

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: TIRUPATI

ANNUAL REPORT FOR THE ACADEMIC YEAR 2014-15

(Presented by Dr. V.C. VEERA REDDY, Principal)

It is a privilege for me as the principal of this institute to present a brief report on the growth, curricular and co-curricular activities for the year 2014-15.

Annamacharya Institute of Technology & Sciences, Tirupati was established in the year 2007 in a 40 acre sprawling green campus with serene atmosphere and congenial learning practices, and is sponsored by the esteemed Annamacharya Educational Trust (Regd. 135/IV/97), Hyderabad.

Attributing the historical importance, Annamacharya, the beloved disciple of Lord Venkateswara, always cherishes to find his berth at his lotus feet; symbolically, the institute christened the name of 'Annamacharya' is established at the foot of Seven Hills the abode of lord Venkateswara.

The institution has completed 08 fruitful years in running both UG and PG courses in Engineering in addition to MBA. No account of institutional history can be complete without remembering the yeomen services of the management and especially the illustrious work of **Sri. C. Gangi Reddy, Honorary Secretary & Correspondent** of this institution, philanthropist, and educationist providing technical education to the youth in the backward region of Rayalaseema. He has started many educational institutions in the fields of Engineering, Pharmacy, Education, Teacher Training and Degree in Science & Arts.

The institution was started in the year 2007, offering 04 UG programmes in Engineering namely, CSE, ECE, EEE and IT with an initial intake of 60 in each, and with 3000 sq. mts of RCC. Consequently, Masters programme in Business Administration was added in the year 2008 with an intake of 60. With the constant growth in RCC, faculty resources and by considering the financial viability, institution is sanctioned additional courses namely, B.Tech Civil Engineering and B.Tech Mechanical Engineering in the years 2009 and 2010 respectively, with an intake of 60 in each. In addition, three more PG programmes in Engineering viz. **M.Tech (Power Electronics), M.Tech (Structural Engg.), M.Tech (Production Engg. & Engineering Design)** are started from academic year 2014-15. Presently students strength is 2200 and faculty strength more than 150. The institution has been gradually adding the RCC buildings to meet the RCC requirements stipulated by AICTE and affiliating university namely, JNTUA Anantapuramu. The institution is now provided with 23312 sq.mts of RCC comprising four blocks (A,B,C and D). Our campus is Wi-Fi enabled campus

The institution has obtained permanent affiliation status from the academic year 2014-15 for three consecutive academic years based on the university stipulated norms like mandatory 50 % faculty ratification, and mandatory establishment of physical resources like labs, infrastructure etc.

Adequate measures have been taken to build quality systems for continuous improvement of curricular and co-curricular activities.

The milestones in the history of AITS, Tirupati include:

- 1) Visit of NBA Expert Team for Accreditation of CSE, ECE and EEE is due.

The important challenges before us are:

- 1) NBA Accreditation of CE & ME
- 2) NAAC Accreditation
- 3) Autonomous Status

Basic Academic Programs

At present, the institution is offering five (05) undergraduate programmes in Engineering leading to B.Tech. Degree with a total annual intake of 840 students, eight (08) post graduate programmes in Engineering leading to M.Tech. Degree with a total annual intake of 180. In addition, other PG programme in business management, leading to MBA degree with a total annual intake of 180.

Our undergraduate programs are :

i)	Computer Science & Engineering	120
ii)	Electronics & Communication Engineering	180
iii)	Electrical & Electronics Engineering	180
iv)	Civil Engineering	180
v)	Mechanical Engineering	180

Our postgraduate programs are :

i)	M.Tech - Computer Science and Engineering	18
ii)	M.Tech - Computer Science	24
iii)	M.Tech - Digital Systems and Computer Electronics	18
iv)	M.Tech - Digital Electronics and Communication Systems	24
v)	M.Tech - Power Systems	24
vi)	M.Tech - Power Electronics	24
vii)	M.Tech - Structural Engineering	24
viii)	M.Tech - Production Engineering & Engineering Design	24
ix)	Master of Business Administration (MBA)	180

ADMISSION

Admission into B.Tech. / M.Tech. / MBA Programme is made in two categories: A & B.

- **Category-A:** Admissions for 70% of the sanctioned intake, will be made by the convener of Common Entrance Test (CET) through single window web counseling based on the rank obtained in CET conducted by State Government (APSCHE).
 - EAMCET - for admission into B.Tech Programmes
 - ECET - for direct admission into 2nd year B.Tech Programmes (FDH only)
 - PGECET - for admission into M.Tech programme
 - ICET - for admission into MBA / MCA programme
- **Category-B:** Admissions for remaining 30% of the seats may be filled by the Management as per the rules stipulated by APSCHE.
- **Lateral Entry:** 20 % of the sanctioned intake will be filled by the convener of ECET, for direct admission into II B.Tech under Lateral Entry Scheme, provided the candidates must have passed 3 year Diploma course in the concerned branch of Engineering and must have qualified in ECET conducted by APSCHE.

HIGHLIGHTS OF THE ACADEMIC YEAR 2014-15

INFRASTRUCTURE ADDED:

a) **New Academic Buildings : NIL**

b) **Laboratories:**

Laboratories for the newly introduced PG courses are established.

c) **Library:**

- With the recent addition of 1926 volumes, the total number of titles became 3,489 with total number of volumes 19,527.
- With the recent subscriptions the total number of physical journals subscribed has been raised to 197.
- The central library has been subscribed to online journals through DELNET of AICTE, and J-Gate of Informatics India to access more than 6500 online journals.

d) **Digital Library:**

- It is a part of the Central Library with Intranet with Internet access of 15 MBPs Shared.
- Video Lectures delivered by eminent professors from different IITs are downloaded from the website: <http://nptel.iitm.ac.in> (NPTEL - NATIONAL PROGRAMME ON

TECHNOLOGY ENHANCED LEARNING) and made available in the Digital Library.

☞ It has 20 Computer terminals to access Internet / e-Learning resources, National & International on Line Journals.

e) Online Journal Subscription:

The College has enormous volumes of e-journals like, IEEE, ACM, ASME, ASCE, McGH, J-GATE, ELSE VIER, ASTM, SPRINGER, DELNET, STM-J, EBSCO.

f) On Campus Hostel for boys :

A five storied RCC building for boys hostel to the extent of 3000 Sq. m. has been added to accommodate more than 200 boys.

g) Health Care Center in B-Block, with regular Doctor.

FACULTY AND STAFF

a) The College has highly qualified, well experienced, committed and ratified faculty for imparting Value based and Industry based technical education. We have Six Retired Professors from S.V. University. The total number of faculty on pay roll is well over the numbers as per AICTE norms that brings our teacher student ratio to 1:15 in case of UG and 1:12 in case of PG. As per AICTE norms, all the faculty members meant for UG and PG possessing either Master's or Ph.D degree in their respective disciplines.

AITS has been encouraging and partially sponsoring its faculty for higher studies. Many are pursuing their Ph.D as full time or part time scholars. Many of them have joined back the institute after acquiring M.Tech from various institutions. Few more are going to submit their thesis.

In addition to these, technical staff, support staff required for security, transport, maintenance, gardening and similar centralized facilities are recruited.

b) Research Awards:

c) Funding received from UGC / AICTE / MHRD / DST:

d) Research Projects / Research Paper Presentations / Publications:

e) Seminars / Workshops / Training Programmes Organized:

➤ Department of ECE has Organized **one week in house FDP** on 'MATLAB and its applications' in December 2014.

➤ Department of CSE has Organized **one week in house FDP** on 'Information & Communication Technology (ICT)' in December 2014.

- Each department has conducted national workshops, seminars and paper presentations. Some of our students have won prizes in various competitions conducted by other colleges.

f) Conferences / FDPs / Seminars / Workshops Attended by the faculty

- More than 35 faculty members have attended conferences / FDPs / seminars / workshops conducted by various reputed organizations to enhance their knowledge levels in the recent trends / developments in the relevant fields of Engineering, science & Technology.

g) Guest Lectures Organized

- It is regular practice for all the departments to organize guest lecturers frequently on the topics beyond the curriculum. Experts from industry and academia will be invited as resource persons.
- Guest lecturers have been organized for the benefit of faculty members. Prof. Y.Venkatrami Reddy, Former Vice Chancellor, JNTU and Dr. N. Jayarami Reddy, Former IGP, A.P, were the resource persons.
- Eminent scientist Dr. Ramachandra Murthy from SERC, Chennai delivered technical talk on advances in civil engineering.
- Academician and consultant Dr .Rama Mohan Rao from VIT University delivered lecture on Non - Destructive Testing Techniques.
- Faculty Development Program by NITTTR, Chennai is scheduled to be organized in third week of April 2015.

h) Professional Memberships :

The institution has started IEEE students chapter this year.

STUDENTS' ACTIVITIES

a) Examination Results / Competitive Exams / Achievements

- It has been the usual practice for majority of the final year student to appear for the GATE examination every year. Many of them are being qualified and are going for higher education, while a few are trying for jobs in PSUs.

b) Students' Co-Curricular Activities

➤ **IEEE Students' Chapter**

IEEE Students' Chapter was inaugurated by Prof. K. Lal Kishore, the then Vice-Chancellor, JNTUA, Anantapuramu on 6th September, 2014. He stressed the need for quality in education to be improved by the students by becoming member of this Communications Society and be imparted with employable skills. Our Student Branch code is **STB15891** and our school code is **60064456**. The registered members

are 110. He congratulated the college management and the student branch committees for having maximum number of registrations on the inauguration day as it crossed a century.

Dr. Sudhir Kumar Sinha, Professor, Indian Institute of Sciences, Bengaluru who was the guest of honour emphasized to concentrate on IEEE Scholarship(s) and improve Technical Writing Skills to publish papers in journal.

Mr. Kiran Sarva, Accenture India Ltd., Hyderabad articulated his views of career options and technology updates through IEEE.

Under the IEEE students chapter the following programs were organized.

1. Celebrated Engineer's Day on 15th September, 2014.
2. Celebrated Faraday's Memorial on 22nd September, 2014.
3. Organized an awareness program on **Road Safety and its Importance** on 10th October, 2014 in our premises.
4. Our Students participated in 24-hours IEEE Extreme Programming competition held on 18th October 2014. Nearly 5000 colleges participated in this event throughout the world and Number of teams which got ranked worldwide are 1720. Our students were ranked 913, 965 and 966 in world.

➤ **Skill Development Center**

Andhra Pradesh State Skill Development Corporation (APSSDC) has been established to tackle the shortage of skilled workforce in various sectors. To address this issue, APSSDC is establishing Skill Development Centers (SDCs) in Engineering Colleges, Polytechnics, and other institutions.

Honorable Chief Minister of Andhra Pradesh, Sri Nara Chandra Babu Naidu launched 17 SDCs in various engineering colleges through electronic method on 19th January, 2015. AITS, Tirupati is one among the 17 such centers. As part of it **Y. Smruthi, IV CSE** developed *Jago Kisan* apps and **Y. Nagaraj, IV CSE** developed apps on *Emergency Medical care*. In recognition of their most sought after apps, the honorable Chief Minister gave away 'presents' to them. They got the BEST APP DEVELOPMENT AWARD from A.P Chief Minister.

FIRST PROGRAM: App Development program (4-1-205 to 19-1-2015)

➤ **Symposia Organized**

A National Level Students' Technical Symposium is being conducted every year by all the departments simultaneously. It was conducted last year during 03rd – 04th April, 2015. Students from various engineering colleges participate in diverse

events with great enthusiasm and win the cash prizes. The technical events are judged by the experienced personalities from industry and academia.

All the Engineering Departments have inaugurated their **TECHNICAL ASSOCIATIONS** for the year 2014-15. Technical Association is a platform for its members to interact and exchange the ideas among them, to help improve the overall personality. And also to fulfill the objectives behind its initiation.

➤ **Industrial Visits**

As usual, this year also industrial visits have been organized for all the branches. Prominent industries are visited by the students of relevant engineering departments.

c) NSS Activities

The activities of NSS Units includes organizing:

- Community Development Programmes
- Blood Donation Camps
- Awareness Camp on AIDS
- Awareness programme on women rights
- Awareness programme on women empowerment
- Legal Literacy Camp
- National Voters' Day
- National Unity Day
- Seminars on Career Guidance and Employment opportunities
- NSS foundation day
- NSS Youth festival

d) Placements

- AITS lived up to its expectation in the placement for the outgoing batch of 2014-2015. More than 60 students have been placed in various MNCs so far during this academic year.

In the 8 years of journey, AITS has placed around 400+ students in various reputed companies like TechMahindra, TCS, InfoSys, InfoTech, CMC, OpenText, AmaraRaja, MEIL, Coco-Cola etc. Some more Companies are likely to visit. Our alumni are spread almost and every corner of the World. We are having MOU with JKC, CoCubes, IBM, and Microsoft. We are proud to announce that our campus is Microsoft Certified campus and IBM Center of Excellence.

- Training is being provided to the eligible final and pre-final year students so as to enable them to appear for OFF CAMPUS recruitment drive and also POOL CAMPUS DRIVE.

e) Alumni Association Meet

AITS is proud of its Alumni, who are well placed in reputed organizations and MNCs across the globe. Many of our alumni have successfully pursued their higher studies in reputed institutions in India and Abroad. Every student of AITS becomes a life member of the Association on completion of the course.

Alumni Association has been formed to help the alumni in various matters. It has been a platform for the AITSians to bring friends of same batch / seniors / juniors together, meet and interact. After registering in the college website, the member can access the database of all the alumni. Alumni are always given red carpet welcome to participate in any value addition programs for the benefit of the present students. The activities of alumni association are planned and executed by a working committee. Alumni meets / reunions are being organized regularly at college premises. Many of the alumni are visiting the college to meet their teachers, interact with students, deliver guest lectures, to engage training classes, and recruit students for their companies.

A General Body meeting will be held annually on the campus towards the end of the academic year to have close interaction with students, faculty and alumni who have been holding responsible positions in various industries and educational Institutions. This year's meeting will be held on **13th day of December, 2014**.

The members discuss various activities and necessary help to be extended to other Alumni in securing decent jobs. They also discuss the prospects in various fields and guide the fellow Alumni who are in need. They share their nostalgic memories of their student days on the campus; give a feedback for any changes in the conditions for betterment. They also share their professional experiences with other, counsel the others and get enlightened by other fellow Alumni. Members of alumni are in constant touch with the college through e-mails, and other social media.

f) Important Celebrations

1. Republic Day on 26th January every year
2. Independence Day on 15th August every year
3. Teachers' Day on 5th September every year
4. Engineers' Day on 15th September every year
5. Freshers' Day / Young Engineers' Day on 18th October 2014.
6. Orientation Day on 12th September 2014

g) Entrepreneurship Development Activities

h) Women Empowerment Cell (W E C) started to empower girl students in our campus and aims to enlighten their rights and duties. WEC was inaugurated on 04th March 2015 by

Ms. M. Sugunamma MLA, Tirupati and Ms. V. Pushpavathi, District Women TDP Leader.

We are grateful to the Management for their support and encouragement for the smooth conduct of various programmes in the college. We hope that the management will continue to extend the same for further development of the college.