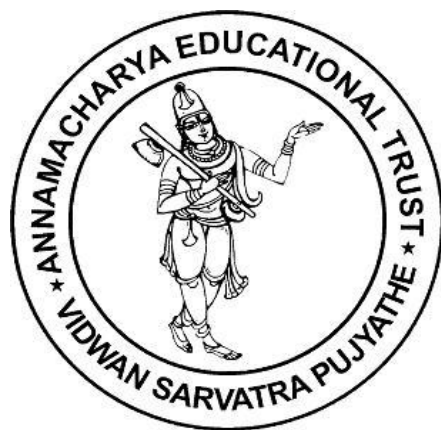


ANNAMACHARYA

INSTITUTE OF TECHNOLOGY & SCIENCES

(AUTONOMOUS)



Internal Quality Assurance Cell (IQAC)

and Submission of Annual Quality Assurance

Report (AQAR)

2015-2016



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

P. O. Box. No. 1075, Opp: NLSIU, Nagarbhavi, Bangalore - 560 072 India

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

I. Details of the Institution

1.1 Name of the Institution	Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet
1.2 Address Line 1	Tallapaka (Panchayath)
Address Line 2	New boyanapalli
City/Town	Rajampet
State	Andhra Pradesh
Pin Code	516126
Institution e-mail address	aitsap@yahoo.co.in drmallik@annamacharyagroup.org
Contact Nos.	08565251862, 63, 64
Name of the Head of the Institution:	Dr S M V Narayana
Tel. No. with STD Code:	08565251862
Mobile:	919666675279

Name of the IQAC Co-ordinator:

Mobile:

IQAC e-mail address:

1.3 NAAC Track ID (For ex. MHCOGN 18879): **APCOGN14053**

1.4 Website address:

Web-link of the AQAR:

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	B	2.49	2010-11	5 yrs
2	2 nd Cycle	B	2.71	2015-16	5 yrs
3	3 rd Cycle				
4	4 th Cycle				

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

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

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

- i. AQAR _____ First report (2015-2016) _____ (DD/MM/YYYY)
ii. AQAR _____ (DD/MM/YYYY)
iii. AQAR _____ (DD/MM/YYYY)
iv. AQAR _____ (DD/MM/YYYY)

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

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

Type of Institution Co-education Men Women

Urban Rural Tribal

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

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

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

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

Jawaharlal Nehru Technological University
Anantapur, Anantapuramu, (A.P)

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

Autonomy by State/Central Govt. / University	<input type="text" value="UGC"/>	<input checked="" type="checkbox"/>
University with Potential for Excellence	<input 152="" 467="" 487"="" 521="" data-label="Section-Header" text"="" type="text" value="---</input></td><td></td></tr></table></div><div data-bbox="/> <h2><u>2. IQAC Composition and Activities</u></h2>	

2.1 No. of Teachers	<input type="text" value="09"/>
2.2 No. of Administrative/Technical staff	<input type="text" value="02"/>
2.3 No. of students	<input type="text" value="02"/>
2.4 No. of Management representatives	<input type="text" value="01"/>
2.5 No. of Alumni	<input type="text" value="02"/>
2.6 No. of any other stakeholder and community representatives	<input type="text" value="01"/>
2.7 No. of Employers/ Industrialists	<input type="text" value="01"/>
2.8 No. of other External Experts	<input type="text" value="01"/>
2.9 Total No. of members	<input type="text" value="19"/>
2.10 No. of IQAC meetings held	<input type="text" value="08"/>

2.11 No. of meetings with various stakeholders: No. Faculty
 Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

1. IQAC is motivating teacher on quality improvement
2. IQAC encourages the research based work culture
3. IQAC recommends student centric core procedures

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
<ul style="list-style-type: none"> ✓ Remedial teaching ✓ Upgrade teachers knowledge based in advanced Research 	<ul style="list-style-type: none"> ✓ several students were benefited ✓ Teacher used modern strategies for teaching i.e. Power Point Presentation. ✓ Innovative Teaching methods are used.

* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate any other body

Provide the details of the action taken

Institute demerits were identified. IQAC is suggested to overcome such demerits.

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	11		11	
UG	06		06	
G Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	17		17	
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
(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- copy enclosed.

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
330	219	72	39	--

2.2 No. of permanent faculty with Ph.D.

58

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
54	03	05	--	--	--	--	--	59	03

2.4 No. of Guest and Visiting faculty and Temporary faculty

59

00

2.5 Faculty participation in conferences and symposia (2015-16):

No. of Faculty	International level	National level	State level
Attended	38	25	40
Presented papers	38	25	39
Resource Persons	Nil	04	05

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

Unique Teaching Methodology "Two way teaching method"

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

221

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

Single valuation system – evaluation outside campus

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

23

16

00

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

2.10 Average percentage of attendance of students

81%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinctions	I	II	III	Pass %
B.Tech- EEE	113	71	30	4	-	92.92
B.Tech- ME	131	61	42	04	-	81.68
B.Tech- ECE	178	98	60	1	-	89.33
B.Tech- CSE	111	62	25	1	-	79.28
B.Tech- IT	26	9	7	-	-	61.54
B.Tech- Civil	54	18	17	1	-	66.67
M.Tech- EPE	27	26	01	-	-	100
M.Tech- EPS	20	20	-	-	-	100
M.Tech- DESC	13	12	01	-	-	100
M.Tech- VLSI	12	12	-	-	-	100
M.Tech- ES	18	17	-	-	-	94.44
M.Tech- CSE	20	20	-	-	-	100
M.Tech- CAD/CAM	02	02	-	-	-	100
MBA	120	99	21	-	-	100
MCA	31	27	03	-	-	96.77

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

Substantial effort has been put up by IQAC to ensure an environment to achieve excellence in all aspects of teaching and learning and also focused on improving the quality of education and evaluation. The IQAC academic audit is carried out by the Principal. This was done in three stages.

1. All the teaching staff members submitted semester plan for conduct of theory and practical classes to their respective head of departments.
2. Monthly reports are collected from the teaching staff where in teachers give information regarding coverage of syllabus during that particular month. In case where syllabus was not covered as per schedule, the teachers were accordingly advised
3. At the end of the semester (during the internal audit) the teaching staff submits the monthly monitoring sheets to the respective heads of departments and through the Manager /Management Representative it is submitted to the Principal who examines whether the entire

syllabus has been completed as per the initial planning and appropriate steps are initiated to communicate the syllabus within the scheduled time.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	18
UGC – Faculty Improvement Programme	Nil
HRD programmes	10
Orientation programmes	101
Faculty exchange programme	Nil
Staff training conducted by the university	38
Staff training conducted by other institutions	48
Summer / Winter schools, Workshops, etc.	61
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	15	-	2015-2016	12
Technical Staff	06	-	2016-2016	Nil

Criterion – III

3. Research, Consultancy and Extension

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

- ✓ Action research was doing by faculty members for the various problems and issues of institute
- ✓ Faculty members are encouraged to publish research papers in reputed journals such as Scopus indexed and Sci* indexed

3.2 Details regarding major projects

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

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	--	--	--	10
Outlay in Rs. Lakhs	--	--	--	3.35

3.4 Details on research publications

	International	National	Others
Peer Review Journals	190	11	--
Non-Peer Review Journals	--	--	--
e-Journals	190	11	--
Conference proceedings	84	76	--

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	2015-16			
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	-	-	-	-

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

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

3.9 For colleges

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

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	03	--	--	-
Sponsoring agencies	-	SERB/Institute	--	--	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College
 Total

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	--
	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
03	01	02	--	--	--	--

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

05

03

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

02

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

JRF 03 SRF -- Project Fellows -- Any other --

3.21 No. of students Participated in NSS events:

University level 20 State level -
National level - International level -

3.22 No. of students participated in NCC events:

University level - State level -
National level - International level -

3.23 No. of Awards won in NSS:

University level - State level -
National level - International level -

3.24 No. of Awards won in NCC:

University level - State level -
National level - International level -

3.25 No. of Extension activities organized

University forum College forum

NCC NSS Any other

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

- ✓ Blood Donation Camp
- ✓ Programme on distribution of school uniform in nearby villages.
- ✓ Awareness Programme on right to vote.
- ✓ Awareness programme on women's rights.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities: 33 acres

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	20.69 Acres (32384.1 Sq.m)		Self	-
Class rooms	104	-	Self	104
Laboratories	41	--	Self	41
Seminar Halls	16	-	Self	16
No. of important equipments purchased (1-0 lakh) during the current year.	02	-	Self	02
Value of the equipment purchased during the year (Rs. in Lakhs)	1,40,68,665/-	-	--	--
Others	--	-	--	--

4.2 Computerization of administration and library

Library fully automated system
Fully implemented with bar coding system

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	2000	11,00000	300	10,0000	2300	12,00000
Reference Books	1000	3,00000	200	65,000	1200	3,65,000
e-Books	1013	-	-	-	1013	-
Journals	91	2,20,000			91	2,20,000
e-Journals	2000	5,40,000			2000	5,40,000
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	881	11	100 Mbps	01	01	10	25	10
Added	-	-	10 Mbps	-	-	-	-	-
Total	881	11	110 Mbps	01	01	10	25	10

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

Faculty development programme, orientation program and workshop have been conducted for the faculty members to enhance knowledge on technology up gradation. Special programme for internet access was conducted for the staff and students of this institute. Recently, we organized workshop on Tally9.0 package and usage to ministerial staff.

4.6 Amount spent on maintenance in lakhs:

i) ICT	47, 84,032/-
ii) Campus Infrastructure and facilities	9, 73, 78,972/-
iii) Equipments	1, 40, 68,665/-
iv) Others	12, 32, 19,396/-
Total:	23, 94, 51,065/-

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- ✓ IQAC organized and delivered lectures from time to time to make the students aware of the changing global scenario. Students were be given support service in seeking jobs opportunities not only locally but also globally. IQAC has been encouraging the student to develop skills, competencies and values among students. These are being imparted to the students through courses and other activities themselves.
- ✓ At the beginning of an academic year, IQAC sends a format to the Heads of Departments to collect the information regarding the support services to the students to be undertaken throughout the year. This will help IQAC to know the working of each Department and will help to prepare an Action Plan of the Institution. Monitoring of the working of the Departments are being done through meeting of the IQAC and this will direct the future course of action.
- ✓ IQAC motivates the faculty to maintain day wise academic dairy which help ensuring quality of teaching and accountability
- ✓ IQAC has been developing better internal communication between student and their department
- ✓ Encouraging eco-consciousness among students
- ✓ Grievances Re-dressal Cell is working for students support.

5.2 Efforts made by the institution for tracking the progression

- ✓ Regular observation
- ✓ Regular meetings/monitoring
- ✓ Faculty involvement through counselling system.
- ✓ Regular feedback from students

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
3172	597	--	--

(b) No. of students outside the state

04

(c) No. of international students

Nil

No	%
2503	66.41

Women

No	%
1266	33.59

Last Year (2014-15)						This Year (2015-16)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
287	87	13	215	05	628	464	87	10	309	0	870

Demand ratio 83% Dropout % Nil

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

- ✓ The Training and placement cell is providing coaching to various competitive exams such as Banks PO, Group-II, and Group –IV, UPSC and other examinations.
- ✓ AITS have certipoint and Pro-metric test centres on campus for any computer based examinations such as GATE, TOFEL, GRE and certification examinations

No. of students beneficiaries

157

5.5 No. of students qualified in these examinations

NET	--	SET/SLET	--	GATE	17	CAT	--
IAS/IPS etc	--	State PSC	--	UPSC	--	Others	--

5.6 Details of student counselling and career guidance

- Students per counsellor - 20
- ✓ Mode - Telephonic and Personal Meeting
 - ✓ Reporting - Monthly Report to the Head of Departments.
 - ✓ Area - Personal problem, Grievances and Motivation for better performance

No. of students benefitted

225

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
09	425	244	50

5.8 Details of gender sensitization programmes

Women Empowerment cell is conducted on gender equity and gender integration

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	Nil	-
Financial support from government	2438	9,21,58,100/-
Financial support from other sources	Nil	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs	: State/ University level	<input type="text" value="01"/>	National level	<input type="text" value="01"/>	International level	<input type="text" value="--"/>
Exhibition:	State/ University level	<input type="text" value="--"/>	National level	<input type="text" value="--"/>	International level	<input type="text" value="--"/>

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

Water Problem (Water purifier system is installed. Now students are getting filtered and safe water since two years).

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Our Vision

We impart futuristic technical education and instil high patterns of discipline through our dedicated staff who set global standards, making our students technologically superior and ethically strong, who in turn shall improve the quality of life of the human race.

Our Mission

Our mission is to educate students from the local and rural areas and from other states so that they become enlightened individuals, improving the living standards of their families, industry and society. We provide individual attention, world-class quality of Technical education and take care of character building

6.2 Does the Institution has a management Information System

Yes, Management information system is being used in accounts department, administration department and other departments.

Some of the MIS are

- ✓ Daily Absent Report (Staff)
- ✓ Daily Absent Report (Students)
- ✓ Monthly Defaulter Report

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

6.3.1 Curriculum Development

Curriculum involves interaction between teachers and earners, between learners and Learners, between learners and curriculum content.

The focus of teaching is more on making of meaning through learning than the transmission of concepts and skills.

Teaching is a complex endeavour. The following points were implemented by AITS for Curriculum Development for course set-up and teaching methodology

- ✓ Problem Identification in an area and General needs assessment
- ✓ Needs assessment of targeted learners
- ✓ Goals and objectives on chosen subjects or area
- ✓ Educational Strategies on chosen subjects
- ✓ Implementation
 - Introduction of curriculum
 - Administration of curriculum
 - Refinement of curriculum
- ✓ Evaluation and feedback
 - Individual evaluation
 - Program evaluation
 - Finding of outcome

6.3.2 Teaching and Learning

AIT follows the given methods for teaching and learning

1. Teacher-centered methods

In teacher-centered education, students put all of their focus on the teacher. The teacher talks, while the students exclusively listen. During activities, students work alone

Teacher Role: Authority

2. Student Centered methods

When a classroom operates with student-centered instruction, students and instructors share the focus. Instead of listening to the teacher exclusively, students and teachers interact equally. Group work is encouraged, and students learn to collaborate and communicate with one another

Teacher Role: Facilitator

6.3.3 Examination and Evaluation

- All components in any programme of study are evaluated continuously through internal evaluation and an external evaluation. Internal evaluation is done throughout semester/year in the form of mid examinations and assignments. External evaluation is done at the end of semester/ year in the form of end examination.
- Question paper setters for end examination are from outside the college. Subject experts from our institute prepare the scheme of evaluation, giving guidelines for the examiners for distribution of marks for different points in the question. In case of numerical problems, solution of the problems with distribution of marks for different stages should be given in scheme of marking. Feedback on question paper will be collected from subject experts to improve the quality of questions in future. Evaluation of answer scripts will be done by the external examiners from other colleges and universities.
- The method of evaluation involves coding & decoding of answer scripts to ensure unbiased evaluation. Evaluation process is transparent. Institute communicates the outcome of the evaluation by publishing results on the internet through Institute website.
- Students shall be permitted to request for recounting/ reevaluation of the end theory examination answer scripts within a stipulated period after announcement of the results.
- After recounting or reevaluation, records are updated with changes if any and the student will be issued a revised memorandum of marks. If there are no changes, the student shall be intimated the same through a letter or a notice.
- Based on the credits and marks obtained by the student Credit Point Average (CPA) will be calculate for semester/year and Cumulative Credit Point Average (CCPA) will be calculated for entire program. Award of class will be finalized based on CCPA.

6.3.4 Research and Development

Research and Development cell is an integral part of the activities of Annamacharya Institute of Technology & Sciences. The Institute conducts research investigations within its academic programmes under all the departments and the Academic Research Centres.

This cell is one of the wings of the Institute which facilitates, channelizes, records, and regulates all the academic, sponsored, collaborative research projects and consultancy works in the Institute. The objective of the Research Cell varies from the advancement of theoretical knowledge to development of new technology to solve practical problems.

The research conducted till now has covered areas such as theoretical and applied aspects of core science (physics, chemistry and mathematics), information and communication technology, electronics, electrical, artificial intelligence, machine design, manufacturing, product design, management, social sciences etc. The research projects have also acted as the training ground for the young post-graduates of our college.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Physical Infrastructure

AITs has sufficient seminar Halls/e-class rooms equipped with internet and projector with seating capacity of 100~150 members Faculty rooms, Head's chambers, Meeting rooms, Office, Class rooms, Tutorial rooms, Boys common rooms, Girls common rooms, Systems Laboratory equipped with 860 systems, communication Laboratory equipped with 70 systems, Research Laboratory, Library, Internet and wi-fi facility in the entire building.

Library

Printed books-titles: 9281, volumes: 47679, e-books: 1230, Journals: 100 e-Journals: IEEE, ASME, Delnet and J-Gate

Reading facilities, CDs Newspapers

Library Committee suggested a list of books based on interaction with the students and faculty members. This list was forwarded to concerned authority for sanction and purchase of books.

ICT Infrastructure

LCD projectors, HP, Dell Desktops, HP printers, Internet switches, Dot matrix printers 20 KVA UPS, 10 KVA ups, Power Generator (250 KVA), application software and systems software's

Sports

The institute has several sports facilities like Gym. Hall, Play grounds, carom boards, chess boards, badminton kits, cricket kit, TT kit, volleyball, football, etc. are available

3.6 Human Resource Management

AITS HRM encompasses

- ✓ Payroll
- ✓ Attendance
- ✓ Performance Appraisal (UGC-PBAS preform)
- ✓ Performance record

6.3.7 Faculty and Staff recruitment

Faculty

For qualitative improvement there were some changes in the recruitment. Proper advertisements were given and the faculty members were selected and appointed after going through following improved steps.

- ✓ First Step-General Interview by Director/Principal of the Institute
- ✓ Second Step-Subject and skill interview by department expert
- ✓ Third Step-Demonstration
- ✓ Fourth Step-Interview by Management and finalize the selections
- ✓ Fifth step – ratification by University selection committee.

Faculty Recruitment

Faculty for Undergraduate programs is as per the staff: Student Ratio i.e. 1:15 and cadre ratio is 1:2:6 (1 Professor 2 Associate Professor 6 Assistant Professors)

Faculty for Postgraduate programs is as per the staff: Student Ratio i.e. 1:12 and cadre ratio is 1:2:0 (1 Professor 2 Associate Professor)

Qualification, eligibility criteria, pay and pay scale are as per the AICTE, UGC & state government norms

6.3.8 Industry Interaction / Collaboration

The Industry Institute Interaction Cell (IIC) at AITS is intended to be the face of the institute to the industry. It aims to facilitate the process of close industry-institute interaction and actively promoting fresh avenues for the same. Industry interaction cell (IIC) at AITS strives to enhance industry interaction with students and bridge the gap between academic and corporate world. IIC invites thought leaders, entrepreneurs, executives and policy makers to address students thereby facilitating practical learning.

Major events organized by IIC, AITS Rajampet

- ✓ Guest lectures
- ✓ Industry visits
- ✓ Personality development and grooming sessions
- ✓ Placement sessions
- ✓ Summer Internships evaluation process
- ✓ CEO forums

6.3.9 Admission of Students

A candidate should possess the eligibility of 10+2 qualification from Board of Intermediate, Government of Andhra Pradesh with Mathematics, Physics and Chemistry as his/her optional subjects, or any other equivalent examination recognized as equivalent there to.

A student to step in four-year degree course in Engineering except NRI quota must qualify in "Engineering, Agricultural and Medical Common Entrance Test" (EAMCET), a State-Level Entrance Test conducted by the Govt. of Andhra Pradesh. Students who qualify in EAMCET entrance test will be admitted strictly on merit bases.

The Convener of EAMCET admits on merit secured in Intermediate or an equivalent examination and the rank secured in EAMCET.

The Management admits candidates for the Management and NRI quota based on merit and should possess first class is optional. Subjects: Mathematics, Physics, and Chemistry.

The Convener of ECET admits 10% of the candidates from the stream of Diploma Holders should pass in diploma from Andhra Pradesh State Government or an equivalent examination.

Similarly an UG & PG student joins based on ECET, PG CET & ICET's

6.4 Welfare schemes for

Teaching	--
Non teaching	--
Students	--

6.5 Total corpus fund generated

0/-

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	No	---	Yes	IQAC Cell
Administrative	No	---	Yes	IQAC Cell

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

For UG Programmes Yes No

For PG Programmes

Yes

No

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

- ✓ End examination question paper setters are from other colleges and universities.
- ✓ Examiners for end examinations are from other colleges and universities.
- ✓ Evaluation process involves coding & decoding of answer scripts.
- ✓ Recounting and revaluation facility is provided to student.
- ✓ Award of class will be finalized based on CCPA.

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

The JNTUA University effort to bring the autonomous status for AITS is:

- ✓ To promote academic freedom in autonomous colleges by encouraging introduction of innovative academic programmes
- ✓ To facilitate new courses of study, subject to the required minimum number of hours of instruction, content and standards
- ✓ To permit them to issue their own provisional, migration and other certificates
- ✓ To depute nominees of the university to serve in various committees of the autonomous colleges and get the feedback on their functioning
- ✓ To provide an opportunity to conduct examination more innovatively
- ✓ To Provide academic flexibility to the institute

6.11 Activities and support from the Alumni Association

An alumni meeting is conducted every year in the month of December. They regularly interact with the students to create awareness about an industry environment. Guest lecturers are also arranged for more awareness on industry.

6.12 Activities and support from the Parent – Teacher Association

Yet, to be established

6.13 Development programmes for support staff

Academic and Professional Development is drawing on the knowledge, experience and expertise of academic staff and support staff from the all departments across the Institute. Planned to complement the guidance and mentoring provided within campus s premises, the Programme aims to:

- ✓ Familiarize members of staff with key Institute policies and procedures
- ✓ Providing opportunities to reflect on and potentially enhance practice in teaching and research
- ✓ Enhance professional expertise
- ✓ Create an environment which provides the opportunity to share ideas and experiences with other academics issues in a Institute.

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

The AITS since 1997 has been making a conscious effort to establish the campus as a '**zero waste**' zone. A number of initiatives have been put in place to promote the concept of '**reduce, reuse and recycle**' and contribute mite to protecting the environment. The institute have the following eco-friendly scenarios. They are

- ✓ Waste Segregation
- ✓ Rainwater Harvesting
- ✓ Solar Energy
- ✓ Poly House

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.

To promote academic excellence in the teaching and research, the management of AITS has accepted to go for the status of deemed university.

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

IQAC planned the objectives for current year (2014-15) and its progress was monitored through action taken report monthly from all concerned persons. In its meeting these action taken reports were discussed and correction was done appropriately whenever it was required

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

Title of the Practice: The Annual Academic Retreat –IQAC initiative

Goal:

Aim: An Annual conscious planned effort by the entire Faculty to develop AITS as a Centre par Excellence.

- To serve as an effective platform for the faculty members of the various disciplines to come together to gain and contribute towards institutional development.
- To identify further measures for Quality initiative, Quality sustenance and Quality enhancement.
- Familiarizing with the performances of other schools under the management
- Identify any additional resources required for the forthcoming year
- To raise the institutional capabilities to higher levels ensuring continuous quality improvement.

The Context:

Over the past two cycles of NAAC Accreditation, the institution is constantly and consciously working on the quality related parameters. Annamacharya institute of Technology and Sciences is proud of its Committed Management.

All the faculty members are encouraged to be part of the process. The students are also involved in the bottom up Planning for setting goals for the year ahead.

The Practice:

The Annual Academic retreat is a unique practice adopted by the college for the past two decades as an occasion for the various schools to revise and finalize their planning strategies with regard to policies, activities and calendar for the new academic year.

Organized by: Internal Quality Assurance Cell

Period: May

Duration: 3 Days.

Participants: All the faculty members of the Departments

Total Number: Between 160-180 faculty members

Chaired by the College Principal & Director

Schedule:

Day 1 (9.00 am-5.00 pm): AITS Campus

Director / Dean, Academics and Examinations Speech followed by sessions handled by Invited Experts

Day 2 (9.00 am-5.00 pm)

After an early breakfast, General guidelines for planning the Strategic Planning exercise for the year is given to the common forum followed by department wise discussions

Day 3 (9.00am-2.00pm)

Presentation by the departments

Finalization of the Academic Calendar for the coming year

Departure back to the campus

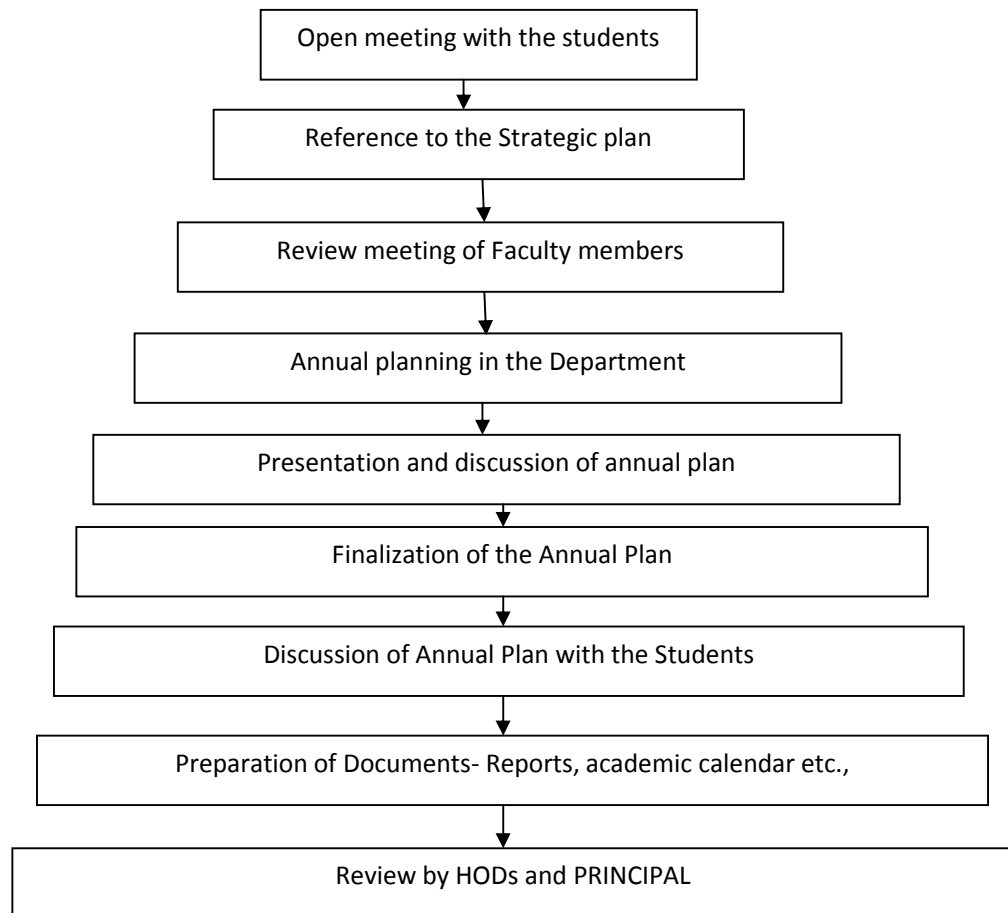
Evidence of Success

- All the faculty members have participate
- Departmental audit taken place.
- Common Institutional calendar is prepared for common events with the support of all the departments in one venue.
- Department wise Academic calendars are planned and implemented accordingly.
- Quality related bench marks are decided and agreed upon for implementation.
- More research and publication are the quality outputs.

The Annual Plan Document is referred by the different department during the weekly Departmental meetings and monthly General Staff meetings. The heads of the departments and the Principal reviews the annual plan during the department level and college meeting respectively.

Problems Encountered and Resources Required:

- No problems encountered.
- This requires advance and rigorous planning and the support of all the faculty members.
- This usually takes place during the month of May when the official vacation is announced.
- Financially it is burdensome for the college Management.



7.4 Contribution to environmental awareness / protection

AITS seeks to provide an education combining the generous arts, work and service with a strong commitment to environmental responsibility and cross-cultural understanding in a setting that promotes wisdom, spiritual growth and contribution to the common good.

AITS demonstrate its strong commitment to environmental responsibility through these commitments:

- ✓ Strive within the limits of practical considerations to conserve energy and resources, reduce waste, purchase environmentally friendly products, and minimize our adverse impact on the surrounding environment.
- ✓ Recognize and promote efforts to increase a deep, aesthetic, spiritually based awareness of our connection to the environment among the students of this institute and the larger community.
- ✓ Every year 25~50 trees are planted in the campus

7.5 Whether environmental audit was conducted? Yes No

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

Strengths

- ✓ Practical exposure in contemporary trend along with unvarying curriculum
- ✓ International exposure through various exchange programmes.
- ✓ Inception of several online and student – teachers exchange programmes
- ✓ Initiated several exchange programmes and resilient campus relationship.
- ✓ Sophisticated infrastructure, laboratories and research oriented platforms.
- ✓ Steering capacity building scheduled programmes to faculties of the university and its affiliated colleges.

Weakness

- ✓ Limited number of students' participation in career guidance programmes and placement
- ✓ Campus placement for under graduates are minimized due to less skills
- ✓ Lack of awareness among students on opportunities for better employment and higher education abroad for various courses offered by the institution

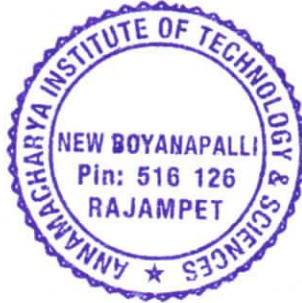
Identified

- ✓ Possibility of taking up new projects from International organizations, Central and State government agencies and other private sectors.
- ✓ The infrastructure provides a global platform for Research and other Collaboration programmes
- ✓ Convenient class and practical schedules for various major courses and other inter-disciplinary courses
- ✓ More collaborations and partnerships and internship training with the industries create employment opportunity for the students.
- ✓ Encouraging Student – teacher interaction for their enhanced performance.

8. Plans of institution for next year

Programmes planned for the year 2016-17

- Moodle based evaluation test (MCQ)
- Rubric based assessment of learning outcomes/graduate attributes
- Competence mapping and skill enhancement initiatives
- Mentoring to be strengthened through use of appropriate tools
- Impart social entrepreneurial skills to social work students
- To take up faculty development programmes
- Continuous employability enhancement Programme (Modular)



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