



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
Name of the head of the Institution	Dr. SMV Narayana
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08565251861
Mobile no.	9666675279
Registered Email	aitsap@yahoo.co.in
Alternate Email	narayanasama@yahoo.co.in
Address	AITs, New BOyanapalli, Rajampet, Kadapa(District), Andhra Pradesh-516126
City/Town	Rajampet
State/UT	Andhra Pradesh
Pincode	516126

2. Institutional Status	
Autonomous Status (Provide date of Conformant of Autonomous Status)	04-May-2011
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	K. Ajay Kumar Reddy
Phone no/Alternate Phone no.	08565251862
Mobile no.	9703926212
Registered Email	aitsap@yahoo.co.in
Alternate Email	iqac.aitsr@gmail.com

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	https://aitsrajampet.ac.in/images/pdf/aboutus/AOAR-2018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://aitsrajampet.ac.in/images/pdf/calendar-19/II-III-IV-BTech-Academic-Calendar-2019-20-min.pdf

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	A	3.03	2019	01-May-2019	30-Apr-2024

6. Date of Establishment of IQAC	12-Jan-2012
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by	Date & Duration	Number of participants/ beneficiaries

IQAC		
Regular Meetings of Internal Quality Assurance Cell	11-Mar-2020 1	30
Induction Program for first Year students	12-Aug-2019 02	700
Awareness on Assessment methods	03-Aug-2019 03	20
AISHE data Submission	31-May-2020 05	5
Participation in NIRF ranking	14-Dec-2019 07	10
NBA SAR Preparation	23-Nov-2019 60	20
Academic and Administrative Audit	16-Mar-2020 08	5
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NIL	NIL	2020 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

1

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Collection, analysis of Feedback from all stakeholders and action taken for improvement. Academic Administrative Audit (AAA) conducted. An Awareness Program on Implementation of OBE and its Assessment is conducted. Participation in NIRF. Applied for a New Undergraduate course - Artificial intelligence and data sciences for the academic year 202021.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
5. Students satisfaction survey is planned.	Student Satisfaction Survey is taken from the students through google forms.
4. To improve teacher quality by encouraging and supporting them to participate in workshops, conference, seminars etc.	The number of faculty development programs, workshops has been conducted for the faculty to enrich the knowledge and to be competent with outside world.
3. Preparation and Submission of data to AISHE	Submitted data in AISHE web portal
2. Monitoring student progression through Mentoring	Student mentoring is a continuous process and it is being done effectively. The attendances, internal and external marks of the students are shared to their parents for information and a necessary action towards their ward.
1. To conduct at least three meetings with all the members of IQAC.	In the academic year 201920, we could conduct only 02 meeting with the members of IQAC due to Accreditation work for NBA
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14. Whether AQAR was placed before statutory body ?

No

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

No

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

31-May-2020

17. Does the Institution have Management Information System ?

No

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	G6	Civil Engineering	07/07/2019
BTech	G2	Electrical & electronics Engineering	07/07/2019
BTech	G5	Mechanical Engineering	07/07/2019
BTech	G3	Electronics and Communication Engineering	07/07/2019
BTech	G1	Computer Science and Engineering	07/07/2019
Mtech	P8	Structural Engineering	07/07/2019
MBA	P1	Master of Business Administration	07/07/2019
MCA	P2	Master of Computer Applications	07/07/2020
Mtech	P7	Electrical Power Systems	07/07/2019
Mtech	PF	Machine Design	07/07/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	10/05/2012	Environmental Science	07/05/2017
BTech	Civil Engineering	10/05/2012	Hydraulics and Hydraulic Machinery	07/05/2017

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Civil Engineering	07/07/2019
BTech	Electrical and Electronics Engineering	07/07/2019

BTech	Mechanical Engineering	07/07/2019
BTech	Electronics and Communication Engineering	07/07/2019
BTech	Computer Science and Engineering	07/07/2019
MBA	Master of Business Administration	07/07/2019
MCA	Master of Computer Applications	07/07/2019
Mtech	Structural Engineering	07/07/2019
Mtech	Embedded Systems	07/07/2019
Mtech	Electrical Power systems	07/07/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	07/07/2019
BTech	Electrical and Electronics Engineering	07/07/2019
BTech	Mechanical Engineering	07/07/2019
BTech	Electronics and Communication Engineering	07/07/2019
BTech	Computer Science and Engineering	07/07/2019
MBA	Business Administration	07/07/2019
Mtech	Structural Engineering	07/07/2019
Mtech	Electrical Power Systems	07/07/2019
Mtech	Embedded Systems	07/07/2019
Mtech	Machine Design	07/07/2019
Mtech	Computer Science and Engineering	07/07/2019
MCA	Computer Applications	07/07/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Importance of Softwares in Civil Engineering	10/07/2019	49
Archi CAD	05/08/2019	52
AUTOCAD 3D basics	03/02/2020	33
Hybrid Electric Vehicles	03/01/2020	33

CNC	23/10/2019	60
Assertion Based VLSI Design	16/09/2019	120
Basics for MATLAB Proramming	13/08/2019	85
Aptitude and Reasoning Skills	28/08/2019	64
Block Chain Technology	01/07/2019	51
Advances in Four Wheeler	28/10/2019	60
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	4
BTech	Electrical and Electronics Engineering	160
BTech	Mechanical Engineering	95
BTech	Electronics and Communication Engineering	200
BTech	Computer Science and Engineering	185
MBA	Business Administration	125
MCA	Computer Applications	64
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

<p>Feedback Obtained</p> <p>Overview: Feedback process comprises of the collection and analysis of feedback which allows the college to continually monitor and improve the quality of the student learning experience and for holistic development of the institution. Process: The feedback from the stakeholders is obtained at different stages. Feedback questionnaire caters to the various aspects of the college like Academics, laboratory facilities, library, administration, sports facilities, drinking facilities, washrooms, computing facilities and canteen. Feedback from the parents is collected during parents meeting or during parent teacher interactions. Feedback from alumni is taken during the gathering of alumni i.e. second Sunday of every year in the month of December. Feedback is also</p>
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collected from the teachers for the design and development of curriculum. The feedback questionnaires will be given by IQAC and the same will be refined as per the requirement in order to formulate the questionnaire with quality.

Student feedback: Student feedback is taken at the end of the semester and the collected information is analyzed. The points are calculated according to the rating given by students on a scale of 1 to 5 as poor(1 point), average(2 points), good(3 points), very good(4 points) and excellent(5 points). The average and percentage of various criteria are calculated. **Action Taken:** The summary of the students' feedback is elucidated as strengths and weaknesses. These strengths and weaknesses are discussed in the meeting of concerned committees and decisions are made for future development.

Parent Feedback: Feedback is also taken from the parents during Parent meetings organized by the institute. **Action Taken:** Responses and comments given by them are put forward for the development.

Teacher Feedback: Feedback on courses is taken from the teachers on a scale of 1 to 5, as poor(1 point), average(2 points), good(3 points), very good(4 points) and excellent(5 points). The percentages are calculated. **Action Taken:** The summarized information is sent to the feedback committee of individual departments for further proceedings which helps in the design of curriculum.

Alumni Feedback: The feedback from the alumni for identifying the strengths and weakness of the institute and the same is considered for the development. The different areas where improvements are required are discussed in respective committees. The proposals given by the different committees and departments are discussed in Governing Body of the college for necessary action.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	Embedded Systems	5	1	1
Mtech	Structural Engineering	5	2	2
MBA	Business Administration	54	8	8
BTech	Computer Science and Engineering(Shift-II)	18	18	18
BTech	Electronics and Communication Engineering(Shift-II)	18	18	18
BTech	Computer Science and Engineering	54	54	54
BTech	Electronics and Communication Engineering	54	54	54
BTech	Mechanical	54	7	7

	Engineering			
BTech	Civil Engineering	54	6	6
BTech	Electrical and Electronics Engineering	54	4	4
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	3056	342	190	62	22

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
274	274	12	48	8	3

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

AITs have a very strong and effective system of student mentoring called the “student mentoring system”. In this system there is a designated person called Chief Mentor (preferably Head of the Department) who is responsible for the smooth running of the system. In this system each faculty member called as mentor is assigned a group of 15-20 students for whom the faculty member will be the academic counselor/advisor/guide/mentor. The faculty member will advise the students regarding the selection of elective subjects, Project work, preparing for interviews etc to name a few. The faculty member will monitor the academic progress of the students assigned to him. The chief mentor will guide the faculty in the process and also formulate the policies from time to time. The mentors maintain the record of each mentee including parents’ information, educational background, socio-economic status, class- attendance, class-performance and academic progress. Even, at the first year level the mentors are allocated to each student for supporting and guiding them to set the goals in order to accomplish them in their four year course. The mentoring system comprises of both formal and informal, whereby formal mentoring focus on academic aspects and informal mentoring focus on the gender sensitivity and social responsibility of the students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3398	274	1:12

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
295	262	35	12	54

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. K Prasad	Associate Professor	Best Educator Award
2019	Dr. PC Senthil Mahesh	Professor	Best Teaching Faculty
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
Mtech	P8, P7, PB, P3	II Sem	27/11/2020	31/12/2020
Mtech	P8, P7, PB, P3	I Sem	15/02/2020	19/02/2020
BTech	G6,G2,G5,G3,G1,G4	IV Year II Sem	15/09/2020	25/09/2020
BTech	G6,G2,G5,G3,G1,G4	IV Year I Sem	23/11/2019	02/01/2020
BTech	G6,G2,G5,G3,G1,G4	III Year II Sem	09/12/2020	31/12/2020
BTech	G6,G2,G5,G3,G1,G4	III Year I Sem	22/11/2019	02/01/2020
BTech	G6,G2,G5,G3,G1,G4	II Year II Sem	13/11/2020	31/12/2020
BTech	G6,G2,G5,G3,G1,G4	II Year I Sem	25/11/2019	02/01/2020
BTech	G6,G2,G5,G3,G1,G4	I Year II Sem	07/12/2020	31/12/2020
BTech	G6,G2,G5,G3,G1,G4	I Year I Sem	10/01/2020	19/02/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
165	3516	4.69

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
G6	BTech	Civil Engineering	87	82	94.25
G2	BTech	Electrical and Electronics Engineering	131	128	97.71
G5	BTech	Mechanical Engineering	92	86	93.48
G3	BTech	Electronics and Communication Engineering	202	199	98.51
G1	BTech	Computer Science and Engineering	165	164	99.39

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://aitsrajampet.ac.in/images/pdf/aboutus/SSS-2019-2020-compressed.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	NIL	NIL	Nill	NIL

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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	DST	1451702	0

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
A Special Talk on "INNOVATION - NEW ECONOMIC CHALLENGES"	Incubation centre	11/02/2020
Enterprise and Startup Development	Innovation and Incubation Centre	17/07/2019

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Automatic Solar Railway Gate	P.Krishna Reddy	Pavan Empower Solutions	14/03/2020	Innovative model Exhibition

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Communication Engineering	1
Information Technology	1
Computer Science and Engineering	3
Electrical and Electronics Engineering	1
Humanities and Sciences	3
Mechanical Engineering	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Humanities and Sciences	44	Nil
International	Civil Engineering	5	Nil

International	Electrical and Electronics Engineering	21	Nil
International	Mechanical Engineering	24	Nil
International	Electronics and Communication Engineering	33	Nil
National	Computer Science and Engineering	29	Nil
International	Computer Science and Engineering	43	Nil
International	Information Technology	19	Nil
National	Information Technology	3	Nil
National	Humanities and Sciences	1	Nil
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Master of Business Administration	7
Humanities and Sciences	28
Information Technology	2
Computer Science and Engineering	15
Electronics and Communication Engineering	4
Mechanical Engineering	1
Electrical and Electronics Engineering	4
Civil Engineering	1
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
AN IMPROVED AIR SUSPENSION SYSTEM	Published	330216	24/01/2020
PORTABLE WATER PRODUCTION FROM DRAINAGE WATER USING REVERSE OSMOSIS TECHNIQUE AND EFFICIENT COUNTER FLOW HEAT EXCHANGER	Published	336801	13/05/2020
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Symbiotic organisms search algorithm based solution for real power loss minimization using OUPFC device	P.B Chennaiah	International journal of recent technology and engineering(IJRT E)	2020	Nil	AITS	Nil
A Superior control techniques in wind generation system under grid faults	P.B Chennaiah	International journal of Innovative technology and Exploring engineering	2019	Nil	AITS	Nil
A PV module integrated converter for enhanced performance in standalone and micro grid applications	Dr M.Padmalalitha	International journal of innovative technology and exploring energies	2019	Nil	AITS	Nil
Integrated scheduling of machines, avgs and tools in multi machine FMS using crow search algorithm	N.Siva Rami Reddy	International journal of computer Integrated manufacturing	2019	Nil	AITS	Nil
Effect of load model and	Dr M.Padmalalitha	Lecture notes in Electrical	2019	Nil	AITS	Nil

load level on DG placement by crow search algorithm		Engineering				
Measurement of Temperature of the Core of Concrete during Progressive Compressive Loading using Temperature Sensors	Dr. SMV Narayana	International Journal of Innovative Technology and Exploring Engineering	2020	Nil	AITS	Nil
Strength and Durability Properties by Replacement of Natural Zeolite and Fly ash in Ordinary Portland Cement	T Naresh Kumar	International Journal of Innovative Technology and Exploring Engineering	2020	Nil	AITS	Nil
Assessment and Design of Steel frame Structure, consists Performance of Connection Joints with Tekla Staad Pro	T Naresh Kumar	International Journal of Innovative Technology and Exploring Engineering	2020	Nil	AITS	Nil
Effect of nanosilica on properties and durability in cement	T Naresh Kumar	Materials Today: Proceedings	2019	Nil	AITS	Nil
Geopolymer Brick by	NR Gowthami	International Journal of	2019	Nil	AITS	Nil

Using Flyash, GGBS, Silica Fume and Kadapa Slab Dust		Recent Technology and Engineering (IJRTE)			
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
NIL	NIL	NIL	Nill	Nill	Nill	NIL
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	58	236	Nill	Nill
Presented papers	31	20	Nill	Nill
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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
NIL	NIL	NIL	0
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	0	0
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Root Cleaning in back area of Campus	AITs-NSS Unit	2	60
International Day of Peace-Awareness	AITs-NSS Unit	4	120
Social services	AITSR-NSS Unit	20	100

at Vontimitta Sree Rama temple			
International Yoga Day	AITSR-NSS Unit	10	100
Jala diwas-jala Sakthi Abhiyan	AITS-NSS Unit Civil Engg Dept	15	250
Social Service at Sowmyanathaswami Temple	AITS-NSS Unit	5	100
World Breast Feed week	AITS-NSS Unit Anganwadi Secretary	10	60
Mega Plantation Program	AITS-NSS Unit	20	600
Essay Writing Competition on Importance of Telugu Language	AITS-NSS Unit	8	120
Telugu Varoathsavalu	AITS-NSS Unit	5	100
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
District Level NSS Youth Festival	Winner-District Level	JNTUA-DLYF	5
University Level Youth Festival	Winner-University Level	JNTUA-ULYF	2
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Awareness Program	AITS-NSS Unit	International AIDS day-Essay writing	4	100
Womens Day Celebrations	AITSR-NSS Unit WEC	Womens Day Celebrations	30	500
World Breast Week	AITS-NSS Unit	World Breast feed week celebrations	6	60
Clean Green	AITS-NSS Unit	Root Cleaning at back area of Campus	2	60
Clean and Green	AITS-NSS Unit	Cleaning and Plantation Program	5	120

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
NIL	NIL	NIL	0

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
NIL	NIL	NIL	Nil	Nil	NIL

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
German Center for Engineering and Management Studies, Aachen Germany to establish an Applied Robot Control (ARC) Lab	23/10/2019	Training to students in Robotic Control.	80
AIC-SKU confederation an ATAI Incubation centre	09/07/2019	Technical/Startup activities	40

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
100	39.79

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing

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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
INSPROPLUS	Partially	-	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	23749	7093530	400	195888	24149	7289418
Reference Books	35673	9149110	542	265428	36215	9414538
e-Books	10400	13570	Nil	Nil	10400	13570
Journals	88	209889	4	48143	92	258032
e-Journals	3400	1112638	Nil	Nil	3400	1112638
Digital Database	2348	Nil	Nil	Nil	2348	Nil
CD & Video	2300	Nil	Nil	Nil	2300	Nil
Weeding (hard & soft)	152	47039	Nil	Nil	152	47039
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nil
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1025	14	1025	14	0	101	19	200	0
Added	0	0	0	0	0	0	0	0	0
Total	1025	14	1025	14	0	101	19	200	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
--	--

NIL

NIL

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
100	92.32	850	803.17

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

Physical, Academic Facilities: Physical infrastructures like classrooms, Gallery, seminar halls, toilets, ladies waiting halls are maintained by the supervisor under the supervision of AO's.. To maintain hygiene the classrooms, seminar halls, toilets are cleaned twice in a day. Adequate in-house workers are employed for maintenance on the campus to clean classrooms, staffrooms, seminar halls and laboratories. Dustbins are located at appropriate places. For maintenance of electrical works, plumbing are available in the campus as in-house workers. Regular cleaning of water tanks, removing the garbage to maintain cleanliness is done by the workers. Laboratory: Laboratory maintenance is regularly done by the concerned lab technicians under the supervision of Lab-in-charge and the same is recorded in maintenance register. Lab-in charges are responsible for the safe and smooth functioning of the equipments and facilities. Stock registers and consumables are recorded regularly by the lab in-charges. The record consists of information related to the service of equipments, periodical repairs or damaged and the same is submitted by the head of the department to the principal for approval if any. Log books are maintained in each laboratory to ensure entries and problems encountered during the laboratory session. Depending on the necessity the service is being done periodically by the concerned technicians from the enterprises or suppliers of the equipment. Library: Central Library is automated partially with Inspro plus software. Software is used to assist the library for operations like acquisition cataloguing, circulation, OPAC, stock verification etc. For procurement of books, journals, references the recommendations are called up from each department and put forth the same before the library committee. The library committee recommends the books, references, journals for procurement. The central library is also equipped with computers with internet facility to access the information digitally. Books are stacked systematically in the stacks branch wise separately to ensure easy access for the faculty and students. The reference books are placed in a section separately for easy access. The library committee looks after the maintenance, procurement, disposal of old versions of the books. The stock registers are properly maintained by the librarian. Sports: Sports utilities are made available for all the students. Ball Badminton, Tennis court , Cricket ground, football ground, handball, Volleyball courts are maintained with lush greenery by the workers under the supervision of physical director. Sports utilities are issued to the students after depositing the Student ID after the regular class work. Sports committee will look after the preparation of schedules, conducting the games and sports regularly. The physical director keeps a well-maintained record of all the sports utilities. Ground staff regularly performs the marking of the play fields, and makes the courts for practice matches. Computers: The computer laboratories are completely maintained by the respective lab Technician allocated for each laboratory. The stock register, log books are maintained by the lab technicians under the supervision of a lab in-charge of respective department. The allocation of labs for regular academic works and

examinations is completely monitored by the central computer lab coordinator.

<https://aitsrajampet.ac.in/images/pdf/Policies%20for%20utilizing%20facilities.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	FINANCIAL SUPPORT	9	432000
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Placement Training	25/07/2019	63	Training and Placement Cell
Gate Classes	16/09/2019	276	Department of CSE
Bridge Course	15/07/2019	62	Department of Civil Engineering
Remedial Coaching	20/08/2019	259	Department of Civil Engineering
Mentoring	10/07/2019	254	Department of Civil Engineering
Career Counselling	12/07/2019	117	PRADEEP AUGUSTUS ASSOCIATE MANAGER HR
Career Counselling	13/07/2019	117	RASHEED MA GENERAL MANAGER HR-ADMIN MY HOME GROUP HYDERABAD
Skill Development	17/07/2019	60	APSSDC
Skill Development	17/07/2019	120	APSSDC
Skill Development	17/07/2019	120	CATIA
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed

2019	Campus Recruitment Training	Nil	91	Nil	8
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
15	15	30

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
AMARA RAJA BATTERIES	135	10	DMART	80	8
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.Tech	Civil Engineering	Chadalawada Venkata Subbaiah college of Engineering	M.Tech (Structural Engineering)
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	5
Any Other	25
Any Other	4
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Cultural	Institute	227
Sports	Institute	446
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international

level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	winner	National	1	Nil	18701A0102	ABDUL KARIMULLA SHAIK
2019	second prize	National	Nil	1	18705A0231	K.Sathish Kumar
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

A Student Council is a representative structure for students, through which they can become involved in the affairs of the institution, working in partnership with college management, staff and parents for the benefit of the institution and its students. Six different post of students' council i.e. General Secretary, Technical secretary, Cultural Secretary, Sports Secretary, Magazine Secretary and Ladies Representative are allocated to each department based on rotation system. Each department selects their representative from students and staff for the allocated post. Student representatives from the council take part in various decisions making, academic and administrative works based on the quorum and meetings at their level. Student members are involved in several Technical and Extra-curricular activities at institute and departmental levels.. General Secretary look after all the activities of student council and take part in taking decisions and will approach the higher authorities to propose or to solve the issues or problems raised by the students community through council members. Ladies Representative will look after the women welfare. Issues and Problems are solved by decision making. Sports secretary Tentatively plans the sports schedules in consultation with the physical director and the same is placed in the calendar. The adequacy of the sports facilities will be addressed by the secretary. Technical secretary address the students involvement in various professional body chapters like ISTE, ASME, ASCE, IEI, IEEE etc. Also look after the national level technical fest "ANNAMACHARYA TALENT MEET" conducted every year to encourage the students for paper presentations to enhance technical and communication skills. Cultural secretary look after the implementation of cultural activities as per the calendar to the all-round development of students. Also Schedules in coordination with a faculty member. Magazine secretary collects the information of various activities like technical sports, cultural and any other developments organized in the institute and publish the same in the magazine twice in a year. In all the activities students are encouraged to participate for the improvement of leadership skills.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of Annamacharya Institute of Technology and Sciences (AITS) is a registered society (Regd. No: 35/2008, registrar of societies, Kadapa). The primary objective is to enroll all alumni as members of the association and facilitating active participation of the alumnae in appropriate activities, events, and initiatives of the Institute. The AITS Alumni Association is an official unit of the Institute with the secondary objective of facilitating the pleasant and friendly interface to all the AITS alumnae and

creating a single semantic web of AITS fraternity. The AITS is truly proud of its brilliant alumni who are currently positioned all over the globe and have distinguished themselves in all spheres of high-end engineering and technology. Mentorship: Alumni are expected to play an active role in voluntary programs such as mentoring students in their areas of expertise. Institute is to utilize the rich experiences of old students and to assist the present students in securing suitable jobs.

5.4.2 – No. of registered Alumni:

824

5.4.3 – Alumni contribution during the year (in Rupees) :

110500

5.4.4 – Meetings/activities organized by Alumni Association :

01

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Practice-1: Curriculum development for new regulations AITS commits for quality at various levels. Among them curriculum development is the most crucial one, which place the students as distinctive. All the stakeholders are involved in designing and implementation of the new regulations which is decentralized activity. The course coordinators in the department consider the Alumni feedback, Model Curriculum given by AICTE, other renowned universities and opinions of industry experts in the same area for framing the syllabus. The proposed syllabus is forwarded to the Department Advisory Board(DAB) for approval. The Department Advisory Board discusses deliberately and the recommends the same to the chairman of Board of Studies. The chairman of Board of Studies, experts from various bodies discusses deliberately and brought up with the recommendations for finalizing the curriculum. The formulated curriculum is reviewed by the Academic Council and if it is satisfactorily made then it will be sent to the governing body for their final approval. If the curriculum is not satisfactorily made then it will be sent to Board of Studies for revision. The entire process is completely decentralized i.e., participative bottom up approach is followed so as to enable all the stakeholders in decision making. Practice -2: Leadership abilities and Participative management: The students, faculty are involved in various committee to work effectively and to take appropriate decisions and to acquire managerial skills. Student Council play an important role in the conduct of events related to technical, sports and cultural activities where students are involved in decision making and indirectly helping them to acquire leadership skills. The technical committee organizes the event titled "ATM" every year for encouraging the students to display their stuff. The technical secretary consists of members from students and organizes the events under the guidance of teaching and non-teaching staff of college. The cultural secretary conducts various competitions throughout the year for encouraging the students in consultation with a faculty coordinator. Sports secretary in consultation with the physical director plans and schedules the sports throughout the year.

6.1.2 – Does the institution have a Management Information System (MIS)?

No

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	<p>The program curriculum development committee constitutes the chairman of the board of studies, university nominee, subject expert and members from the department considers the feedback from the faculty, students, parents, alumni, industry experts and standards proposed by professional bodies and Model curriculum proposed by AICTE. Based on the feedback the recommendations are proposed and presented to the Board of Studies. The chairman of Board of Studies, experts from various bodies discusses deliberately and brought up with the recommendations for finalizing the curriculum. The formulated curriculum is reviewed by the academic council and then sent to the governing body for the final approval.</p>
Teaching and Learning	<p>The instructional comprises of both ICT and traditional methods. The classrooms are facilitated to the new modes of teaching and learning. The focus is made on Student centric approach by involving the learners participate actively. The faculty members are trained on ICT methodologies. The faculty members are also encouraged to attend faculty development programmes, workshops, seminars to cope up with the technological advancements in their respective field. Participative learning method is adopted for effective learning.</p>
Examination and Evaluation	<p>To maintain the efficacy in the conduct of examinations and evaluation, two sets of questions papers are set by outside subject experts from reputed institutions approved by the Board of studies. 30 of the marks are allocated as internal marks through Continuous evaluation which are evaluated by the respective faculty and 70 marks are allocated to Semester end examination. The semester end examination evaluation is done by external subject experts identified by the chief controller of examinations from time to time. Revaluation facility is provided to the students. Internal Scrutiny is done after the external evaluation for the discrepancies' in the interest of the</p>

students not to lose their credibility.

Research and Development

A research committee is placed in forth to motivate the faculty towards research for the holistic development of the institute. The committee also organizes workshops on paper publishing, effective paper writing skills etc., Research proposals are prepared and send to the funding agencies like DST, SERB, DBT etc. Encouraging the students to work on new ideas and making them realistic through publishable papers. Financial assistance is provided for the faculty to attend the conferences for presenting the papers.

Library, ICT and Physical Infrastructure / Instrumentation

Central library has a large collection of books, journals, competitive examination books inspirational talk on various disciplines covers employability and academics. Library also consists of mythological and encyclopedia books for access to students. Issues and returns of the books are completely computerized. It also collects rare books, manuscripts, special reports to benefit the students and faculty for their knowledge enhancement. Every department is provided with LCD projectors, and overhead projectors to enable ICT method of teaching. All the departments and various functioning units are provided with all the required infrastructure facilities like classrooms, seminar halls, faculty rooms, girls waiting halls, and laboratories.

Human Resource Management

Faculty members are recruited as per the norms of AICTE. Faculty members are also involved in administrative works wherever necessary. Faculty members are encouraged to attend workshops, faculty development programs, short term courses and conferences.

Industry Interaction / Collaboration

Workshops and seminars are being organized to the students in collaboration with industry. Students are encouraged towards internships to get a real time work experience. Industrial visits are scheduled periodically. Industry people are also participating in the development of curriculum wherever it is possible.

Admission of Students

Admission of students into the institute for both undergraduate and

post graduate are based on the common entrance tests conducted by the Government of Andhra Pradesh like, EAMCET for undergraduate and PGECET ICET. Seats in each programme in the institute are classified into two-categories i.e., Category-A and Category-B. Category -A seats leading to a total of 70 shall be filled through counselling as per rank secured by the candidate in the common entrance test leading Category-B seats leading to a total of 30 shall be filled by the institute as per GOs issued by Government of Andhra Pradesh.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Important information is disseminated through SMS for all the stakeholders. Notices and circulars are placed in the website for the information and also displays on LCD TV in the main building. Students select the elective subject through Google forms.
Examination	Examination schedules are displayed in the Institute website. Examination Fee payment is made online. After the evaluation the marks are computerized and the results are automated to the institute website.
Student Admission and Support	Information on Academic calendar, Course curriculum and timetables are displayed in the website.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	V.Ravi Kumar	Recent Trends in Pure and Applied Mathematics	NIL	2500
2019	N. Ananda Reddy	ICASET-19, Advances in Science, Engineering and Technology	NIL	2500
2019	M.Uma MAheswar	Recent Trends in Pure and Applied Mathematics	NIL	1730

2019	S Harinath Reddy	International Conference on Mathematical Sciences and Applications	NIL	3000
2019	C.Madana Kumar Reddy	International Conference on Smart Computing and Control systems	NIL	2970
2019	P Chandra Reddy	Recent Trends in Pure and Applied Mathematics	NIL	1830
2019	K. Ramesh Babu	Recent Trends in Pure and Applied Mathematics	NIL	1980
2019	S. Harinath Reddy	Recent Trends in Pure and Applied Mathematics	NIL	1610
2019	K.Rohini	International Journal of Furture Revolution in Computer Science Communication Engineering	NIL	3000
2019	T.N.Ranganatham	International journal of Innovation Technology Exploring Engineering	NIL	5000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	BIG DATA ANALYTICS AND MACHINE LEARNING	NIL	18/11/2019	30/11/2019	16	Nil
2019	NIL	Hands on program on	22/07/2019	22/07/2019	Nil	4

Microprocessor and Interfacing trainer kits

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
BIG DATA ANALYTICS AND MACHINE LEARNING	16	18/11/2019	30/11/2019	13
Exploring Autocad software for drafting and design	10	11/11/2019	21/11/2019	11
FUNDAMENTALS OF ELECTRIC DRIVES	4	29/07/2019	20/09/2019	54

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
274	274	130	130

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>1. Medical and Maternity leaves are sanctioned for the faculty. 2. Financial support is provided for faculty attending conferences and workshops. 3. Well-equipped Sports facilities are provided. 4. RO drinking water (Cool) at various locations 5. Recreation center is provided for the faculty. 6. Medical facility with qualified staff in the institution</p>	<p>1. Training programmes are offered for the non-teaching staff for knowledge enhancement 2. Medical and Maternity leaves are sanctioned for the staff. 3. EPF facility for Non-teaching staff. 4. Full time Medical facility with qualified Doctor and nursing facilities are available in the institution and an ambulance is available. 5. Well-equipped Sports and Gym facilities are provided. 6. RO drinking water at various locations.</p>	<p>1. Full time Medical facility with qualified Doctor and nursing facilities are available in the institution and an ambulance is available. 2. Well equipped Sports and Gym facilities are provided 3. RO drinking water at various locations. 4. Financial Assistance is provided for participation in any technical events, projects etc.</p>

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal and external audits are carried for all the financial activities during the financial year. The accountant maintains all the financial statements and submits them to the requested authorities as when required. The internal Audit committee consists of 05 members. Internal Audit committee verifies the bank account transactions, ledgers, bills, cashbook, cash flow and vouchers physically. The overall record will be shared with the finance committee. An Annual external audit is done by a chartered accountant and the reports are submitted to the management. The finance committee ratifies the reports during the finance committee meetings conducted every year. The remarks raised by the auditor are complied with in the stipulated time. The funds received from the government and other agencies are audited and the reports are sent to the funding agencies as per the guidelines.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	Nil	Nil
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	Institute Internal Audit Committee
Administrative	No	Nil	Yes	Institute Internal Audit Committee

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. A meeting of Parent - Teacher is conducted once a Year. Feedback on curriculum and facilities is taken in prescribed format from the parents and is analyzed for further improvement. 2. Student mentoring and details of the ward will be shared to the parents through mentors. 3. Monthly Attendance reports of their wards are sent to the parents through post. 4. Mentors Personally make a calls to the parents to inform about internal marks and external marks of their wards.

6.5.3 – Development programmes for support staff (at least three)

1. Skill development programmes are offered to the staff at no cost. 2. Encouraged to improve the qualification through continuing education or distance education . 3. Well Equipped Sports and Gym activities.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. Proposed to apply for NBA Accreditation for the eligible branches 2.

Participation in NIRF ranking 3. Proposed to increase the number of outreach programmes like workshops, conferences to improve the quality in education

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Guest lecture on Rehabilitation Engineering and Study of Cochlear Implant	06/07/2019	06/07/2019	06/07/2019	70
2019	Workshop on Industrial Robotics	15/07/2019	15/07/2019	20/07/2019	80
2019	World Space Week	04/10/2019	04/10/2019	06/10/2019	300
2020	Recent Trends in Electronics Industry	18/05/2020	18/05/2020	23/05/2020	35
2019	An Awareness Program on Responsibilities of students in the society	04/10/2020	04/10/2020	04/10/2020	250
2019	Orientation program for first year students	21/08/2019	21/08/2019	21/08/2019	300

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male

Yoga Day	21/07/2019	21/07/2019	60	40
Awareness on Breast Feeding	01/08/2019	07/08/2019	40	20
International AIDS Day- Essay Writing	01/12/2019	01/12/2019	60	40
District Level Youth Festival	20/01/2020	20/01/2020	90	110
National Voters Day	25/01/2020	25/01/2020	100	150
Women's day Celebrations	08/03/2020	08/03/2020	500	Nil

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
500kW

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Physical facilities	Yes	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	4	4	01/07/2019	11	Plantation program	Environmental Protection	660
2019	1	1	22/07/2020	01	Jala Diwas-Jala Sakthi Abhiyan	Importance of Water harvesting and water resources	265
2019	1	1	21/09/2019	01	International day of Peace-Awareness	Awareness on Peace	210
2020	1	1	20/01/2020	01	District Level Youth festival	Awareness on Youth Festival	332

2020	1	1	25/01/2020	01	National Voters Day	Importance of Voting	270
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
A Talk on "Universal Human Values and Ethics"	28/08/2019	Annamacharya Institute of Technology and Sciences, Rajampet held a personality development programme titled 'Universal Human Values and Ethics' on 28th August 2019 in its campus. Sri Bodhamayananda Swamiji, Director, Vivekananda Institute of Human Excellence, Hyderabad delivered a talk on the theme of the programme. He said that knowledge is power, knowledge alone can make us perfect and fearless. The Swami Vivekananda Centre for Human Excellence at the institute was also inaugurated by Swamiji.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
NIL	Nil	Nil	Nil
No file uploaded.			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

AITs makes the campus an ecofriendly. The campus is fully moderated with a lush green environment which is conducive for teaching and learning process. The following initiatives are taken by the institute to make the campus ecofriendly. 1. Pedestrian roads are provided in appropriate locations. Vehicle parking is provided at the entrance of the campus main gate so as to enable the members to use pedestrian roads. 2. Plastic free campus: Usage of the plastic is reduced to a great extent by inculcating awareness among the faculty and students. 3. All the sports arena is completely maintained with a lush green aesthetics. 4. Water Harvesting

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Title: Implementation of Outcome Based Education approach
Objectives of the Practice: To assess students learning and effectiveness of all educational and operational activities
Context: In the OBE model, outcome assessment plan is prepared and informed to all stakeholders. It has defined standards of Performance and academic expectations from students in the form of

learning outcomes at course level and Programme level. The Practice: A set of graduate attributes are defined and aligned at all levels. The statements of learning outcomes are articulated from the graduate attributes. The learning outcomes are defined for all Programmes and courses using measurable action verbs (blooms' taxonomy) to assess students' learning at the end of the Programme and course respectively. These outcomes are assessed by using at least one direct and one indirect assessment tool. Attainment of outcome indicates that the corresponding PEO is achieved. As these objectives flow from University level to domain, institution and Programme level, and achievement of PEO indicates the corresponding objective at all levels is met. Some of the assessment tools are developed online and the results are reported in the standardized format domain-wise. Based on the results of implementation of outcome assessment, gaps are identified. The whole process is taken care of by the programme assessment committees constituted at the department and institutional level for the purpose. Evidence of Success: It helped in identifying the areas of improvement in diverse aspects of teaching and learning Departments proposed action plan in their implementation report for improvements in teaching pedagogy, infrastructure, learning resources, facilities and support system etc., which also served as an input during the Programme review and strategic planning of the institute. Problems encountered and resources required: Training of faculty to develop framework for alignment of PEOs with university objective and mission. Best Practice 2: Title of the practice: Learner Centric Pedagogy on Self-Learning Objectives of the practice:

- To improve the technical and communication skills of a student
- To apply the knowledge and skills for better communication and solve societal and industrial related problems.
- To get placed in multinational companies

The context: The context of this practice is to facilitate the students an environment of Self-learning at different phases through their curriculum. The flexibility in pace of learning on their own to improve the skills is an opportunity given for the students. Language labs are provided as an audit course in the curriculum to improve the communication of the students. The practice: The designed Curriculum encourages the students towards self-learning. The pedagogical approach from teacher centric learning is changed to learner centric approach through the seminars and library hours for self-learning. Usually as per the curriculum the students have to present the seminars as per the schedule given by the faculty at the starting of semester. The selection of topic for the seminar presentation is preferably from the reputed journal papers. After finalizing the topic, the student will go through the journal paper thoroughly for effective presentation during the seminar. This makes the student to enhance the knowledge by studying and understanding deep the current developments in the field which is published in the form of journal paper. As the papers are high standard and communicated the content in a more effective way, the students are in a position to identify the problems and make use of the grammar more effectively for the presentation. The students are encouraged to talk about any topic in the last five minutes of the last hour of morning and afternoon sessions. This practice familiarizes the students for the effective use of the stage without any fear during the seminar presentations. Evidence of Success: Following this approach continuously enhances the confidence of the students as their communication is improved a lot. The self-learning approach enables the students to identify the problem for their project work in the final year in a more easy manner and results in the publications or innovations quite a few. The evidence of success in observed in increase in the placements and the comments from the employers about the students and their communication during the interviews. Problems Encountered and Resources required: Students admitted at this institute are mostly from rural areas so self-learning right from first year onwards is a bit tough job for them. Constant motivation and continuous efforts are done by the faculty for betterment yet few students are not turned in for self-growth. The fear of

speaking in front of the people is a big problem for the students.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://aitsrajampet.ac.in/images/pdf/Best%20Practice%202018-21.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Institutional Distinctiveness to Vision Institution was established in the year 1998 by "Annamacharya Educational Trust" with the motto "Vidwan Sarvatra Pujyathe". The watchwords of the trust are "Educators are worshipped everywhere" which resembles the importance of education for the students from rural areas. The institution had a vision of enlightening the students coming from rural areas. The vision of the institute is "We impart futuristic technical education and instill 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", which consists of four aspects essentially: Global Standards, Technologically superior, ethically strong and discipline. Though Education is its primary duty which is fulfilled through discipline is the key aspect focused in the institute. Our leadership firmly believes that knowledge acquisition, together with personal growth and development, is the central part of students' education. The aim is to create lifelong learners not only possessing higher level academic skills but also excellent transferable skills and appropriate graduate attributes. Since the inception in 1998, we practiced and nurtured exemplary teaching and learning methodologies to achieve this aim. Teachers are empowered through training programs, workshops and innovative research and development. After UGC granted Autonomy in 2011, we designed and developed our own curriculum wherein academic and co-curricular programs meticulously inducted to engage student's mind, stimulate their understanding beyond their self-imposed limitations. We paid attention to align the culture of the institution, the curriculum, the co-curriculum and the sense of campus community. Our distinctive teaching methodology strengthened with student-centric educational activities, plays catalyst and encourages students to learn and apply knowledge in real life. The significance of traditional dimensions of teaching and learning to shape values, identity, and purpose in a student is not forgotten. Instead, practice of active and engaged pedagogies such as service learning, problem-based learning, experiential learning, collaborative learning, group discussions and public speaking, have been found to be effective in molding a budding engineer into a versatile individual. These practices are effective not only in supporting academic learning, but also learning moral and civic engagement in students. Interaction with peers during symposia and technical fest has been a vital aspect of education experience of our students. Exposing students to new experiences and perspectives - whether in the classroom, field trips, educational tours - and providing opportunities to listen to industry experts and eminent personalities during special talks offer powerful learning experiences that shape student's all-round development. Value-added courses such as Gender Sensitization, Professional Ethics and Human Values, Stress Management in the curriculum also influence students' attitudes and awareness of self, their roles and responsibilities in society. Students experience personalized learning and our distinguished faculty members offer right balance of learning combined with practical knowledge. Our efforts are towards helping students not only to thrive in volatile times, but also attain individual excellence. All said and done, an institute needs a visionary leadership to promote holistic student development as the

Provide the weblink of the institution

<https://aitsrajampet.ac.in/images/pdf/Institutional%20Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

To sign MoU's with foreign universities for student exchange and faculty exchange for research: Collaborations are the most important in the technical institutes. Though the institute has MoU's with the industry for various activities related to students yet the collaboration with a foreign university marks the potential development of the institute. In the future there is a desire to sign MoU with foreign universities for student exchange and faculty exchange for research which enriches the research activities in the institute and leads to quality publications in high impact factor journals. To increase the number of short term courses, workshops, Faculty development programs under various departments: Continuous learning is the essential feature of any educational institute to keep up with the advancements in the Science and technological fields. Curriculum is revised for every two years to facilitate the students of this institute to meet the requirements of industry/ Multi-national companies/ Global market. However the limited resources unable to fetch the emerging areas in the curriculums so to bridge the gap between the curriculum and current developments several programs like short term courses, FDPs, workshops are organized every year. There is a need to increase the programs to meet the requirements of the industry/Companies.