTDT, AU	RS 50,000	RS 50,000
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 Yes
 DPE DBT Scheme/funds

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number			1		
Sponsoring agencies			University		

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

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :
 From Funding agency From Management of University/College
 Total

3.18 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

3.25 No. of Extension activities organized
 University forum College forum
 NCC NSS 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	200 m ²			
Class rooms	2			
Laboratories			University	
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)	Rs.25,00,000/-			
Others				

4.2 Computerization of administration and library

Library is computerized.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	750		20	Rs.30,000 /-		
Reference Books			50	Rs.20,000 /-		
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	15	1	10	-	-	1	-	-
Added	-	-	-	-	-	-	-	-
Total	15	1	10	-	-	-	-	-

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

Certain documents are circulated through mail.

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments

iv) Others

-
Rs.5,000/-
Rs.20,000/-
-
Rs.25,000/-

Total :

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
-	18	25	2 (M.S)

(b) No. of students outside the state

4

(c) No. of international students

-

Men

No	%
47	40

Demand ratio -

Women

No	%
11	60

Dropout % 3 Nos.

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
2	2		14		18	2	3	-	20		25

5.4

Details of student support mechanism for coaching for competitive examinations (If any)
No. of students beneficiaries

5.6 Details of student counselling and career guidance: NIL
No. of students benefitted NIL

5.8 Details of gender sensitization programmes

Nil

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	-	-
Financial support from government	04	20,000/-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.1.6 Institute of Remote Sensing

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

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

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	2
Trimester	
Annual	

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

CBCS is introduced in the year 2015

- 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
	12	4	5	3	-

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					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 Seminars/ Workshops	3	12	-
Presented papers	-	-	-
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

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.E. Geoinformatics	35	29	60	03		
M.E. Geomatics and Remote Sensing	31	7	24			31

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	4			9
Technical Staff	12			10

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number			4	
Outlay in Rs. Lakhs			104	

3.3 Details regarding minor projects

	Completd	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

3.4 Details on research publications

	International	National	Others
Peer Review Journals	6		
Non-Peer Review Journals	1		
e-Journals			
Conference proceedings	4	1	

3.10 Revenue generated through consultancy

>10 lakhs

3.17 No. of research awards/ recognition received by faculty and research fellow

Of the institute in the year

Total	International	National	State	University	Dist	College
4	3	1				

3.18 No. of faculty from the Institution

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

5

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

JRF

1

SRF

1

Project Fellows

Any other

1

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	12			
Seminar Halls	2			
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

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
141	84	13	-

(b) No. of students outside the state

(c) No. of international students

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	1	1,92,000
Financial support from government	2	8,62,000
Financial support from other sources		
Number of students who received International/ National recognitions		

Criterion – VI

6. Governance, Leadership and Management

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				

Criterion – VII

7. Innovations and Best Practices

7.5 Whether environmental audit was conducted? Yes No

5.1.7 Institute Of Ocean Management

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	1			
PG	2		1	
UG				
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	3			

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	1
Trimester	
Annual	

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

R2015, CBCS System, CBCS has been introduced, facilitating choice of course as per the requirement of each student

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
2	-Nil-	-Nil-	2	-Nil-

2.2 No. of permanent faculty with Ph.D.

2

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

4	1 - AP /INST-	3 - TF
---	------------------	--------

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	5	12	
Presented papers	2	2	
Resource Persons			

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

1		
---	--	--

2.10 Average percentage of attendance of students

95%

2.11 Course/Programme wise distribution of pass percentage :

Title of the	Total no.	Division

Programme	of students appeared	Distinction %	I %	II %	III %	Pass %
M.Tech Coastal Management	20	8	12			100%

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	-	3
Technical Staff	-	4	-	4

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	2	-	-
Outlay in Rs. Lakhs	56.00	100.00	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	2	-	-
Outlay in Rs. Lakhs	-	12.45	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	2	12	
Non-Peer Review Journals			
e-Journals			
Conference proceedings			

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	2015-16	MoEF	11 .00	11.34
Minor Projects	2015-16	NCSCM	40.00	4.00
		NCSCM	16.00	3.15
		NCSCM	7.25	3.80
		NCSCM	5.20	4.16
Interdisciplinary Projects	--	--	--	--
Industry sponsored	2015-16	L&T Ship Building Pvt. Ltd.	28.55	14.28
Projects sponsored by the University/ College	--	--	--	--
Students research projects (<i>other than compulsory by the University</i>)	2015-16	CTDT, AU	0.50	0.50
Any other(Specify)	--	--	--	--
Total	--	--	97.50	33.74

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	1			
Sponsoring agencies	Univ. of Amsterdam	IOM, AU			

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

Total

Rs. 80.00 lakhs

-

3.18 No. of faculty from the Institution

who are Ph. D. Guides

2

and students registered under them

22

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

2

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	1	-	-	1
Laboratories	2	-	-	2
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)	-	-	-	-
Others (office equipment Xerox machine)	1	1	UNIV.	2

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	726	Rs.1.0 lakh appx.	-	-	-	-
Reference Books						
e-Books						
Journals	26	Rs.0.15 lakhs appx.	-	-	-	-
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	23	-		-	-	4	-	19
Added								
Total	23	-		-	-	4	-	19

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
	42	22	

(b) No. of students outside the state

2

(c) No. of international students

--

Men

No	%

Women

No	%

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
3	4	-	16		23	3	4		15		22

Demand ratio

Dropout % 4.54

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
2	3	2	6

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government	4	Not yet received
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

Mission

Management of ocean and coastal environment and their resources for sustainable livelihood security of coastal and ocean dependent communities and users through research, education and training.

Activities

- Research in areas of Ocean and Coastal Resources Management
- Collection of conventional and non-conventional data and information on various aspects of the coastal zone and oceans
- Operation of a user service in order to disseminate data and information relating to coastal and marine resources utilization
- Exchange of data and information with other institutions in the national and international level through information networks
- Preparation of reports and management plans for coastal and marine area to reconcile the needs of growth and development with concern for environmental quality
- Providing training in methodologies in coastal and marine environment related activities
- Coordination of the operational and research requirement for the State and Central Governments.

As per University norms

1 DST – INSPIRE FACULTY ADDED 3 TF RECRUITED

L & T for consultancy work; INDOMER Coastal Hydraulics Pvt. Ltd. & NIOT for academic activities

Through TANCA

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

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

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

For UG Programmes Yes No

For PG Programmes Yes No

5.1.8 Transportation Engineering

Part – B

Criterion – I

I. 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		--	--	--
UG	--	---	--	--
PG Diploma	--	---	--	--
Advanced Diploma	--	---	--	--
Diploma	--	---	--	--
Certificate	--	--	--	--
Others	--	--	--	--
Total	1	--	--	--

Interdisciplinary	--	--	--	--
Innovative	--	--	--	--

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

Pattern	Number of programmes
Semester	1
Trimester	--
Annual	--

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

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

**Please provide an analysis of the feedback in the Annexure*

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

--

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
5	2	1	2	--

2.2 No. of permanent faculty with Ph.D.

4

2.5 Faculty participation in conferences and symposia:

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

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

3

--

--

2.10 Average percentage of attendance of students

90%

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. Transportation Engineering	17	7	10	--	--	--

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	--
Staff training conducted by other institutions	1
Summer / Winter schools, Workshops, etc.	4
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	3	1	--	--

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	1	--	--
Outlay in Rs. Lakhs	24.00	100.45	--	--

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	1	--	1
Outlay in Rs. Lakhs	2.25	0.25	--	--

3.4 Details on research publications

	International	National	Others
Peer Review Journals	--	1	--
Non-Peer Review Journals	--	--	--
e-Journals	--	--	--
Conference proceedings	--	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	CSIR-CRRI	100.45	80.00
Minor Projects	2016	CoEUT, NIIT	1.00	1.00
Interdisciplinary Projects	--	--	--	--
Industry sponsored		TNSTC, Villupuram	7.00	1.75
		DTCP	43.50	10.87
		IG3 Infra Limited, Chennai	3.30	0.75
		MIR Consultants, Cochin	9.00	2.25
Projects sponsored by the University/ College	--	--	--	--
Students research projects (<i>other than compulsory by the University</i>)	--	--	--	--
Any other(Specify)	--	---	--	--
Total	--	--	--	

3.7 No. of books published i) With ISBN 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	--	2	--	--	--
Sponsoring agencies	--	--	--	--	--

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

3.13 No. of collaborations International National Anyother

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.17 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

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

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	3			
Seminar Halls	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)	0.13			
Others	--			

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	32	13	--	--	--	1	7	11
Added	-	--	--	--	--	--	--	--
Total	32	13	--	--	--	1	7	11

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph D.	Others
	16 + 18 (1 st and 2 nd year students)		

(b) No. of students outside the state

1

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT

IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

5.2 Mechanical Engineering

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
43	20	12	16	

2.2 No. of permanent faculty with Ph.D.

36

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

14

2.5 Faculty participation in conferences and symposia:

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

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	16	9	1	11
Outlay in Rs. Lakhs	128.8	328.22	0	205

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	12	2		
Outlay in Rs. Lakhs	3.4	.75		

3.7 No. of books published i) With ISBN No. Chapters in Edited Books
 ii) Without ISBN No.

3.10 Revenue generated through consultancy

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

4.4 Technology up gradation (overall)

	Total Computer s	Compute r Labs	Interne t	Browsi ng Centres	Compute r Centres	Offic e	Depar t- ments	Othe rs
Existin g	235	51	68	3	10	7	5	-
Added	6	-	-	-	-	-	-	-
Total	241	51	68	3	10	7	5	-

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 Students

UG	PG	Ph. D.	Other s
673 (FT) 179 (PT)	123(FT) 154(PT)	75	

(b) No. of students outside the state students

8

(c) No. of international students

26

UG

Men

No	%
576	86

Women

No	%
97	14

PG

No	%
116	94

No	%
7	6

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	-

9

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

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

2.5 Faculty participation in conferences and symposia:

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

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	4	4	-	-
Outlay in Rs. Lakhs	1,25.000	1,00,000	-	-

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
	-	-	-	-	-	-

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	41	20	41	NIL	NIL	3	12	6
Added	16	10	10	NIL	NIL	NIL	NIL	6
Total	57	NIL	57	NIL	NIL	NIL	NIL	NIL

4.6 Amount spent on maintenance in lakhs :

i) ICT	<input type="text"/>
ii) Campus Infrastructure and facilities	<input type="text"/>
iii) Equipments	<input type="text" value="0.68"/>
iv) Others	<input type="text" value="-"/>
Total	<input type="text" value="0.68"/>

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
156	18	58	-

(b)No. of students outside the state Students

(c) No. of international students

Men	No	%	Women	No	%
	174	75		58	25

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
18	26	-	104	-	148	20	12 9	-	117	-	166

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-4"/>	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
8	2	1	5	-

2.2 No. of permanent faculty with Ph.D.

7

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	0	-	-	-		1

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

-

4 Teaching Fellows

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/Workshops	12	0	0
Presented papers	12	0	0
Resource Persons	3	0	0

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	1	-	3
Outlay in Rs. Lakhs	69.00	56.00	-	125.00

3.11 No. of conferences organized by the Institution

7

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

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

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)

Rs 4,67,432/-

iii) Equipments

Rs 28,91,151/-

iv) Others(PC Purchase)

Rs7,54,700/-

Total

Rs, 41,19,283/-

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	PhD.	Others
151	22	5	Nil

(b) No. of students outside the state Students

(c) No. of international students

Men

No	%
152	88%

Women

No	%
21	12%

Last Year						This Year					
General	S C	S T	OB C	Physical ly Challeng ed	Total	Gene ral	S C	S T	OB C	Physic ally Challe nged	Total
33	-	-	12 8	0.57	188	27	29	-	11 6	1	173

Demand ratio

Dropout %

5.5 No. of students qualified in these examinations

NET

SET/SLET

GATE

CAT

IAS/IPS etc

State PSC

UPSC

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
				0

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

2.4 No. of Guest and Visiting faculty and Temporary faculty

0

0

1

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended			
Presented papers	0	1	0
Resource Persons			

2.10 Average percentage of attendance of students

85%

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

5

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

3

4

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

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	25	1	0	0	0	0	0	0
Added	11	0	0	0	0	0	0	0
Total	36	0	0	0	0	0	0	0

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
106	0	4	0

(b) No. of students outside the state

2

(c) No. of international students

3

Men		No	%	Women		No	%					
		109	99			1	1					
Last Year						This Year						
General	S	S	OB	Physically	Total	General	S	ST	OB	Physically	Total	
	C	T	C	Challenged			C		C	Challenged		
8	19	0	80	0	107							

Demand ratio

Dropout %

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 0 SET/SLET 0 GATE 2 CAT 0

IAS/IPS etc 0 State PSC 0 UPSC 0 Others 0

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 Seminars/	3	2	-4
Presented papers	2	1	--
Resource Persons	1	1	--

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	--	2	--	1
Outlay in Rs. Lakhs	--	138	--	300

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	--	---	1
Outlay in Rs. Lakhs	0.25	--	---	300

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

ii) Without ISBN No.

1

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number			1		
Sponsoring agencies	---	---	M/s. Thermofisher Scientific	---	---

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

33

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
Existing	43	-	-	-	-	-	43	-
Added	10	-	-	-	-	-	10	
Total	53	-	-	-	-	-	53	-

4.6 Amount spent on maintenance in lakhs :

i) ICT	
ii) Campus Infrastructure and facilities	2.06
iii) Equipments	
iv) Others	
Total :	2.06

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
180	21	16	--

b) No. of students outside the state Students

(c) No. of international students

No	%	Men
119	59.2	

No	%	Women
82	40.8	

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
14	40	2	149	2	205	17	34	3	148	4	201

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="-"/>	CAT	<input type="text" value="-"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value=""/>	UPSC	<input type="text" value="2"/>	Others	<input type="text" value="2 (GRE.TANCET)"/>

5.7 Electrical & Electronics Engineering

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	1	----	----	
PG	6(FT)3(PT)	---	----	CBCS
UG	1	----	----	CBCS
PG Diploma	----	---	----	----
Advanced Diploma	----	----	----	----
Diploma	---	----	----	----
Certificate	----	----	----	-----
Others	M.S(By Research)	----	----	-----
Total	----	----	----	2

Interdisciplinary	----	----	-----	-----
Innovative	----	----	----	CBCS

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

Pattern	Number of programmes
Semester	UG & PG
Trimester	----
Annual	----

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

Yes,CBCS

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	46	13	9	7	17

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	8	10	5
Presented papers	10	20	5
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 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 %
U.G	55	16	38	1		100

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	Capacity Builder
UGC – Faculty Improvement Programme	
HRD programmes	
Orientation programmes	
Faculty exchange programme	30
Staff training conducted by the university	
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	3			
Technical Staff	14			

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	1		DRS -150 L
Outlay in Rs. Lakhs	116 Lakhs	145 Lakhs		TNGSCT – 10L, CAS 100L

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		--		
Outlay in Rs. Lakhs	0	--		

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

3.13 No. of collaborations International National Any other

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

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College
 Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	2
	Granted	
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

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

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

3.18 No. of faculty from the Institution

who are Ph. D. Guides

144

and students registered under them

24

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

22

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

10

JRF

5

SRF

30

Project Fellows

2

Any other

3.21 No. of students Participated in NSS events:

University level

26

State level

National level

International level

3.22 No. of students participated in NCC events:

University level

2

State level

National level

International level

3.23 No. of Awards won in NSS:

University level

2

State level

National level

International level

3.24 No. of Awards won in NCC:
 University level State level
 National level International level

3.25 No. of Extension activities organized
 University forum College forum NCC
 NSS Any other

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

- Ripples
- Waves

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	6	4	FISTDST PURSE	Rs.70,94271
Seminar Halls	2			
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				

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	20	10	-	-	1	2	29	30
Added		-	-	-	-	-	-	-
Total	20	10	-	-	1	2	29	30

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
55	19	34	-
UG	PG	Ph. D.	Others
55	19	34	-

(b) No. of students outside the state student

19

(c) No. of international students

1

No	%
33	60

No	%
22	40

Men

Women

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
11	7	--	35	--	53	15	10	1	38	--	64
(M.E HVE)	5	2	11 11		19 13						
Ph.D											

Demand ratio

Dropout

5.5 No. of students qualified in these examinations

NET

--

SET/SLET

-

GATE

CAT

IAS/IPS etc

--

State PSC

UPSC

--

Others

--

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution		
Financial support from government	2	Rs.10000 per year
Financial support from other sources		
Number of students who received International/ National recognitions	1	Rs.1 Lakhs per year

Criterion – VI

6. Governance, Leadership and Management

6.3.8 Industry Interaction / Collaboration

CUIC

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	<input checked="" type="checkbox"/>			
Administrative				

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

For UG Programmes	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
For PG Programmes	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

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

--

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.

CBCS

7.4 Contribution to environmental awareness / protection

--

7.5 Whether environmental audit was conducted? Yes No

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

--

5.8 Electronics and Communications Engineering

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD				
PG	5		2	
UG	2		1	
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	7		3	

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	7
Trimester	
Annual	

1.3 Feedback from stakeholders* Alumni Parents Employers Students
 (*On all aspects*)
 Mode of feedback : Online Manual Co-operating schools (for PEI)

**Please provide an analysis of the feedback in the Annexure*

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

yes

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
33	14	11	8	--

2.2 No. of permanent faculty with Ph.D.

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
						5		5	

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

28

2.4 No. of Guest and Visiting faculty and Temporary faculty

1

1

25

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:

Outcome based education-model is in practice

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

240

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

Bar coding, Double valuation, Photocopy

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

25

2.10 Average percentage of attendance of students

98%

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	
UGC – Faculty Improvement Programme	15
HRD programmes	
Orientation programmes	
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			2
Technical Staff	16			

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
Students research projects <i>(other than compulsory by the University)</i>		CTDT	50,000	50,000
Any other(Specify)		UKIERI	16,06,780	16,06,780
Total			1,44,69,580	1,44,69,580

3.11 No. of conference organized by the Institution

Level	International	National	State	University	College
Number					
Sponsoring agencies					

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

6

3.13 No. of collaborations International National Any other

1

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	
	Granted	5
International	Applied	
	Granted	
Commercialised	Applied	
	Granted	

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

Total	International	National	State	University	Dist	College
		4	TAMILNADU	IRD, COMPUTER SOCIETY, ANNAUNIVERSITY	CHENNAI	COLLEGE OF ENGINEERING

3.18 No. of faculty from the Institution

20

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

5

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

JRF

SRF

Project Fellows

Any other

3.21 No. of students Participated in NSS events:

University level

State level

National level

International level

3.22 No. of students participated in NCC events:

University level

State level

National level

International level

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	18			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				

4.2 Computerization of administration and library

YES

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

60,94,000

iii) Equipments

29,07,008

iv) Others

Total :

90,01,008

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
900	400	55	3

(b) No. of students outside of state Student

(c) No. of international students

69

No	%
128	53%

Men

No	%
125	52%

Women

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
18	30	3	152	6	209	37	30	3	177	6	253

Demand ratio

Dropout %

5.5 No. of students qualified in these examinations

NET

SET/SLET

GATE

CAT

IAS/IPS etc

State PSC

UPSC

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
25	300	193	7

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
2	0	1	0	0	0	Professor -2 Associate Professor - 11	-	3	0

2.4 No. of Guest and Visiting faculty and

Temporary faculty

- - 25

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	8	4	NIL
Presented papers	31	NIL	NIL
Resource Persons	23	5	NIL

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	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	1	-	-	-
Sponsoring agencies	8	6	-	-	-

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	21	-	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	430	286	-	-	-	7 PC	76	61
Added	134	59 (59 Replaced)	-	-	-	10	10	65 (50 Replaced 15-Added)
Total	455	286	-	-	-	6	86	76

4.6 Amount spent on maintenance in lakhs :

i) ICT	78.00
ii) Campus Infrastructure and facilities	9.32+4.0
iii) Equipments	0
iv) Others	-
Total :	91.32

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
206	107	140	-

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

2

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

27

UG

Men	No	%
	123	59.5

Women

No	%
83	40.5

PG

	%
29	27

No	%
78	73

	last Year						This Year					
	General	SC	ST	OB C	Physically Challenged	Total	Gen eral	S C	ST	OB C	Physical ly	Tota l
UG	29	25	2	110	4	200	62	26	1	113	4	206
PG	6	7	-	36	-	49	6	22	-	79	-	107

Demand ratio

Dropout %

$$6/206 = 0.029$$

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	6	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	1

5-10 Information Science & Technology

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
26	13	7	7	-

2.2 No. of permanent faculty with Ph.D.

24

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

-

-

19

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	7	5	-
Presented papers	43	16	-
Resource Persons	-	-	3

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

Project based learning- Mini Projects, Participatory Learning, Computer Aided Teaching, Well equipped labs

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

4

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 %
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

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		3	-	
Outlay in Rs. Lakhs		85.13	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	7	-	-
Outlay in Rs. Lakhs	1.25	1.58	-	-

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		01	-	-	-
Sponsoring agencies	-	02	-	-	-

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
7	-	5	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 Resources

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	-

4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

-

iii) Equipments

-1.55

iv) Others

3.52

Total :

5.07

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
372	305	144	-

B) No. of Students Outside the state Student

14

Men

No	%
332	49

Women

No	%
440	51

Last Year						This Year					
General	SC	S T	OB C	Physically Challenged	Total	Gener al	SC	S T	OB C	Physicall y Challeng ed	Total
184	13 7	7	506	8	842	106	114	7	446	8	679

Demand ratio

Dropout % 0.83

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

2.4 No. of Guest and Visiting faculty and Temporary faculty

36

2.5 Faculty participation in conferences and symposia:

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

2.10 Average percentage of attendance of students

90%

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	3	-	-	3
Technical Staff	-	-	-	2

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/ -	-	-

3.8 No. of University Departments receiving funds from
 UGC-SAP CAS DST-FIST
 DPE DBT Scheme/funds

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

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	3			
Seminar Halls	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				

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	210	3	150	-	-	1	-	-
Added	-	-	-	-	-	-	-	-
Total	210	3	150	-	-	-	-	-

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
-	352	27 (FT)+12 (PT)	-

(b) No. of students outside the state student

2

(c) No. of international students

1+1 (Ph.D)

Men

No	%
98+10(Ph.D)	-

No	%
254+29(Ph.D)	-

Women

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
						332	20				352

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT

IAS/IPS etc State PSC UPSC Others

5.12 Physics

Part – B

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	20	10	5	5	

2.2 No. of permanent faculty with Ph.D.

20

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
0		0		0					

2.4 No. of Guest and Visiting faculty and Temporary faculty

0

0

7

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	3	8	0
Presented papers	3	5	0
Resource Persons	1	1	0

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	0	6	1	
Outlay in Rs. Lakhs	0	55.214 Lakhs	80 Lakhs	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	0	2	0	0
Outlay in Rs. Lakhs	0	1	0	0

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	0	1	0	0	0
Sponsoring agencies		UGC BRNS			

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	16							
Added	0							
Total	16							

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
	67	50	

(b) No. of students outside the state

c) No. of international students

PG

Men	<table border="1"><tr><th>No</th><th>%</th></tr><tr><td>23</td><td>34</td></tr></table>	No	%	23	34	Women	<table border="1"><tr><th>No</th><th>%</th></tr><tr><td>44</td><td>66</td></tr></table>	No	%	44	66
	No	%									
23	34										
No	%										
44	66										

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
7	6	0	25	0	38	6	5	0	18	0	29

Demand ratio

Dropout %

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT

IAS/IPS etc State PSC UPSC Others

5.13 Chemistry

Part – B (1.6.2015 – 31.5.2016)

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	--	--	--
PG	03	--	--	--
UG	--	--	--	--
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	01	--	--	--
Total	04	--	--	--

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

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	03
Trimester	--
Annual	--

1.3 Feedback from stakeholder Alumni Parents Employers Students
(On all aspects)
 Mode of feedback : Online Manual Co-operating schools
 (for PEI)

**Please provide an analysis of the feedback in the Annexure*

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

Yes - Regulation 2015 (CBCS)

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
19	13	03	03	--

2.2 No. of permanent faculty with Ph.D.

19

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
06	10	0	---	01	02	---	---	07	12

2.4 No. of Guest and Visiting faculty and Temporary faculty

--

--

17

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	15	0	0
Presented	3	2	0
Resource Persons	--	04	--

2.10 Average percentage of attendance of students

85 %

2.11 Course/Programme wise distribution of pass percentage :

Title of the	Total no. of	Division
--------------	--------------	----------

Programme	students appeared	Distinction %	I %	II %	III %	Pass %
M.Sc Applied Chemistry	12	25 %	58 %			83 %
M.Tech Polymer Science and Engineering	10	30 %	50 %			80 %
M.Phil Chemistry	02	50 %				50 %

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	2	--	2
Technical Staff	06	3	--	4

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	04	04	04	14
Outlay in Rs. Lakhs	34.9	338	68	2001

3.3 Details regarding minor projects

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

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

3.12 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
4	3	1				

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.		03	DST-FIST	
Value of the equipment purchased during the year (Rs. in Lakhs)		80.61		
Others				

4.2 Computerization of administration and library

NA

4.3 Library services: DEPARTMENT LIBRARY DETAILS

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	2116	14 Lakhs	24	Rs 6500	2140	~ 14 Lakhs
Reference Books	-	-	-	-	-	-
e-Books	-	-	-	-	-	-
Journals	-	-	-	-	-	-
e-Journals	-	-	-	-	-	-
Digital Database	-	-	-	-	-	-
CD & Video	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall) Nil

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

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
--	39	100	--

b) No. of students outside the state student

5

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
			08

5.14 English

Criterion – I

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

Pattern	Number of programmes
Semester	Two Semsters (CBCS)
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni Parents Employers Students

(On all aspects)

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

**Please provide an analysis of the feedback in the Annexure*

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

Yes, revision is regularly done to meet the growing needs of society and the industry

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
9	5 CEG+ 2MIT	1	1	-

2.2 No. of permanent faculty with Ph.D.

4+2(mit)

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	-	-	-	1	-	-	3	3

2.4 No. of Guest and Visiting faculty and Temporary faculty

-

-1

8+4 (mit)

2.5 Faculty participation in conferences and symposia:

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

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

Computers, Internet, mobile assisted language learning (MALL)

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

190 days

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

-

2

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 %
First Semester - Technical English I,		-	-	-	-	
Second Semester- Technical English -II		-	-	-	-	

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	-
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	12
Others	-

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Complete d	Ongoing	Sanctioned	Submitted
Number	-			1
Outlay in Rs. Lakhs	-	-	-	-

3.3 Details regarding minor projects

	Complete d	Ongoing	Sanctioned	Submitted
Number	-			-
Outlay in Rs. Lakhs	-	-	-	-

3.4 Details on research publications

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

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				-
Minor Projects				-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College 2 PROJECTS	2015-16	CTDT	RS 50000*2	100000
Students research projects (<i>other than compulsory by the University</i>)	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-			-

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	1			
Laboratories	2			
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)				
Others				

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	-	-	-	-	1316	-
Reference Books	1165	50000 0	151		123760	-
e-Books	-	-	-	-	-	-
Journals	1			-	-	-
e-Journals	20			-	-	-
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	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.)

Use of Technology in language teaching was conducted for teachers in the month of March 2016
--

Criterion – V**5. Student Support and Progression**

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1	10	35	44

(b) No. of students outside the state students

9

(c) No. of international students

-1

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
38	2	8	4	-	44	-	-	-	-	-	-

Demand ratio 100%

Dropout % nil

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

-

No. of students beneficiaries

5 ACRF

5.5 No. of students qualified in these examinations

NET

2

SET/SLET

GATE

CAT

IAS/IPS etc

State PSC

UPSC

Others

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

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

6.3.1 Curriculum Development

Current needs of all the stakeholders to meet the curriculum and syllabus are changed

6.3.2 Teaching and Learning

Teaching and the industry's learning shifted to meet the need of learners

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	-

5.15 Geology

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
7	2	----	5	----

2.2 No. of permanent faculty with Ph.D.

7

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	-	-	-	-	-	3

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	5	6	4
Presented papers	13	8	4
Resource Persons	2	5	5

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	2	1	-
Outlay in Rs. Lakhs	100.00	83,31	23,79	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		1	1	-
Outlay in Rs. Lakhs		20.85		-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	0	1	1	0	0
Sponsoring agencies		UGC – DRS	Society of Geologists	-	-

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
11	3	2	1	5	0	0

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	27	--	10	0	0	2	15	---
Added	35	25	--	----	----	---	5	---
Total	57	26	10	0	0	2	17	---

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipments	1.0
iv) Others	1.0
Total :	63

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph.D	Others
	49	18	3

(b) No. of students outside the state 25

(c) No. of international students -----

No	%
50	71.5

Men

No	%
20	28.5

Women

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
25	6	1	39	---	70	23	7	--	40	---	70

Demand ratio 100% Dropout % = 0%

5.5 No. of students qualified in these examinations

NET	2	SET/SLET	---2	GATE	2	CAT	---
IAS/IPS etc	---	State PSC	4	UPSC	6	Others	13

5.16 Media Sciences

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
10	10	-	-	-

2.2 No. of permanent faculty with Ph.D.

10

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
-	6	-	4	-	2	-	-	-	12

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/	09	02	02
Presented papers	09	02	00
Resource Persons	02	02	02

2.10 Average percentage of attendance of students

75%

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	-	-	-
Outlay in Rs. Lakhs	06 Lakhs	-	-	-

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

ii) Without ISBN No.

01

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

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	54	43	–	–	–	1	10	04
Added	5	5	-	-	-	-	-	-
Total	59	48	-	-	-	1	10	04

4.6 Amount spent on maintenance in Lakhs :

i) ICT (Six Thousand Only)

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
---	237	19	----

(b) No. of students outside the state

5

(c) No. of international students

0

Women

No	%
122	51.5%

Men

No	%
115	48.5%

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
57	86	1	137	04	285	45	75	1	113	3	237

Demand ratio

Dropout % 2.5%

5.5 No. of students qualified in these examinations

NET

3

SET/SLET

6

GATE

04

CAT

05

IAS/IPS etc

-

State PSC

01

UPSC

07

Others

-

5.17 Management Studies

Part – B

I. 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		2	
UG				
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	4		2	

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	3
Trimester	
Annual	

1.3 Feedback from

stakeholders* Alumni Parents Employers Students

(On all aspects)

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

***Please provide an analysis of the feedback in the Annexure**

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

Revision in Regulations 2015

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
13	7	4	2	--

2.2 No. of permanent faculty with Ph.D.

11

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	10		
Presented papers	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

180

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

Open Book Examination, Photocopy

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

13

2.10 Average percentage of attendance of students IQAC enhances Teaching & Learning process by self evaluation and gives an opportunity for the betterment of existing system.

➤ 75%

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	1
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	1
Staff training conducted by the university	4
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	23	18	
e-Journals			
Conference proceedings	4		

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	3	1			
Sponsoring agencies	Self	Self			

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

3.13 No. of collaborations International National Any other

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 Anyother

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	5		
Laboratories	2			
Seminar Halls	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	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	Dept	Others
Existing	56	2						
Added								
Total	56	2						

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
	276	60	

(b) No. of students outside the state student

(c) No. of international students

Men

No	%
128	46

Women

No	%
149	54

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				

5.18 Medical Physics

Part – B

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.

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	10	3	12
Presented papers	5	4	-
Resource Persons		1	1

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	1
HRD programmes	
Orientation programmes	
Faculty exchange programme	
Staff training conducted by the university	
Staff training conducted by other institutions	1
Summer / Winter schools, Workshops, etc.	2
Others	

Criterion – III

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	3		
Outlay in Rs. Lakhs		492.948		

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs		0.5		

3.4 Details on research publications

	International	National	Others
Peer Review Journals	16	1	
Non-Peer Review Journals			1
e-Journals			
Conference proceedings	7		

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	2010-2016	DAE-BRNS, AERB, SERB	492.948 lakhs	492.948 lakhs
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College	2015-2016	CTDT, Anna University	Rs. 50,000	Rs.50,000
Students research projects (<i>other than compulsory by the University</i>)				
Any other(Specify)				
Total				

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	1			
	Sponsoring agencies	Dr.Kamakshi Institute of Medical Sciences and Research	HCG, Bangalore			

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 fellow Of the Year

Total	International	National	State	University	Dist	College
1				Young faculty Research Suppoty Fellowship – CTDT, Anna University		

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

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	54	5,80,000	28	1,30,000	82	Rs. 7,10,000
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	7	Nil	7	Nil	Nil	1	1	-
Added	-							
Total	-							

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

1.09

iii) Equipments

0.54

iv) Others

0.58

Total :

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
-	58	11	

(b) No. of students outside the state student

5

(c) No.international students

Nil

Men

No	%
30	51.7

Women

No	%
28	48.2

Last Year (P.G)						This Year(P.G)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
	5		25	0	30		6		22	0	28

Demand ratio

Dropout %

5.5 No. of students qualified in these examinations

NET

SET/SLET

GATE

CAT

IAS/IPS etc

State PSC

UPSC

Others

**RSO (Medical) –
National Level Exam
conducted by
Bhabha Atomic
Research Centre &
AERB**

PART B

DEPARTMENTWISE DETAILS

- 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

--

06

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	1	1
Presented	2	1	-
Resource Persons	3	4	5

2.10 Average percentage of attendance of students

86%

Criterion – III

3. Research, Consultancy and Extension

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

	Completed	Ongoing	Sanctioned	Submitted
Number	01	08	02	07
Outlay in Rs. Lakhs	Rs. 8,50,000	Rs. 3,20,12,857	Rs. 2,014,40500	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	06	06		--
Outlay in Rs. Lakhs	1.5 lakhs	1.5 lakhs		--

3.7 No. of books published i) With ISBN No. 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			02		
Sponsoring agencies			UGC		

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 :(Aerospace Dept.)

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year (Aero Dept)

Type of Patent		Number
National	Applied	4
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

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

Total	International	National	State	University	Dist	College
4	01	01	01	01	-	-

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

07
15

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			-	-	-	-	31	-
Added		-	-	-	-	-	05	-
Total			-	-	-	-	36	-

4.6 Amount spent on maintenance in lakhs :

i) ICT

--

ii) Campus Infrastructure and facilities

-

iii) Equipments

Rs. 3.40 lakhs

iv) Others

-Rs 7.25 lakhs

Total :

Rs. 10.25 lakhs

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
196	127	15	--

(b) No. of students outside the state student

13

(c) No. of international students

17

Men

Women

No	%
252	74.5

No	%
86	25.5

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
				--		76	52	---	21	1	338

Demand ratio

Dropout %

10 + 3

5.5 No. of students qualified in these examinations

5.6

NET

--

SET/SLET

--

GATE

24

CAT

2

IAS/IPS etc

--

State PSC

--

UPSC

1

Others

35
35-

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	-	-	-	-
Total	3	-	-	-

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

Pattern	Number of programmes
Semester	3
Trimester	-
Annual	-

1.3 Feedback from stakeholders*

Alumni parents Employers Students
 (*On all aspects*)

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

**Please provide an analysis of the feedback in the Annexure*

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

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.

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
-	4	-	-	-	1	-	-	-	5

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 Seminars/	-	-	-
Presented papers	07	08	-
Resource Persons		02	05

2.10 Average percentage of attendance of students

83

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	05	-	-
Outlay in Rs. Lakhs	-	Rs,80,042	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	9.7	-	-

3.11 No. of conferences organized by the Institution

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

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

3.18 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

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	47	40	-	-	-	05	15	02
Added	23	-	-	-	-	-	-	-
Total	70	48	-	-	-	05	15	02

4.6 Amount spent on maintenance in lakhs :

i) ICT	-
ii) Campus Infrastructure and facilities	12
iii) Equipments	8.1
iv) Others	7.5
Total :	27.6

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
219	21	-	-

(b) No. of students outside the state student 3

(c) No. of international students 7

Men

Women

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
20	37	01	172	0	230	25	30	01	180	0	236

5.5 No. of students qualified in these examinations

NET	-	NET/SLET	-	GATE	3	CAT	-3
IAS/IPS etc	-	State PSC	-	UPSC	-11	Others	-

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	---	---	---	---
Total	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:

Pattern	Number of programmes
Semester	B.E-2, M.E -2
Trimester	---
Annual	---

1.3 Feedback from stakeholders*

(On all aspects) Alumni Parents Employers Students

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

**Please provide an analysis of the feedback in the Annexure*

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

CBCS Syllabus Revision 2015 UG/PG

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

Yes, B.E –Mechanical Engineering

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
22	06	05	03	08

2.2 No. of permanent faculty with Ph.D.

10

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

-- -- 08

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	03	02	02
Presented papers	03	02	02
Resource Persons	00	02	05

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 learning 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 Choice Questions)

Bar Coding, Double Valuation, Photocopy

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	58	25	72	00	---	84
M.E MANUFACTURING ENGINEERING	20	15	65	00	---	100
M.E MECHATRONICS	25	28	72	00	---	100

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	--	14.9 lakhs	1	1

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	32	12	34	34
Outlay in Rs. Lakhs	800000/-	300000/-	850000/-	8500000/-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	12	10	-
Non-Peer Review Journals	3	5	-
e-Journals	12	0	-
Conference proceedings	10	12	-

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 (<i>other than compulsory by the University</i>)	--	--	--	--
Any other(Specify)	--	--	--	--
Total			16.68Lakhs	16.68Lakhs

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

Chapters in EditeBooks

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	--	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

SRF

Project Fellows

Any other

3.21 No. of students Participated in NSS events:

University level

State level

National level

International level

3.23 No. of Awards won in NSS:

University level	2	State level	1
National level	---	International level	---

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

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
359	50	72	nil

(b) No. of students outside the state student 03

(c) No. of international students 04

Men	No	%	Women	No	%
	324	90		18	5

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text"/>	CAT	<input type="text"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text" value="12"/>	Others	<input type="text" value="4"/>

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
15	6	6	3	-

2.2 No. of permanent faculty with Ph.D.

13

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
NIL	01	NIL	NIL	NIL	NIL	NIL	NIL	01	01

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/	01	13	NIL
Presented papers	01	08	NIL
Resource Persons	01	08	NIL

2.10 Average percentage of attendance of students

98.%

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	04	01	NIL
Outlay in Rs. Lakh	NIL	DST-FIST: Rs.67.0 L (*) DST-AED:Rs.20.46 L (*) UGC:Rs.10.5 L (*) (* First Instalment	UGC-SAP: Rs.99.0L	NIL
Total	-	Rs.97.96 L	Rs.99.0L	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1 (Faculty)(*) 8 (Student)(*)	12 (Student)	NIL	NIL
Outlay in Rs. Lakhs	Rs. 2.448 L-	Rs. 2.715 L	NIL	NIL
(*) – Sponsored by CTDT Anna University				

3.11 No. of conferences Organized by the Institution

Level	International	National	State	University	College
Number	NIL	01	NIL	NIL	NIL
Sponsoring agencies	NIL	NIL	NIL	NIL	NIL

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

3.13 No. of collaborations International National Any other

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

3.13 No. of collaborations International National Any other

* National University of Singapore

3.14 No. of linkages created during this year
* M/s CTS Chennai

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
11	1	1	1	04	-	4

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	147		Available	-	-	2	130	15
Added	-		-	-	-	-	60	-
Total	147		Available	-	-	2	190	15

4.6 Amount spent on maintenance in lakhs:

i) ICT	NIL
ii) Campus Infrastructure and facilities	26.88 L 9(*)
iii) Equipments	. 0.70 L
iv) Others	0.04767 L
Total:	27.62 L

5.3 (a) Total Number of students

UG	PG	Ph.D	Others
464	39	9	-

(b) No. of students outside the state

07

(c) No. of international students

21

Men	No	%	Women	No	%
	314	59		222	41

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
131	83	3	172	7	396	13	89	3	304	6	536

5.5. No. Of students qualified in these examinations

NET	SET/SLET	GATE	CAT
0	0	0	0
IAS/IPS etc	State PSC	UPSC	Others
0	0	0	0
12	4		

5.23 Information 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	1	0	0	0
PG	1	0	0	0
UG	1	0	1	0
PG Diploma	0	0	0	0
Advanced Diploma	0	0	0	0
Diploma	0	0	0	0
Certificate	0	0	0	0
Others	0	0	0	0
Total	3	0	0	0

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

attern	Number of programmes
Semester	2
Trimester	0
Annual	0

1.3 Feedback from stakeholders* Alumni Parents Employer Students

(On all aspects) Mode of feedback :Online Manual Co-operatingschools (forPEI)

***Please provide an analysis of the feedback in the Annexure**

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

Regulation 2015 has been introduced, which is a Choice Based Credit System.

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

Not Applicable

2. Teaching Learning Evaluation

Total	Asst. Professors	Associate Professors	Professors	Others
12	9	2	1	0

and

2.1 Total No. of permanent faculty

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	0	0	0	0	1	2	2	2	2

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	1	11
---	---	----

2.5 Faculty participation in conferences and symposia:

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding,

Online MCQs, Open Book Tests

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

11

2.10 Average percentage of attendance of students

86%

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	114					86.84%
M.Tech	19					84.21%

2.13 Initiatives undertaken towards faculty development 2 FDPs and 4 Workshops conducted

<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	60
Staff training conducted by other institutions	
Summer / Winter schools, Workshops, etc.	200
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	0	0	1
Technical Staff	0	0	0	1

Criterion – III

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1			
Outlay in Rs. Lakhs	9.5			

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	10	12		10
Outlay in Rs. Lakhs	2.5	3		2.5

3.4 Details on research publications

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

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1				
Sponsoring agencies	IEEE				

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

13

3.15 Total budget for research for current year in lakhs :

From Funding agency
Total

32.5 lakhs

From Management of University/

11.81 lakhs

44.31 lakhs

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

5

43

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

3

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	5	3	University	8
Seminar Halls				

No. of important equipments purchased (≥ 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	216	4.9L			216	4.9L
Reference Books	403	6.2L	155	3.34L	558	9.54L
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	222	179	179			6	24	13
Added								
Total								

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
326	20	43	2

(b) No. of students outside the state	
(c) No. of international students	
Demand ratio	Dropout %
	1

Criterion – VI

6. Governance, Leadership and Management

6.2 Does the Institution has a management Information System

ARMS – Academic Record Maintenance System

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

6.3.1 Curriculum Development

CBCS – Choice Based Credit System

6.3.3 Examination and Evaluation

Continuous Assessments and End Semester Examinations

6.3.4 Research and Development

Funded Research supported by UGC-SAP Programme for Mobile and Pervasive Computing

6.3.5 Library, ICT and physical infrastructure / instrumentation

All Labs are connected to internet and a wide range of books in Department Library. (Details Furnished)

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

CBCS – Choice Based Credit System, with a facility to students to add or drop courses in any semester.

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

Tree Plantation during department events, Solid waste management awareness sessions and rallies for social awareness in collaboration with NSS

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
15	10	3	2	--

2.2 No. of permanent faculty with Ph.D.

10

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

12

-

-

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	1	8	-
Presented	22	3	-
Resource Persons	-	36	-

2.10 Average percentage of attendance of students

98%

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2	-	-
Outlay in Rs. Lakhs	10.02	1067.64	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	7	-	-
Outlay in Rs. Lakhs	2.75	2.00	-	-

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

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
3	1	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	377	4 + 2(R & D)	2	-	-	1	1	-
Added	5	5 (R & D)	-	-	-	-	-	-
Total	382	11	2	-	-	1	1	-

4.6 Amount spent on maintenance in lakhs :

i) ICT		-
ii) Campus Infrastructure and facilities		-
iii) Equipments - Air Conditioners	2.742.	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
480	43	19	--

(c) No. of international students

14

Men

No	%
237	45

Women

No	%
286	55

Last Year (2013-14)						This Year (2014-15)					
General	SC	ST	OC	Physically Challenged	Total	General	SC	ST	OC	Physically Challenged	Total
97	25	1	28	2	152	77	18	1	27	1	122

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	5	4	4	
UG	2	-	-	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	7	4	5	-

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

Pattern	Number of programmes
Semester	08
Trimester	-
Annual	-

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

YES (CBCS)

- 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
	22	14	05	03	-

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
	-	-	-	-	-	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty -- -- 15

Temporary faculty

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	17	-	-
Presented papers	17	-	-
Resource Persons	-	-	-

2.7 Total No. of actual teaching days during this academic year 240

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

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%

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
BE ECE	202	19.3%	60%	1.4%		80.7%
ME C&N	21	50%	50%			100%

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	12
UGC – Faculty Improvement Programme	1
HRD programmes	
Orientation programmes	1
Faculty exchange programme	
Staff training conducted by the university	2
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	02	-	-	-
Technical Staff	04	-	-	-

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number		1	1	
Outlay in Rs. Lakhs		149	46	

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number		2		
Outlay in Rs. Lakhs		35.9		

3.4 Details on research publications

	International	National	Others
Peer Review Journals	25		
Non-Peer Review Journals	9		
e-Journals			

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	2015-2020	UGC-SAP-DRS	149,76,000	7,54400
	2012-2017	FIST	50,00,000	35,00,000
Minor Projects	2014-2016	BRNS	1911500	1911500
	2015-2017	DST-NRDMS	1680000	1425880
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/				

College				
Students research projects (other than compulsory by the University)	2015-2016	Anna University	2,00,000	2,00,000
Any other(Specify)				
Total	5		23767500	7791780

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	01	-	-	✓	-
Sponsoring agencies	-	-	-	-	-

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

3.18 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	15	-	-	-
Laboratories	14	-	-	-
Seminar Halls	2	-	-	-
No. of important equipments purchased (≥ 1 -0 lakh) during the current year.	11		-	
Value of the equipment purchased during the year (Rs. in Lakhs)	45.27 lakhs	-	-	-
Others	-	-	-	-

4.2 Computerization of administration and library

Yes

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books						
Reference Books	1400	897436	373	198885	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	192	1	yes	20	3	-	-	-
Added	91	-	-	-	-	-	-	-
Total	283	1	-	20	3	-	-	-

4.6 Amount spent on maintenance in lakhs :

i) ICT

--

ii) Campus Infrastructure and facilities

1.1365 lakhs

iii) Equipments

5.5516 lakhs

iv) Others

--

Total :

6.6881

Criterion – V

5. Student Support and Progression

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text" value="6"/>	CAT	<input type="text" value="1"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	<input type="text" value="3"/>

5.26 Rubber & Plastics Technology

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		-	-	-		2

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 papers	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	-3	-
Outlay in Rs. Lakhs	12.00	12.43	206.31	-

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

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

5
17

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	35	25	-	-	-	3	7	-
Added	9	-	-	-	-	-	-	-
Total	44	25	-	-	-	3	7	-

4.6 Amount spent on maintenance in lakhs :

i) ICT --

ii) Campus Infrastructure and facilities --

iii) Equipments 1.5 Lakh

iv) Others --

Total : 1.5 Lakh

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
159	19	17	-

(b) No. of students outside the state

(c) No. of international students

<table border="1" style="display: inline-table;"> <tr><td>No</td><td>%</td></tr> <tr><td>121</td><td>66</td></tr> </table>	No	%	121	66	Women	<table border="1" style="display: inline-table;"> <tr><td>No</td><td>%</td></tr> <tr><td>61</td><td>34</td></tr> </table>	No	%	61	34
No	%									
121	66									
No	%									
61	34									

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
3	7	0	38	-	48	2	8	1	38	-	50

5.5 No. of students qualified in these examinations

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

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

For UG Programmes Yes No

For PG Programmes Yes No

PART B

DEPARTMENTWISE DETAILS

- ACT CAMPUS

5.27 Chemical Engineering

Part – B

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
21	7	7	6	

2.2 No. of permanent faculty with Ph.D.

17

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

-	1	10
---	---	----

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	7	6	2
Presented	3	2	0
Resource Persons	4	5	1

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	8	-	
Outlay in Rs. Lakhs	125	310	-	140.57

3.3 Details regarding minor projects

	Complete	Ongoing	Sanctioned	Submitted

	d			
Number	1	1	1	
Outlay in Rs. Lakhs	0.5	0.5	.05	-

3.7 No. of books published i) With ISBN No. Chapters in Edited Books
 iii) Without ISBN No.

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

3.17 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	-	-	-	1	-	3

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	Intern et	Browsi ng Centres	Comput er Centres	Offic e	Depa rt-ment s	Other s
Existing	25	-	25	-	1	1	1	-
Added	7	-	7	-	-	-	-	-
Total	32	-	32	-	1	1	1	-

4.6 Amount spent on maintenance in lakhs :

i) ICT	
ii) Campus Infrastructure and facilities	
iii) Equipments	1.4 Lakh
iv) Others	
Total :	-1.4 Lakh

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
454	64	39	-

b) No. of students outside the state

(c) No. of international students

Men	No	%	Women	No	%
		45			

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
24	21	2	95	1	142	14	20	2	108	1	144

Demand ratio - Dropout 10%

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

5.28 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.

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
-	7	-	3	-	1	-	-	-	11

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	2	1	3
Presented	1		-
Resource Persons	-	1	-

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

1 2.9

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	1	-	-	-
Outlay in Rs. Lakhs	24.85	-	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	5	3	-	-
Outlay in Rs. Lakhs	1.25L	0.75	-	-

3.11 No. of conferences organized by the Institution

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

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

3

3.18 No. of faculty from the Institution

who are Ph. D. Guides

4

and students registered under them

5

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	22	10	-	-		1	9	2
Added	4	-	-	-	-	-	4	-
Total	26	10	-	-		1	13	2

4.6 Amount spent on maintenance in lakhs :

i) ICT

-

ii) Campus Infrastructure and facilities

0.33

iii) Equipments

0.76

iv) Others

Total :

1

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
175	5	23	-

Last Year						This Year					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
52	19	4	60	-	135						

Demand ratio - Dropout %

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="2"/>	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="1"/>

5.29 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
-	-	-	-	-	-	-	-	-	-

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	1	3	-
Presented		5	-
Resource Persons	-	1	-

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		2	2	-
Outlay in Rs. Lakhs		31.74 L	66.50L	-

3.11 No. of conferences/ workshops

Level	International	National	State	University	College
Number	-	1	-	-	-
Sponsoring agencies	-	UGC & CEMA - MHRD	-	-	-

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	26	4 (9 Old computers Replaced)	-	-	-	1	13	-
Added	18	11	-	-	-	1	6	-
Total	44	15	-	-	-	2	19	8

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

iii) Equipment

iv) Others

Total :

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
206	5	17	1

Men	No	%	Women	No	%
	61	29.		159	71

Last Year						This Year					
General	S C	S T	OB C	Physically Challenged	Total	General	S C	ST	OB C	Physically Challenged	Total

Demand ratio: 1.0 Dropout % :1

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	1	CAT	-
IAS/IPS et		State PSC	2*	UPSC	-	Others	-

5.30 BioTechnology

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
18	6	6	6	

18

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

4

5

16

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	6	5	4
Presented	4	3	11
Resource Persons	4	7	8

2.10 Average percentage of attendance of students

95%

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	1	5,50,000	4,54,545
Outlay in Rs. Lakhs				

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number				
Outlay in Rs. Lakhs				

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	4		1	
Sponsoring agencies	Multi	DBT, UGC DBT, DST & PVT Companies DBT, DST		DST UKIERI	

3.12 No. of faculty served as experts, chairpersons or resource persons : 44

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
13	5	5		3		

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	70	10	RCC internet	5	7	8	20	20 Tara mani 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 :

5.3 (a) Total Number of students

UG	PG	PhD/MS	Others
494	188	115	

(b) No. of students outside the state

(c) No. of international students

Men	No		Women	No		%					
	136	28		358	72.4						
Last Year						This Year					
General	S	S	OB	Physically	Total	General	S	ST	OB	Physically	Total
532	31	3	12	Challenged	692	616	91	5	84	1	797
			4	2							

Demand ratio Dropout % 5%

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT

IAS/IPS etc State PSC UPSC Other

5.31 Applied Sciences & Technology (AST)

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.

7

2.4 No. of Guest and Visiting faculty and Temporary faculty

2

1

16

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	2	17	2
Presented papers			
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		16	5,50,000	4,54,545
Outlay in Rs. Lakhs		419.52	-	-

3.11 No. of conferences organized by the Institution

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

5

3.13 No. of collaborations	International	<input type="text" value="-4"/>	National	<input type="text" value="3"/>
	Any other	<input type="text" value="-"/>		

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		3	-	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	70	10	RCC Internet	5	7	8	20	20 Taramani Lab
Added	-	-	-	-	-	-	-	-
Total	30	25	30	25	25	3	-	20

4.6 Amount spent on maintenance in lakhs :

i) ICT

ii) Campus Infrastructure and facilities

Rs 2,75,891

iii) Equipments

Rs58,72,580

iv) Others

Total :

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

(b) No. of students outside the state

2

(c) No. of international students

7

Women	No	%	Men	No	%
	136	28		358	72.4

Last Year						This Year					
General	S C	S T	OB C	Physically Challenged	Total	General	S C	ST	OB C	Physically Challenged	Total
532	31	3	124	2	692	616	91	5	84	1	797

Demand ratio Dropout % 5%

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT

IAS/IPS etc State PSC UPSC Others

PART B

DEPARTMENT WISE DETAILS

- SAP CAMPUS

5.32 Architecture

Criterion – I

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty	Total	Asst. Professors	Associate Professors	Professors	Others
	15	7	5	2	1

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
	8	2	5	1	2	1	9	-	24	4

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	4	1	1
Presented papers	7	-	-
Resource Persons	-	2	-

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	-	2	-	-
Outlay in Rs. Lakhs	-	265L	-	-

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
-------	---------------	----------	-------	------------	---------

4.6 Amount spent on maintenance in lakhs :	
i) ICT	24.3 L
ii) Campus Infrastructure and facilities	7.4 L
iii) Equipments	2L
iv) Others	-
Total :	101.5l

Criterion – V

5. Student Support and Progression

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
437	37	14	-

(b) No. of students outside the state

4

(c) No. of international students

18

Men		No	%	Women		No	%					
		142	30			332	70					
Last Year						This Year						
General	S C	S T	BC/ MB C	Physically Challenged	Total	General	S C	ST	M BC / BC	Physically Challenged	Total	
116	59	2	258	3	438	103	69	3	295	4	474	

Demand ratio

Dropout % 0.008

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	6	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	-

5.33 Planning

Part – B

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

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

2.2 No. of permanent faculty with Ph.D.

2

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

2.4 No. of Guest and Visiting faculty and Temporary faculty

4	8	-
---	---	---

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

90

Criterion – III

3. Research, Consultancy and Extension

3.2 Details regarding **major** projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	6	2	-
Outlay in Rs. Lakhs	10.00	147.67	28.17	-

3.3 Details regarding **minor** projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	2	-	-
Outlay in Rs. Lakhs	6.50	6.50	-	-

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	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

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

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	25	1	25	1	0	1	1	-
Added	-	-	-	-	-	-	-	-
Total	25	1	1	1	0	1	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
0	33	0	0

(b) No. of students outside the state

3

(c) No. of international students

0

No	%
-	-

No	%
-	-

Men

14

Women

19

Last Year (2014 – 15)						This Year (2015 – 16)					
General	SC	ST	OB C	Physically Challenged	Total	General	SC	ST	OB C	Physically Challenged	Total
10	3	0	24	0	37	6	4	0	23	0	33

Demand ratio 100

Dropout % 35

5.5 No. of students qualified in these examinations

NET	<input type="text"/>	SET/SLET	<input type="text"/>	GATE	<input type="text" value="6"/>	CAT	<input type="text"/>
IAS/IPS etc	<input type="text"/>	State PSC	<input type="text"/>	UPSC	<input type="text"/>	Others	<input type="text"/>

State/ University level

National level

International level

Annexure I

Pertaining to Part A

2.13 (i) Seminars / Conferences / Workshops / Symposia organized by the IQAC

Sl. No.	Date	Name of the AUTVS CQM activity	Names of Resource Persons	Beneficiaries	Number of Beneficiaries
1	19 - 21 & 27- 29 June 2015	Six Sigma Green Belt Programme	Dr K Narashiman Director, AUTVS CQM, AU	Employees and students from different companies and different colleges	13
2	17 - 19 & 25 - 27 July 2015		Dr.G.Rajendran Professor & Head (Retd.) Department of Mgmt Studies, AU Anna University		15
3	21 - 23 & 29 - 31 Aug 2015		Dr.M.V.Supriya Asso. Professor Department of Mgmt Studies, AU		13
4	18 - 20 & 26 - 28 Sep 2015		Dr. Hansa Lysander Manohar Associate Professor Department of Mgmt Studies, AU		14
5	4, 5, 6, 12, 13, 19, 20, 21, 26, 27 th Sept. 3 & 5 th Oct 2015	Six Sigma Black Belt Programme	Dr.D.Arivudainambi Asso. Professor Dept. of Maths, Anna University		10
6	18, 19, 20 & 26, 27, 28 th Dec 2015	Six Sigma Green Belt Programme	Dr.N.Ravichandran Executive Director (Retd.) Lucas TVS Ltd		8
7	4 th January 2016	One day Six Sigma Yellow Belt Programme	Dr.A.J.Jegadheeson Senior Manager Lucas TVS Ltd.		10
8	14 th Feb 2016		Prof.S.Ramadoss Chief Human Resource Officer Lucas TVS Ltd Mr.P.S.Sathyanarayanan Advisor Sundaram Clayton Ltd Mr.R.Vasu Sr.Vice President Brakes India Ltd Mr.R.S.Ramesh Divisional Manager Wheels India Ltd Dr. S. Rajkumar Vice President, (Operations) Rane (Madras) Ltd. Dr.N.Ganesan Professor, IIT Madras Dr.L.PrakashSai Professor & Head Department of Mgmt Studies IIT Madras		9

9	23 rd , 24 th , 25 th & 26 th February 2016	Training Programme on "Change Management and Capacity Building to improve Quality of Service"	Dr.S.Selvam Former Director, CUIC, Anna University & CMD, National Institute of Professional Excellence Mr.N.C.Sridharan Chairman Time Foundation Dr.V.Swaminathan Director, Vsam Associates Mentor – TQM/TPM/Lean Initiatives	Teaching, Administrative, Technical & Non-Teaching Staff of College of Engineering, Guindy	225
10	19, 20, 21 st & 27, 28, 29 th Feb 2016	Six Sigma Green Belt Programme	As above in Sl.No. 1 to 8.	As above in Sl.No.1 to 8.	18
11	14, 15, 16, 17 th March 2016	Training Programme on Effective Performance Management	Mr.L.Pattabiraman Proprietor Change & Challenge Training Foundation	Administrative Staff	228
12	20 th March 2016	Six Sigma Yellow Belt Programme	As above in Sl.No. 1 to 8.	As above in Sl.No.1 to 8.	19
13	18, 19, 20 th & 26, 27, 28 th March 2016	Six Sigma Green Belt Programme			6
14	26 th & 27 th March 2016	Q Quest '16 for Companies	Dr.N.Ganesan Professor, IIT Madras Prof.S.Aravindan Management Consultant	Different Companies	200
15	28 th March 2016	Five Companies Factory Visit cum TQM Seminar	Company personnel from Lucas TVS Ltd. Sundaram Clayton Ltd. Sundaram Fasteners Ltd. Wheels India Ltd. Brakes India Ltd.	Students of College of Engineering, Guindy, AC Tech.,and MIT, Anna University	162
16	17, 18, 19 th & 25, 26, 27 th June 2016	Six day Six Sigma Green Belt Programme	As above in Sl.No. 1 to 8.	As above in Sl.No.1 to 8.	13
17	19 th June 2016	Six Sigma Yellow Belt Programme			3
18	25, 26, 27 th June 2016	Lean Leadership Training Programme for UCAL Engineers			40

Annexure II
(Pertaining to Point 7.3 of Part B Consolidated at University level)

BEST PRACTICES

BEST PRACTICE 1: Website of the Centre for Research with facility for Online Status Checking

BEST PRACTICE 2: Academic Records Management System (ARMS) with facility for person and time based locking for enhanced security

BEST PRACTICE 3: Knowledge Data Centre for facilitating students and Faculty members to provide software solutions for sharing databases and for administrative and academic transactions

BEST PRACTICE 1

Website of the Centre for Research

1.1 Objectives of the Practice

- The number of Ph.D degrees awarded has increased from 396 in 2011 to 1226 in 2015.
- Currently more than 3000 research scholars from 540 Engineering colleges are pursuing Research.
- The Website is the FIRST OF ITS KIND which provides all necessary information to the research scholars from applying for PhD/M.S to the award of the coveted Degree.
- 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
- All important activities and amendments are communicated with immediate effect
- The formats for preparing synopsis, thesis, DC Meeting minutes, covering letter, checklist, etc. are provided in downloadable form for the scholars.
- A list of high impact factor journals is provided in the website for the scholars' reference.

1.2 The Practice:

The Website has been designed with the objective of providing all details that are required by the research scholar right from submitting the application to getting the degree through the following procedures:

- Conveying the important announcements, updates and amendments in a prompt manner to all stakeholders spread across the state.
- Providing the necessary circulars, references, formats, etc. to all the stakeholders in a transparent manner.

1.3 Information for prospective Research Scholars

- Call for Applications is announced in the Website with downloadable application forms.
- Unique method of providing a login for supervisor for approving the candidate who is submitting application.
- Online submission of application forms
- List of recognized Supervisors along with their respective area of specialization is provided in the website
- List of institutions recognized as nodal centers for conducting research is also available in the website.
- Supervisors can approve new applicants (submitting applications under their guidance) through their supervisor login facility. The login will be regularly used for executing the procedures for registered scholars

1.4 Information regarding R&D Centres recognized by Anna University:

- The list of recognized research centres is available online and is updated periodically with code number of each Centre
- Potential R&D Centres can apply online to obtain recognition. The application procedure is clearly given.

1.5 Facilitation for scholars while pursuing research

- The following regulations are available in the website in downloadable format
 - Ph.D
 - M.S by Research
 - Doctorate of Science (D.Sc)
- Scholar login facility is provided for submission of progress reports, synopsis, thesis, etc and also to facilitate the administrative procedures in connection with the research work

- All announcements along with downloadable formats are available on the website and updated periodically – E.g. For the Doctoral Committee Meetings, the claim forms, format for minutes, etc. can be downloaded from the website.
- Quality publishing is encouraged by providing a list of standard journals with high impact factors

1.6 Information after submission of synopsis / Thesis

- The status information includes : date of dispatch of synopsis/thesis, date of reminders sent to examiners and receipt of willingness from examiners and receipt of examiners report from the examiners.
- Maintaining confidentiality in the acceptance from examiners, sending the synopsis/thesis, receiving the reports from examiners, etc.

1.7 Information after receiving the Thesis Evaluation Report

- All forms required for 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.
- 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. This is helpful for research scholars in places far away from Chennai.

1.8 Evidence of Success

- Research scholars need not visit the Centre frequently.
- Confidentiality of information is maintained
- Communication Delay is avoided
- Online payment of fees
- Online authorization of the progress report by the supervisor
- Drastic reduction in Turn-around time - 5 months on an average from the time of submitting the synopsis to receipt of final reports from examiners.
- Plagiarism checking facility is available (URKUND)

1.9 Proposed Enhancements

- A FAQ facility can be provided for research scholars
- Links can be provided for forthcoming conferences, scholarship announcements (UGC / DST / INSPIRE)
- Supervisors can be provided links regarding calls for projects and research collaboration at national/international level.

BEST PRACTICE 2

Academic Records Management System (ARMS)

2.1 Objectives of the Practice

- Linking the student administration of the four campuses with the Academic Courses Section, Departments and Placement cell (CUIC).
- The System is the first of its kind – with time-based locking by the Controller office
- Turn-around time of one month (on an average) for publishing the end semester results from the date of last examination.
- Quick dissemination of information to all stakeholders including Vice Chancellor, Registrar, Deans of Campuses, Head of Departments, Chairpersons of Class Committees, Officials at the Placement Cell, Faculty members, Students and Parents depending on the associated role-based security.

2.2 Context and The Practice

- Anna University has four campuses and 12,500 students. Timely availability of internal assessment marks allows the students to improve their performance.
- The Class Committee Chairperson can review the progress and counsel the students.
- Head of the Department can undertake necessary follow up action.
- Students can view their results by accessing the system.
- Confidentiality is maintained.

2.3 Hierarchy for Information Availability

- 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.
- **Parents** can view the details of their wards
- **Students** can login and register for courses as well as view their marks

2.4 Students Admission

- After admission, the system provides **fees details for different courses**
- **Students list** is generated based on fees paid.
- Automatic generation of **Student register numbers**

2.5 Department Level processing of Students Data

- ARMS follows a three step process – Entry, Updation (by faculty) and Locking by the Controller Office
- Generation of Subject-wise Students List based on Registration.
- Faculty allocation by HODs
- Access to courses handled for faculty members
- Mark entry will be locked after a fixed time allocation fixed in advance for entering marks for assessments
- After the deadline, a faculty member has to submit a form (downloadable) through HOD to the ARMS system administrator. Thus, security is ensured.
- ARMS also provides for separate locking of attendance to determining the list of candidates who lack attendance to write end semester examination (prevention list).
- Automatic sessional marks calculation for each subject and Cumulative sessional marks for all subjects for a class.

2.6 University Level Processing of Students Data

- Generation of **course codes for the subjects** as per the curriculum.
- Generation of **prevention list** which the section authorizes.
- List of **common course instructors** from which a common course coordinator will be chosen by the Academic Courses Section.
- Handling of **Break of Study Information** of the students.

2.7 Centralized Processing for the Conduct of Examinations in all campuses

- Generation of **dummy numbers for students writing arrear examinations**.
- Generation of **Hall Tickets with photos** obtained from the student identity card section.
- Handling of **common courses by incorporating the normalization** suggested by the common course committee.

- **Allocating grades** according to grades fixed by the class committee. (including moderation)
- Provision for **reevaluation processing**. Tamper proof process 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.
- **Automatic allocation of third evaluator** in case the difference in the evaluation is high.
- Generation of **cumulative grade sheet** for every student along with arrear marks if any. This Grade sheet also comes with the photo ID.

2.8 Link with the Placements Cell (CUIC)

- 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.

2.9 Evidence of Success

- Easy availability of relevant and accurate information to all stakeholders.
- Speedy declaration of results 10 days, and availability of grade sheets one and a half months after the last date of examination.
- 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.

2.10 Proposed Enhancements

- Extra-curricular and co-curricular activities such as sports, seminar presented / organized etc. do not form part of ARMS. These aspects can be included.
- Electives preferred by students can be added
- Extension to all affiliated colleges
- FAQs regarding academic matters, regulations, placements etc. can also be added

BEST PRACTICE 3

Website of the Knowledge Data Centre

3.1 Objectives of the Practice

- To facilitate the promotion and excellence in teaching, research and governance by providing software and technology resources to Students, Staff, Faculty and Administrators of Anna University

3.2 The Practice

The website provides several services to the students and faculty members in order to meet its objectives. The various web based services are listed below:

- **Anna University Payment Gateway (AUPaG)**
 - To enable students to pay their fee online
- **Student Mail**
 - Student Mail facility using opensource.
 - Email can be created for a student by using the downloadable form – submitted through HOD
- **Student Smart Card**
 - To enable secure access to the services
 - Linked with Library and students section of the University for streamlining the student activities
- **Administrative Data Management System (ADaMS)**
 - Administrative Data Management System (ADaMS) for Employees
 - Employee details such as PF can be viewed.
 - Feedback can also be given by the employees
- **Faculty Information System (FIS)**

- Providing a database regarding the general and professional details of all the faculty members

- **Anna University Webcast (AU Webcast)**
 - Anna University Webcast provides video lectures and power point presentations on the topics pertaining to various faculties of study under the following categories:
 - Electrical Engg
 - Information & Communication Engg
 - Technology
 - Mechanical
 - Management
 - Science & Humanities
 - It also provides videos and instructions for KDC related information for the faculty members and students

Annexure III

(Pertaining to Point 7.6 of Part B Consolidated at University level)

SWOC ANALYSIS

CRITERION 1: CURRICULAR ASPECTS

Strengths

- Standard curricula and syllabi with periodical revisions
- Excellent curricular diversity
- Knowledge and research oriented curricula
- Choice Based Credit System to provide high level of academic flexibility

Weakness

- Choice of electives offered is limited to the availability of faculty members
- A common curriculum is followed in the first year for diverse disciplines

Opportunities

- To increase curricular diversity
- To increase Practical and research aspects of the curricula
- To bring about credit sharing with international universities and industries
- To explore international accreditation of the degree programmes

Challenges

- Deciding course equivalence, evaluation and credit sharing policies
- Including skill development, moral and ethical values of the profession as part of the curricula
- Introduction of application oriented programmes

CRITERION 2: TEACHING, LEARNING AND EVALUATION

Strengths

- The use of multi-mode and multi-media technologies in teaching
- Teaching and guidance by faculty pursuing research
- Use of assignments and case-studies
- Arranging industrial visits and guest lectures by academic and industry experts.
- Academic Records Management System (ARMS) software for maintaining and tracking students details by all the stakeholders concerned
- Choice Based Credit System to provide high level of academic flexibility
- Equal weightage for internal assessment and End Semester examination
- Subject-wise compulsory feedback by students through online process.
- Multiple Courses Committee meetings to monitor the students progress

Weakness

- Intense course content with inputs from diverse experts.
- 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

- Credit sharing among University, other institutions, distance education, self-study, credits for leadership qualities or services or innovative contributions
- Totally computerized examination and evaluation system
- Urban-rural disparity, socioeconomic disparity and language diversity among students
- Interactive Web based training
- Online forums for students, faculty and alumni

Challenges

- Major policy changes to be dealt with for credit sharing.
- Development of computerized integrated TLE requires major changes in the University management, administration and also the mindset of teachers and the students.

CRITERION 3: RESEARCH CONSULTANCY AND EXTENSION

Strengths

- More than 85% of the permanent faculty members possess Ph.D. degree
- All faculty members are engaged in active research (guiding M.S / Ph.D)
- A large number of faculty members take up funded projects and industrial consultancy
- Autonomous Centres/Institutes to carry out advanced research
- Centre for Technology Development and Transfer utilizes overhead charges from projects to promote product-oriented research and commercialize them.
- Establishment of several national facilities
- Research–friendly administrative set-up

Weakness

- Intense research becomes obsessive and senior faculty give higher priority to research than teaching
- Difficulty faced in meeting the exponentially growing demand by major research projects for infrastructure development (building and overheads) in the University

Opportunities

- In a number of emerging fields, mega projects are announced frequently by the Government
- 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

- Many reputed national and international organizations have signed MoUs in a variety of fields providing excellent opportunities for research collaboration.

Challenges

- To compete with high standards of research at global level.
- Robust mechanisms to convert laboratory research into useful products of industrial need/interest.
- Time to be dedicated by faculty members for research amidst their regular academic schedule.
- Better employability of Anna University graduates results in less number of highly capable students to take up research, as they prefer lucrative job offers.

CRITERION 4: INFRASTRUCTURE AND LEARNING RESOURCES

Strengths

- Sufficient number of class rooms, seminar halls and conference halls with videoconferencing facility, well-equipped practical and research laboratories, uninterrupted power supply, exclusive library and computer facility. All departments.
- Central library in all 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 intercom facility and a computer with internet connection.
- Attendance and assessment results are submitted on-line securely
- Extended facilities like Crèche for children, campus schools and Centre for women empowerment and SC-ST Cell
- Hostels to accommodate all the UG and PG students and 2 modern international hostels for NRI students

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 the largest affiliating University of the state, Anna University has enormous opportunities to match quality with quantity.

- Effective use of satellite based and DTH based training of teachers and students
- NBA accreditation has to be mandated for all the courses offered.
- Developing sustainable training models to train large number of students to improve their employability
- Upgradation of infrastructure to enhance the atmosphere conducive for productive outcome

Challenges

- Policies such as accreditation and auditing requires enormous persuasion and facilitation adding additional strain on the current workforce
- Research motivation requires sustained mentoring, especially for developing areas of research

CRITERION 5: SWOC OF STUDENT SUPPORT AND PROGRESSION

Strengths

- Anna University attracts the most brilliant students 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
- Numerous 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 offers funding support to student projects under the "Student Innovative Project Scheme"
- Excellent sports facilities are provided and the students regularly win prizes in regional and national competitions
- 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

Weakness

- Co- and extra- curricular activities affect the scheduling of assessment tests and require conduct of special classes.
- Competition among departments
- Student-organized 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

Opportunities

- Part funding of student events can be explored.

- Interdisciplinary events can be encouraged to improve cordiality and interaction among departments
- University Sports Board can organize regional / national / international events to nurture goodwill

Challenges

- To setup robust organization structure to manage the mega student events effectively and efficiently
- To organize global level meets with Foreign Universities/Institutions' collaboration.
- To promote Interdisciplinary events and multiple intuitional participation

CRITERION 6: GOVERNANCE, LEADERSHIP AND MANAGEMENT

Strengths

- The University is governed by the Statutory Act and the policies of the Government in admissions, recruitments, salaries etc.
- Faculty and staff have rich experience, maturity and track record.
- The Vice Chancellor is the supreme authority and chairs the Syndicate consisting of members from the government and diversified fields to take policy decisions.
- 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.
- Almost all decisions are collective involving a departmental committee or interdepartmental committees or committees appointed by the University.
- All stakeholders take part in running the affairs of the University

Weakness

- Gap between aspirations of the University at global level with local compulsions.
- The fee is highly subsidized for the economically weaker sections and therefore development largely depends on gratis sources.
- Revenue earning exercises in research projects affect quality time for research and the quantum of such support is unpredictable.
- Faculty members going on sabbatical leave affects the student-to-staff ratio and hence the quality of teaching outcome.
- ICT needs to be strengthened with respect to e-governance to speed up policy implementation and to maintain up-to-date record of happenings and achievements

Opportunities

- To produce graduates with high level of employability skills.
- To establish an academic staff college in technical education
- Credit sharing mechanisms among technical and non-technical institutions

- Flexible modes of education and exchange programmes with foreign Universities

Challenges

- Aligning with the changing national and state policies of technical education
- Balancing academic, research & administrative responsibilities of senior faculty members
- Fostering interdisciplinary degrees and research requires multi departmental interactions and sharing of resources.
- Overcoming technology obsolescence

CRITERION 7: INNOVATION AND BEST PRACTICES

Strengths

- There are 19 research centres/institutes and 24 service centres/institutes working efficiently and flourishing as models or prototypes
- Non-compartmentalized development promotes inter and intra departmental (including outside institutions) collaborative research
- UGC has offered UPE status to Anna University in the Biomedical Instrumentation domain.
- UGC has extended its funding support for the second phase of Centre with Potential for Excellence in Environmental Sciences
- DST has chosen Anna University to establish the first National Hub for Healthcare Instrumentation Development
- Centre for Technology Development and Transfer (CTDT) and an active IPR Centre funded by CTDT, promote student and faculty projects and offers industry interface through meets and expos, facilitation of technology transfer agreements
- 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.
- Scholarships for M.E students and M.S / Ph.D scholars are offered through several schemes.
- Collaborations with several reputed international institutions have led to many foreign nationals preferring Anna University for pursuing their studies. 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

- 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.