



ANNUAL REPORT FOR THE ACADEMIC YEAR 2017-18

(Presented by Dr. C. Nadhamuni Reddy, Principal)

It's a privilege to me as the Principal to present a brief annual report on the growth, curricular, co-curricular and extra-curricular activities of the college for the year 2017-18.

The institution is in its 11th year of its establishment 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**, who provides technical education to the youth in the backward region of Rayalaseema. He has many educational institutions in the fields of Engineering, Pharmacy, Education, Teacher Training and Science & Arts.

This college started with an initial intake of 240 students in 3000 sq.mts of RCC in the year 2007. 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.

The institution has obtained permanent affiliation status from the academic year 2014-15 based on the university stipulated norms like mandatory 60 % faculty ratification, and mandatory establishment of physical resources like labs and other infrastructure for imparting Engineering skills.

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) Recognition of the Institution under sections 2(f) and 12 (B) of UGC Act, 1956.
- 2) Three UG Programmes in CSE, ECE and EEE accredited by the Institution of Engineers (India), Kolkata and also accredited by National Board of Accreditation (NBA), New Delhi
- 3) Institution is accredited by National Assessment and Accreditation Council (NAAC), Bangalore up to May 2021.

Basic Academic Programs:

This institute offers five undergraduate programmes in Engineering leading to B.Tech. Degree with a total annual intake of 720 students in the following branches:

i)	Computer Science & Engineering	180
ii)	Electronics & Communication Engineering	180
iii)	Electrical & Electronics Engineering	60
iv)	Civil Engineering	180
v)	Mechanical Engineering	120

This institute offers five post graduate programmes in Engineering and management leading to M.tech & MBA Degree with a total annual intake of 360 students in the following branches:

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

ADMISSIONS:

The 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 I Year of B.Tech Programmes
- PGECET - for admission into I Year M.Tech Programme
- ICET - for admission into I year MBA / MCA Programme
- ECET - for direct admission into II Year of B.Tech Programmes (Under LES)

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 admission into II B.Tech directly 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 for that academic year.

DEVELOPMENTS IN THE ACADEMIC YEAR 2017-18:

INFRASTRUCTURE / AMENITIES ADDED:

- a) **New Buildings:** 4000 sq. ft **Canteen** with seating capability of 200 and **Gymnasium** has been constructed and equipment worth of Rs. 10 lakhs is added for the use of students and the staff.
- b) **New “CM’s Skill Excellence Centre”** Computing Lab sanctioned by APSSDC is commissioned and the AP Government provided **37 laptops** worth **18 lakhs** with high-end configuration and is expected to receive one more centre on Artificial Intelligence in the next year. The centre will be used to organize workshops on recent technologies to staff and students.
- c) **IT Skills Lab** in ECE wing with 60 systems was inaugurated by Sri. Varun Gandhiji during his visit just 3 days ago.
- d) **Online e-books Subscription** has been done. In addition to that, we have 1500 e-Journals.
- e) **Health Care Center** is in separate block, with regular Doctor.

- f) **Internet:** Internet bandwidth has been upgraded to 100 Mbps from 65 Mbps.
- g) **Library:** Central library is equipped with adequate number of volumes. With the addition of few more volumes and titles, the number of volumes has reached to 25513 and the number of titles to 4324.
- h) **NPTEL Chapter** is established and 70 students got registered.

STAFF:

We have the required number of optimal mix of Senior Professors, Professors, Associate Professors and Assistant Professors meeting AICTE and affiliating university norms as per mandatory Student-Faculty Ratio (SFR) and Cadre Ratio. In addition, staff required for security, transport, maintenance, gardening and similar centralized facilities are available. Nearly 25% faculty members have their research degrees like Ph.D or M.Phil., and the remaining 75% have Masters Degree in their respective disciplines.

AITs has been encouraging and partially sponsoring its faculty to pursue higher studies. 23 faculty members are now pursuing their Ph.D in full time or part-time mode registered with various universities.

a) Research / Paper Publications

Altogether, there are 136 papers presented in conferences / published in journals of national and international repute.

DEPT.	CSE	ECE	EEE	CE	ME	H & S	MBA	TOTAL
INJ	6	20	8	44	11	4	5	98
NC		19						19
INC	2	9	8					19
	8	48	16	44	11	4	5	136

b) Research & Development Activities

Faculties are continuously putting their efforts to get fund support for Research & Development activities. Proposals were submitted seeking financial assistance from:

- SPDP-Skill and Personality Development Programme Centre for SC/ST Students, worth Rs. 21.33 lakhs
- RPS – Research Promotion Scheme, worth Rs. 36.99 lakhs
- MODROBS - Modernisation & Removal of Obsolescence, worth Rs. 53.25 lakhs
- FDP – Faculty Development Program, worth Rs. 14 lakhs
- GOC- Grant for Organizing Conference, worth Rs. 5 lakhs
- Entrepreneurship Development Institute, worth Rs. 2.39 lakhs
- MeITY, worth Rs. 2.5 lakhs

c) Research Degrees Received / Thesis submitted By the Faculty

Two faculty members in ECE have received their Ph.D

- Smt. Irala Suneetha, HoD (ECE) has completed her Ph.D from S.V. University under the guidance of Dr. T. Venkateswarlu, Professor in ECE, SVUCE, Tirupati and been promoted as Professor in the Department of ECE.
- Smt. N. Pushpalatha, Assistant Professor in ECE has completed her Ph.D from JNTUH Hyderabad under the guidance of Dr. B. Anuradha, Professor in ECE, SVUCE, Tirupati and been promoted as Associate Professor in the Department of ECE.

d) Seminars / Workshops / Training Programmes / FDPs Organized

- No. of Seminars: **10**
- No. of Workshops: **09**
- No. of Training Programmes: **10**
- CRT was conducted to Final Years for 100 hours in three phases and in addition, 2 phases of coding training was also given.
- Company Specific Training was also given to the students when companies like IBM, InfoSys and Cyient visited our campus.

e) Seminars / Conferences / Workshops Attended By The Faculty

S.No.	Dept	FDPs	Workshops	Conferences	Total
1	CSE	03	01	02	06
2	ECE	01	02	28	11
3	EEE	-	-	-	-
4	ME	01	03		04
5	CE	02	09		11
6	H & S		01	20	21
				Total	53

f) Guest Lectures Organized (26)

- Sri. Feroze Varun Gandhi visited our campus and gave a lecture on **“Vision for new India”** to our students and staff, and urged the students to contribute more to the society for seeking economic growth of nation.
- Prof. P. Vikram Kumar, IIT Madras had a session on “Matlab & its Applications”.
- Prof. K. Nagi Reddy, HoD, Dept of ECE, NBKRIST talked about Role of Signals and Systems.
- Sri. P. Muni Gangadharam, Sub-Divisional Engineer of BSNL spoke about Communications that will rule the future.
- Prof. O. Mohammad Hussain, HoD, Dept of Physics, SV University, was invited to our campus on National Science Day and spoke about importance of Sciences in everyday life.
- Prof. T. Sitakumari, Dept of Law, SPMVV, Tirupati visited our campus on occasion of conducting National Level Competition on Legal Rights for Women.
- Sri. SR SWAMINATHAN, Senior Director, Virtusa Polaris- Chennai gave a seminar on What Industry needs from students as employees.
- Sri. Naveen Williams, HR Executive, Virtusa advised students to build a unique resume to compete in industry.
- Sri. Shrinivas Narayan, Senior Director-Engg., Intel Corporation of India interacted with students on innovation ideas.
- Sri. Suzene Smith, OECC, Australia gave introduction and awareness on Australian Higher Education and the list continues....

g) Industrial Visits Organized this academic year (11)

- Students of ECE visited NARL, Gadhanki.
- Students of CSE visited SHAR, Sriharikota.
- Students of EEE visited Hydrel Power Plant at Srisailam Canal, Srisailam.
- Students of ME visited ICF – Chennai and Amararaja – Tirupati.
- Students of MBA visited Coca Cola Beverages, Tirupati.
- Students of CE dept scheduled the visit to SHAR next week.

h) Professional memberships enrolled:

The Institution is member in the professional societies like IEEE, IETE, CSI, ISTE, IE(I), QCFI, CMTI and IIPE etc.

DEPT.	CSE	ECE	EEE	CE	MBA	TOTAL
ISTE		11				11
IE(I)		8				8
IAENG		24		7	2	33
IMES		2				2
UACEE		19				19
IETE		4				4
IEEE	2					2
IAETSD		3				3
ISRD				7		7
AIMA					1	1
TOTAL	2	71		14	3	90

STUDENTS ACHIEVEMENTS:

Altogether, there are 2008 students in B.Tech, M. Tech and MBA.

a) Results / Achievements

Results obtained in percentage last year / 2017 passed out batch students:
Branch wise Results Analysis

DEPT.	ECE	EEE	CSE	CE	ME
Total number of Students appeared	81	67	46	178	94
Number of Students Passed	53	51	25	117	81
Number of Students Passed in Distinction	45	40	15	89	52
Number of Students Passed in I Class	08	11	10	28	29
Pass percentage	65.43	76.12	54.35	65.73	86.17

Overall College Results Analysis:

Total number of Students appeared	466
Number of Students Passed	327
College Pass percentage	70.17

UG - B.TECH (2017 Passed out Batch)

Toppers List

IV B.TECH (2013 Batch)

Roll No.	Name of Student	Branch	Aggregate
13AK1A0310	DHANUSH KUMAR M	MECH	81.86 #
14AK5A0217	SAJAL KUMAR BABU D	EEE	81.09 #
13AK1A0428	KIRAN MAYEE N	ECE	80.33 *
13AK1A0426	KEERTHANA R (W)	ECE	78.12 #
13AK1A0532	MOUNIKA D (W)	CSE	77.49 *

13AK1A0516	HARINE K (W)	CSE	76.83 #
13AK1A01F3	YAKSHAREDDY B	CE	79.87 *
13AK1A01D0	TARUN KUMAR K	CE	75.08 #

* Securing Maximum academic Aggregate

Securing Maximum academic Aggregate without any Backlogs

M.TECH

Roll No.	Name Of Student	Branch	Aggregate
15AK1D2011	SHAIK SHAZIYA NAZ	STRUCTURAL ENGINEERING	84.57

MBA

Roll No.	Name of Student	Branch	Aggregate
15AK1E0043	VENDOTI MOUNIKA	MBA	77.00

IV B.TECH (2014 Batch)

Roll No.	Name of Student	Branch	Aggregate
14AK1A04A6	SWETHA SOUNDARYA N	ECE	82.49
14AK1A0511	DEEPA K	CSE	79.16
14AK1A0171	SAI ROOPA M	CE	78.05
14AK1A0211	SIVA KISHORE REDDY S	EEE	76.59
15AK5A0306	LOKESH NAIK A	ME	68.14

I B.TECH

Roll No.	Name Of Student	Branch	Aggregate	Gpa
17AK1A0410	KOKKANTI ASWINI	ECE	93.63	9.57
17AK1A0464	D MONISHA	ECE	92.63	9.71

MBA

Roll No.	Name Of Student	Branch	Aggregate
16AK1E0053	ADDANKI SASI	MBA	75.75

b) Awards / Rewards received, if any

- Ms. S. Yashaswini from II Year ECE got first prize in Poster making Contest at CII – IWN organized by Amararaja Batteries Pvt Ltd.,
- Mr. M. Balaji from III ECE got selected as Mentor for iB hub Bootup Series at KSRM Kadapa
- Spoken Tutorial Project – In this academic year, 1344 students of all branches got registered in the courses of Netbeans, Python, XFig, Java, C & CPP, Geogebra, LATEX, LibreOffice Suite Base.
- 389 Students, trained and certified in C, CPP and Android Courses conducted by skilled trainers under APSSDC Program.
- 16 teams participated in JNTUA Engineering Tech Fest – 2k18 in two phases viz., at district level, 11 teams got selected for next phase and at university level, 4 teams got selected and participating in the State Level Engineering Tech Fest 2018 being organized by CTE, AP govt.

c) Papers Presented in Symposia/Conferences/Published in Journals

120 papers are published in various national & international Conferences and Journals.

d) Technical Symposia Organized

Two Day National Level Technical Symposium and Project Expo in this style of “TechnoSangraam 2k18”, conducted on March 16th and 17th in our campus. We received nearly 200 papers and 150 were selected and presented by students of different states namely Tamilnadu and Karnataka in large numbers. Project Expo showcased the innovative talent of students and number of teams that competed was around 20 from all departments. Spot events were the highlight on the next day with programmes like Bridge Testing, Short Films, Dubsplash, Dumb Charades and Nature Photography. Many students actively participated and enjoyed the events.

- Overall Participation of students was around 300.
- Overall Prize distribution for all winners was Rs. 50000/-

e) Placements

The total number of B.Tech/M.B.A students placed during the academic year 2017-18 so far is 82 and expecting few more companies to visit after university examinations. Even during the recession, our management with its team brought nearly 31 companies to the campus.

The following are the Companies visited the campus so far: IBM, Infosys, Amara Raja, Techmahindra, Cyient, Genpact, Maintec, Preva, Face, Hyundai, Technovert, Acheron, GGK Technologies, Medhaservo, Efftronics, Sonata Software, Multiplier Solutions, CPC, Ramtech, Agna global Solutions, Bajaj Capital, Sevyait, Firmnxt, Dmart, IndustryArc, Zoho, Hakuna Matala, Infant Engineers, Infanion, Raam Group, Sentini GeoSol and ABC .

f) Sports & Games / Extra-Curricular Activities

We offer facilities for a variety of extracurricular activities. Sports and games are the key ones here. Our students and staff participate in them regularly. The annual sports meet was held on 15th March to 25th March 2018. Games like Cricket, Throwball, Tennikoit, Volley Ball, Shuttle, Chess, Carroms, Shot-Put, and Disc-Throw are conducted.

We have many student clubs that organize different cultural events in the campus during the evenings providing a great deal of entertainment and relaxation.

g) Social Work & Extension Activities / Institute Social Responsibility

The NSS unit of AITS is actively functioning with annual membership of 100 student volunteers. The NSS activities are broadly categorized into **Regular Activities, and Special Camp Activities**. The NSS unit is offering various kinds of charity-oriented works in the nearby villages by conducting several social service activities like: awareness camps, Free Medical Camps (01), Blood Donation Camps (01), Tree Plantation in rural areas (2 times, 500 saplings) and also **One Week Special Camp** by adopting one local village, Venkatapuram. We hope the co-curricular and extra-curricular activities will further increase in the years to come and earn laurels to the institution.

Special Activities like Dental Hygiene Camp, Digital Transaction Encourage Drive, ODF Survey, Swachh Pakhwada, Swachh Sankalp Se Swachh Siddi Campaign, Memory Improvement and Personality Development, International Yoga Day, Rashtriya Ekta Diwas and some other important days were conducted.