



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Name of the head of the Institution	Prof. V.V. Nageswara Rao
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08945245666
Mobile no.	9247858288
Registered Email	adityaitamtekkali@gmail.com
Alternate Email	aditya_tekkali@yahoo.com
Address	K. Kotturu
City/Town	Tekkali
State/UT	Andhra Pradesh
Pincode	532201

<b>2. Institutional Status</b>	
Autonomous Status (Provide date of Conformant of Autonomous Status)	22-May-2013
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr. V. Chittibabu
Phone no/Alternate Phone no.	08945245666
Mobile no.	9491934294
Registered Email	iqac@adityatekkali.edu.in
Alternate Email	cbabuv@gmail.com

**3. Website Address**

Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.adityatekkali.edu.in/iqac/AITAM-11471%20(AOAR-2017%20-18).pdf">https://www.adityatekkali.edu.in/iqac/AITAM-11471%20(AOAR-2017%20-18).pdf</a>
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<b>4. Whether Academic Calendar prepared during the year</b>	Yes
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if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.adityatekkali.edu.in/iqac/2019-20/Academic_Calendars-2019-20.pdf">https://www.adityatekkali.edu.in/iqac/2019-20/Academic_Calendars-2019-20.pdf</a>
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**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.44	2011	16-Sep-2011	15-Sep-2016
2	A+	3.30	2019	01-Apr-2019	31-Mar-2024

<b>6. Date of Establishment of IQAC</b>	12-Dec-2011
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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		
Participation in NIRF	28-Nov-2019 1	3000
Participation in AISHE	28-Feb-2020 1	3000
Academic Administrative Audit (AAA)	01-Aug-2019 1	3000
Measures taken to make the Green campus	15-Aug-2019 1	1000
<a href="#">View File</a>		

**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
Institution	PARAMARSH	UGC	2019 1	2968000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

3

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)**

- Use of ICT in teaching
- Significant improvement in College Automation
- Measures initiated to make the campus 'Plastic Free'
- Project exhibitions
- Academic audit

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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
Adoption of Automation system with integrated data base of students and staff.	Complete student data is available online and is accessible by all stake holders as and when required. All Academic and Examination process is made available online.
Initiatives to make the campus Plastic - Free Zone. Single use plastic is banned in the campus and Canteen.	Plastic usage is reduced in the campus considerably.
Internal Academic audit in all departments	Ensures transparency and verification for smooth functioning of the department
Project exhibitions	Improved the student level of thinking and skill set improved
<a href="#">View File</a>	

<b>14. Whether AQAR was placed before statutory body ?</b>	No
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	Yes
Date of Visit	29-Mar-2019
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2020
Date of Submission	28-Feb-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	AITAM currently has the following MIS operational tools to manage General administration, Autonomous system, Examinations, Student attendance and Continuous evaluation process. 1. BEES ERP Tool It is an intranet based application and can be accessed from anywhere i.e. inside and outside of the Institution. Instead of maintaining student data partially and redundantly at different places, this tool is used to maintain the information properly and efficiently. Authenticated users have access to the system and

authorized users are permitted to enter/modify the data. The system is developed to maintain and provide information on the fly regarding the following academic activities of the Institution. • Administration • Transport management • Hostel Management • Academics • Library 2. BEES Examination Tool. The Autonomous Examination Section is headed by Controller of Examinations and is assisted by two Assistant Controllers of examinations. BEES Examination Tool is in operation for preexamination and postexamination works as listed below.

PreExamination: Question Bank Online  
Internal Exams Best Average Online exam  
fee collection Hall Ticket Generation  
OMR Printing All the Required Report

PostExamination: OMR Scanning Data  
Verification Moderation Results  
processing Results declaration Posting  
the results to the student inbox All  
the required reports 3. LMS (Elearning)  
moodle tool Moodle LMS is a free open  
source, secured with rich set of  
features, software platform to create a  
webbased online learning environment  
containing lecture notes, assignments,  
and other material for various courses.  
It allows uploading the current  
semester, previous semester subject  
material. It has the previous semester  
question papers. It helps to conduct  
online quiz type programs. 4. Tally  
accounting software. The accounting and  
the inventory features in the Tally  
software helps our organization in  
keeping track at daily business  
transactions and especially used for  
payments and salary. 5. Student  
Feedback Analysis tool This tool is  
used for taking feedback of faculty  
twice in a semester based on 20 and 10  
questionnaires for theory and lab  
respectively. It helps us to maintain  
the transparency by inviting the  
students' feedback, ideas/suggestions  
for the improvement of faculty teaching  
learning process. 6. Online open  
elective software. Before the  
commencement of class work in every  
semester, the list of open elective  
subjects is uploaded to the software.  
The students use this software for the  
selection of open electives at the  
beginning of the every semester, based  
on their options the students will be

divided into batches. 7. Matrix COSEC software. A total of 36 biometric devices are installed in all blocks. This software is used for taking biometric attendance of the staff two times in a working day (morning and afternoon). 8. Byte XL Software byteXL provides selflearning course work, guided training for a new generation of coders for the workforce. byteXL helps our students to gain competitive advantage and confidence: • Through industry interface and exposure to relevant terminologies • Through an experiential approach and multiple exercises in coding • Through a personalized approach tailored to individual aspirations Also provides an environment for learning and practice of technical, verbal, reasoning and soft skills.

## 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
Mtech	58	CSE	16/11/2019
Mtech	57	VLSISD	16/11/2019
Mtech	43	PED	16/11/2019
Mtech	21	TE	16/11/2019
Mtech	40	SE	16/11/2019
MBA	1E	MBA	02/12/2020

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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	10/06/2019	Programming for Problem Solving Lab -18ESL102	10/06/2019
BTech	Civil Engineering	10/06/2019	Language Proficiency Lab -18HSL101	10/06/2019
BTech	Civil Engineering	10/06/2019	Surveying lab-I -18CEL201	10/06/2019
BTech	Civil Engineering	10/06/2019	Concrete Technology Lab	10/06/2019

			-18CEL203	
BTech	Civil Engineering	10/06/2019	Professional Ethics & Morals -16HS2201	10/06/2019
BTech	Civil Engineering	10/06/2019	Self Study course-II-16CE3202	10/06/2019
BTech	Civil Engineering	10/06/2019	Drawing of Concrete Structures Lab -16CE3106	10/06/2019
BTech	Civil Engineering	10/06/2019	Employability Skills -16HS4203	10/06/2019
BTech	Civil Engineering	10/06/2019	Software tools for Structural Engineering Lab -16CE4113	10/06/2019
BTech	Civil Engineering	10/06/2019	GIS Lab (Advanced Lab) -16CE4114	10/06/2019
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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
Mtech	VLSI System Design	16/11/2019
Mtech	Power Electronics & Drives	16/11/2019
MBA	MBA	16/03/2019
Mtech	Structural Engineering	16/11/2019
Mtech	Computer Science and Engineering	16/03/2019
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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	CSE	10/06/2019
BTech	ECE	10/06/2019
BTech	EEE	10/06/2019
BTech	ME	10/06/2019
BTech	CE	10/06/2019
BTech	IT	10/06/2019
Mtech	CSE	23/09/2019
Mtech	VLSISD	23/09/2019

Mtech	PED	23/09/2019
Mtech	TE	23/09/2019
Mtech	SE	23/09/2019
MBA	MBA	26/06/2019

### 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
Autocad	15/07/2019	35
Google Android Developer Fundamentals Phase-II	29/07/2019	24
Cloud computing	12/08/2019	21
PLC	26/08/2019	28
Google Android Developer Fundamentals Phase-I	03/09/2019	31
Google Android Developer Fundamentals	09/12/2019	32
Advanced python	09/12/2019	47
PLC	16/12/2019	27
Python phase-I	16/12/2019	79
Embedded systems Basics	16/12/2019	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	ME	136
BTech	IT	25
BTech	CIVIL	63
BTech	EEE	145
BTech	CSE	178
BTech	ECE	189
<a href="#">View File</a>		

### 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)

#### Feedback Obtained

Feedback as a continuous practice, is collected from various stakeholders such as Students, Teachers, Alumni and Parents for the overall development of the institution. The collected feedback information with a rationale stratification is analysed with internal and external academicians as well as practical people. The outcomes of analysis are converted into the possible actions to be taken which would generally in the form of either formulations or modifications. The actions taken up with evaluation and improvement are made available on website for reference. Feedback processes of the institution may be classified as follows: A. Feedback collected, analysed and action taken and feedback available on website B. Feedback collected, analysed and action has been taken C. Feedback collected and analysed D. Feedback collected Response: A. Feedback collected, analysed and action taken and feedback available on website

## 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	TE	18	1	1
BTech	ME	180	121	111
Mtech	PED	18	2	2
BTech	EEE	120	110	100
Mtech	VLSISD	18	2	2
BTech	ECE	180	206	193
Mtech	CSE	18	8	5
BTech	CSE	54	71	54
Mtech	SE	18	8	4
BTech	CE	144	90	74

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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	3181	150	186	21	207

### 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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
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	Resources)				
207	207	126	72	6	6
<a href="#">View File of ICT Tools and resources</a>					
<a href="#">View File of E-resources and techniques used</a>					

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

For constructive mentoring and development of students, the students are assigned to one faculty mentor who can monitor with the possible number. The counselling system is designed to improve the affinity between faculty and students in order to attain the effectiveness. The allocated faculty regularly monitor the progress of students and counsel them accordingly. Mentoring system is introduced in the institution for the welfare of the students. 15 to 20 students are assigned to a faculty mentor all through the programme i.e. from the first to last semester. Mentor continuously interacts with each student and pays personal attention to uplift students according to the academic capabilities with respect to marks, attendance, perception and attitude. Mentors also focus and sort out personal problems of students if any. Constructive suggestions are given from time to time to improve his/her academic performance. Hence, slow learners are counselled and corrective measures are being taken to improve the performance. The impact of a mentor system is evident as most of the slow learners performance was seen improved. The college endeavours to look after the holistic personality development of all students along with separate classes for slow learners through Personality Development, Yoga classes, Soft skills, Communication skills, Co-Curricular and extra-curricular activities and career counselling.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3331	207	1:16

## 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
207	207	Nil	20	57

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. B. Rajesh	Professor	Executive Council Member, Ambedkar University, Srikakulam
2020	Dr.D.Vijay Kumar	Professor	Reviewer for International Conference (ICSESEV-2020)
2020	Dr.K. Kiran Kumar	Professor	Reviewer of IJERT-2020
2019	Mr.N.Tejeswara Rao	Associate Professor	Journal Reviewer for Electrical Power Systems, Taylor Francis
2020	Mr. Ch.Krishna Rao	Associate Professor	Reviewer for International Conference (ICSESEV-2020)
2019	Mr. Ch.Krishna	Associate	Reviewer for

	Rao	Professor	International Journal for research development in technology
2020	I.Ramesh	Assistant Professor	Reviewer for International Conference(ICSESEV-2020)
2019	Mr.T.Lokanadha Rao	Assistant Professor	Secured TOP 1 for the course Accreditation of Outcome based Learning organized by NPTEL
2020	Dr. B. Visweswara Reddy	Associate Professor	Reviewer of GIScience and Remote Sensing journal (Taylor Francis group) appointed on 23.02.2020
2019	Dr.G.Ramarao	Assistant Professor	As a Resource Person in NIT Raipur Institute funded STTP program on recent trends Power Systems High voltage Engineering
<a href="#">View File</a>			

## 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
BTech	IA	III Year, Sem-2 (Reg./Sup.)/ 2019-20	13/11/2020	23/12/2020
BTech	IA	II Year, Sem-2 (Reg./Sup.)/ 2019-20	03/12/2020	30/12/2020
BTech	IA	II Year, Sem-1 (Sup.)/ 2019-20	20/01/2020	06/02/2020
BTech	IA	IV Year, Sem-1 (Sup.)/ 2019-20	21/01/2020	07/02/2020
BTech	IA	III Year, Sem-1 (Sup.)/	20/01/2020	07/02/2020

		2019-20		
BTech	IA	I Year, Sem-1 (Sup.) / 2019-20	10/02/2020	17/02/2020
BTech	IA	IV Year, Sem-1 (Reg./Sup .) /2019-20	22/11/2019	05/12/2019
BTech	IA	III Year, Sem-1 (Reg./Sup .) /2019-20	08/11/2019	30/11/2019
BTech	IA	II Year, Sem-1 (Reg./Sup .) /2019-20	09/11/2019	26/11/2019
BTech	IA	I Year, Sem-1 (Reg./Sup.) /201 9-20	28/12/2019	08/01/2020
<a href="#">View File</a>				

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
4	3385	0.118

## 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)

<https://www.adityatekkali.edu.in/igac/2019-20/2.6.1.pdf>

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
1E	MBA	MBA	55	43	78.18
1A	BTech	CE	125	100	80
1A	BTech	CSE	174	162	93.1
1A	BTech	ECE	185	164	88.64
1A	BTech	EEE	140	130	92.85
1A	BTech	IT	49	42	85.71
1A	BTech	ME	139	109	78.41
1D	Mtech	STRC	13	11	84.61
1D	Mtech	CSE	4	4	100
1D	Mtech	PED	5	4	80
<a href="#">View File</a>					

## 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://www.adityatekkali.edu.in/igac/19-20/2.7.1.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

Yes
Name of the teacher getting seed money
Dr.D.Vijay Kumar
<a href="#">View File</a>

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
Nill	NA	NA	Nill	NA
<a href="#">View File</a>				

#### 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
Any Other (Specify)	365	AICTE	4.82	4.82
Any Other (Specify)	730	AICTE	9	7.2
Any Other (Specify)	730	AICTE	12	9.6
Any Other (Specify)	365	AICTE	2.79	2.79
Any Other (Specify)	730	AICTE	7.48	5.98
Any Other (Specify)	365	UGC	29.68	0
Interdisciplinary Projects	365	DST-NSTEDB	0.8	0.64
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.3365

#### 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
Research and funding opportunities (SEMINAR)	ECE and R and D	19/07/2019
Intellectual Property Rights (IPR)	BSH And R and D	23/07/2019
Policy Formulation for Technologies Trends	IT and R and D	07/09/2019
Methods of Patenting and Invention disclosures :Indian context	MBA and R and D	23/11/2019
Introduction to Intellectual property rights	CE and R and D	08/02/2020
<a href="#">View File</a>		

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
Journal on Attendance Monitoring System using AWS	G.Sandhya Rani, G.Gnana Priyanka, V.Sai Kishan, Manoj Ram Kumar	International Conference on Fusion Technology Jc Bose University, Delhi	08/01/2020	International Conference
3rd Place In Debate	Sai Krishna Sastry	State Level Youth Festival 2020	10/01/2020	State Level Youth Festival 2020
3rd Place	G.Sandhya Rani (Nerd's Herd), M.Avinash, T. Anand Gupta	Dual A Thon Vizag Students Chapter`	27/05/2020	State Level
Website Development	G. Jaya Chandra J.Sai Surya	Prabhandha 2020 Dr.B.R. Ambedkar University	21/03/2020	State Level
1st Place In Slide Up	Menda Kavya	Prathistha 2020, JNTU Viziangaram	14/02/2020	University Level
2nd Place	G. Pavan (Team Spartans)	Stepcone 2020, GMR Institute of Technology and Management	30/01/2020	State Level Go- Kart Championship
Best Innovation Award	G. Pavan (Team Spartans)	Stepcone 2020, GMR Institute of Technology and Management	30/01/2020	State Elevel Go-Kart Championship

3rd Place In Quiz	Sai Krishna Sastry	State Level Youth Festival 2020	10/01/2020	State level competition
<a href="#">View File</a>				

### 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
NA	NA	NA	NA	NA	Nil
<a href="#">View File</a>					

### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
EEE	2
ME	1
CE	Nil
IT	1
BSH	Nil
MBA	Nil
CSE	2
ECE	3

#### 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	ECE	21	3.6
International	CSE	12	3.7
International	ME	2	5.5
International	BS And H	14	6.2
<a href="#">View File</a>			

#### 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
BS and H	1
CE	3
IT	5
CSE	2
ME	7
MBA	12
ECE	5
EEE	8
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### 3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
IWS DeviceIntelligentwomanSafetydeviceusingAIProgramming,DeepLearning	Published	201941053834A	03/01/2020
ITF self-balanced vehicle	Published	202041014768A	15/05/2020
Machine Learning based data mining method of bio medical data set using Natural Language Processing	Published	201941051364	20/12/2019
Mobile Phone Pattern Unlocking System	Published	201941042572	07/02/2020
System for detecting diseases in plants	Published	201941011100A	29/03/2019
Design of a Textile Array Antenna	Published	201941036705 A	11/10/2019
SAR Based System For Reducing The Effect Of Cellular Phone Radiation According To The User Health Parameters	Published	201941047253 A	29/11/2019
Self rechargeable Drone	Published	201941048019 A	16/12/2019
IEMG-Powerbank	Published	201941037444A	27/09/2019
An Intelligent Monitoring devise for Elevators	Published	201941052209A	03/01/2020

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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
Deep learning in electrical utility industry: A comprehensive	Mishra M., Nayak J., Naik B., Abraham A.	Engineering Applications of Artificial Intelligence	2020	2	Aditya institute of Technology and Management	2



review of a decade of research						
Intelligent food processing: Journey from artificial neural network to deep learning	Nayak J., Vakula K., Dinesh P., Naik B., Pelusi D.	Computer Science Review	2020	4	Aditya institute of Technology and Management	4
Graph based feature selection investigating boundary region of rough set for language identification	Yasmin G., Das A.K., Nayak J., Pelusi D., Ding W.	Expert Systems with Applications	2020	1	Aditya institute of Technology and Management	1
Implementation of new navigation algorithm based on cross-correntropy for precise positioning in low latitude regions of South India	Sirish Kumar P., Srilatha Indira Dutt V.B.S., Ganesh L.	International Journal of Speech Technology	2020	1	Aditya institute of Technology and Management	1
A Particle Fuzzy Decisive Framework for Moving Target Detection in the Multichannel SAR Framework	Jaya E., Krishna B.T.	International Journal of Computational Intelligence and Applications	2020	0	Aditya institute of Technology and Management	Nil
Character	Srikanth	Discussi	2020	0	Aditya	Nil

rization of almost semi-heyting algebra	V.V.V.S.S. P.S., Ratnamani M.V., Ramesh S.	ones Mathematicae - General Algebra and Applications			institute of Technology and Management	
Deep learning algorithms for secure robot face recognition in cloud environments	Karri C., Naidu M.S.R.	Proceedings - 2020 IEEE International Symposium on Parallel and Distributed Processing with Applications, 2020 IEEE International Conference on Big Data and Cloud Computing, 2020 IEEE International Symposium on Social Computing and Networking and 20	2020	0	Aditya institute of Technology and Management	Nil
Deep learning and wavelet transform integrated approach for short-term solar PV power prediction	Mishra M., Byomakesha Dash P., Nayak J., Naik B., Kumar Swain S.	Measurement: Journal of the International Measurement Confederation	2020	11	Aditya institute of Technology and Management	11
An artificial intelligence approach to social networks agent task scheduling analysis in map-	Ramesh Y., Sambana B., Srinivasarao M.	Proceedings - 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber	2020	0	Aditya institute of Technology and Management	Nil

reduce for sentiment opinion analysis		Security, iSSSC 2020				
An artificial intelligence approach to intelligent vehicle control and monitoring system	Sambana B., Ramesh Y.	Proceedings - 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security, iSSSC 2020	2020	0	Aditya institute of Technology and Management	Nil
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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
An artificial intelligence approach to intelligent vehicle control and monitoring system	Sambana B., Ramesh Y.	Proceedings - 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security, iSSSC 2020	2020	Nil	Nil	Aditya Institute of Technology and Management
An artificial intelligence approach to social networks agent task scheduling analysis in map-reduce for sentiment opinion analysis	Ramesh Y., Sambana B., Srinivasarao M.	Proceedings - 2020 IEEE International Symposium on Sustainable Energy, Signal Processing and Cyber Security, iSSSC 2020	2020	Nil	Nil	Aditya Institute of Technology and Management
Deep learning and wavelet	Mishra M., Byomakesha Dash P.,	Measurement: Journal of the Intern	2020	9	11	Aditya Institute of Technology

transform integrated approach for short-term solar PV power prediction	Nayak J., Naik B., Kumar Swain S.	ational Me asurement Confederat ion				and Management
Deep learning algorithms for secure robot face recognition in cloud environments	Karri C., Naidu M.S.R.	Proceedi ngs - 2020 IEEE Inter national Symposium on Parallel and Distri buted Processing with Appli cations, 2020 IEEE Internatio nal Conference on Big Data and Cloud Computing, 2020 IEEE Internatio nal Symposium on Social Computing and Networking and 2	2020	Nil	Nil	Aditya Institute of Technology and Management
Characterization of almost semi-heyting algebra	Srikanth V.V.V.S.S. P.S. , Ratnamani M.V., Ramesh S.	Discussi ones Mathe maticae - General Algebra and Applic ations	2020	Nil	Nil	Aditya Institute of Technology and Management
A Particle Fuzzy Decisive Framework for Moving Target Detection in the Multichannel SAR Framework	Jaya E., Krishna B.T.	Internat ional Journal of Computatio nal Intell igence and Applicatio ns	2020	Nil	Nil	Aditya Institute of Technology and Management
Implemen	Sirish	Internat	2020	1	1	Aditya

tation of new navigation algorithm based on cross-correlation entropy for precise positioning in low latitude regions of South India	Kumar P., Srilatha Indira Dutt V.B.S., Ganesh L.	Journal of Speech Technology				Institute of Technology and Management
Alkali Treatment Effect: Mechanical, Thermal, Morphological, and Spectroscopy Studies on Abutilon Indicum Fiber-Reinforced Composites	Mohana Krishnudu D., Sreeramulu D., Reddy P.V.	Journal of Natural Fibers	2020	9	11	Aditya Institute of Technology and Management
Graph based feature selection investigating boundary region of rough set for language identification	Yasmin G., Das A.K., Nayak J., Pelusi D., Ding W.	Expert Systems with Applications	2020	1	1	Aditya Institute of Technology and Management
Intelligent food processing: Journey from artificial neural network to deep learning	Nayak J., Vakula K., Dinesh P., Naik B., Pelusi D.	Computer Science Review	2020	4	4	Aditya Institute of Technology and Management

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
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Attended/Seminars/Workshops	200	700	Nil	Nil
Presented papers	5	9	Nil	Nil
Resource persons	12	12	Nil	Nil
<a href="#">View File</a>				

### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
EEE	Electric works	LITO marine exports Pvt.Ltd,Vellore,Visakhapatnam	370000
EEE	Turnkey installation electrical	Vaishnavi solar projects and consulting LLP	216000
ECE	E-Services Electronics and Communications, Gajuwaka, VSP	Annual Maintenance technical Support	300000
ECE	Knowledge transfer to diploma and ITI students	SOLOMANS COMPUTER SERVICES	235000
CSE	Web based Business Communication Software using Data Analytics	Web based Business Communication Software using Data Analytics	425000
CSE	Improvised Online Test Solution Custom reporting, Analytics	GIT Solutions Pvt. Ltd. 1-83-40/2,Sector-4, MVP Colony, Visakhapatnam.	142000
CSE	TCS	TCS Consultancy work	767250
ME	1.Siemens NX Training (Under Siemens PLM ATC, AITAM) 2. Leddo marine	Siemens PLM 2.Leddo marine	406000
ME	Sri Matha Polypacks	Sri Matah Polypacks , Challavanipeta, Jalumuru Mandal, Srikakulam	190000
CE	SOIL TEST,SBC	B.DURGAPRASAD	2000
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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
CE	Executive Training Program on QGIS AutoCAD	Andhra Pradesh Sachivalayam Employees, Srikakulam	20000	5
ME	Skill Development Programme on E-Gokart	Injeto Technologies Private Limited, Rajahmundry	3000	30
IT	Entrepreneurs hip Development Program	Conference of Amateur women in entrepreneurship, Narasannapeta, Srikakulam (dist)	4000	14
MBA	Induction Training Programme	AP HRDI, Visakhapatnam, A.P.	3000	60
MBA	Communication, Motivation and Leadership	Sri Daksha Solutions, Hyderabad	4500	25
BS and H	English and Communication Skills for Work Integrated Training	B Voc in Manufacturing Technology (with Clints Dr.Reddys), Pydibhimavaram	5000	20
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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
International day of Yoga	AITAM NSS UNIT Samarasata Foundation	5	150
Plantation at Vaddinavalasa village	AITAM NSS UNIT Village committee	5	80
Mega blood donation camp	AITAM NSS UNIT Indian Red Cross Society	10	350
Aug-15 celebrations	AITAM NSS UNIT	20	130

Teachers day	AITAM NSS UNIT	50	300
Engineers day	AITAM NSS UNIT	10	50
Tapovanam oldage home visit	AITAM NSS UNIT	3	120
Rally on plastic free India	AITAM NSS UNIT	30	800
Swatch bharat	AITAM NSS UNIT	6	150
National Unity day	AITAM NSS UNIT	8	180
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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
Plantation at Vaddinavalasa village	Certificate of appreciation	Village president, Vaddinavalasa	80
Mega Blood Donation Camp	Certificate of appreciation	Indian Red Cross Society, Srikakulam	350
Rally on Plastic Free India on the occasion of 150th Birth Anniversary of Mahatma Gandhi	Certificate of appreciation	Revenue divisional officer, Tekkali	800
Awareness programme on Swatchta inside the adopted village	Certificate of appreciation	Village President, K.Kotturu	100
AIDS Day rally	Certificate of appreciation	Village President, K.Kotturu	140
Beti Bacho Beti Padao- save girl child	Certificate of appreciation	Head Master, Z P High School K.Kotturu	30
Mahasivaratri	Certificate of appreciation	Village President Ravivalasa	50
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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
International Yoga Day	AITAM NSS UNIT Samarasata Foundation	International Yoga Day	10	150
VANAM-MANAM	AITAM NSS UNIT Village committee	Plantation Swatch Bharat	5	80



Blood Donation	AITAM NSS UNIT Indian Red Cross Society	Mega Blood Donation Camp	10	350
Plastic Free India	AITAM NSS UNIT	Rally on Plastic Free India	30	800
Clean Campus-Green Campus	AITAM NSS UNIT	Swatch Bharat	6	150
Rashtriya Ekta Diwas	AITAM NSS UNIT	National Unity Day	8	180
International AIDS Day	AITAM NSS UNIT P H C K Kotturu	AIDS DAY Rally	5	140
Beti Bacho Beti Padao	AITAM NSS UNIT Z P High School Chakipalli	Save girl child	4	50
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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	Nil
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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
Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	BANDI PAVAN KALYAN
Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	BAGGU SOMESWARA RAO
Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	ALLU PAVAN KUMAR
Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	BANDI PAVAN KALYAN
Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	BARATAM SAI KIRAN GUPTA
Internship	Industry Institution	NDTT, HYDER ABAD	27/04/2020	25/05/2020	CHITTI SAIRAM

Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	DAKKATA PO ORNACHANDRA REDDY
Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	DIKKALA LEELA PRANAV
Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	DUNNA RAVIRAJU
Internship	Industry Institution Interaction	NDTT, HYDER ABAD	27/04/2020	25/05/2020	GANAGALLA GOWTHAM
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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
Universal Hydraulics	11/02/2020	Placements/Internships	31
Radiant Technologies	02/12/2019	Placements/Internships	53
TUUV Global Pvt Ltd.	11/09/2019	Placements/Internships	22
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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
300	270.25

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing

Class rooms	Existing
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
BEES ERP Campus Software	Fully	5.0	2004

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	41019	22545681	499	148644	41518
Reference Books	10985	4707130	228	160300	11213	4867430
e-Books	2134	122100	Nil	Nil	2134	122100
Journals	128	222348	Nil	Nil	128	222348
e-Journals	250	978965	555	182408	805	1161373
Digital Database	Nil	Nil	Nil	Nil	Nil	Nil
CD & Video	3708	Nil	Nil	Nil	3708	Nil
Library Automation	Nil	Nil	Nil	Nil	Nil	Nil
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil	Nil
Others (specify)	Nil	Nil	Nil	Nil	Nil	Nil
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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
Dr.M.V.Ratnamani	LA C	LMS-AITAM	09/09/2019
Dr.T.Gunavardhan Naidu	AP	LMS-AITAM	09/09/2019
Sri.G.Ashok	BEE	LMS-AITAM	09/09/2019
Sri.M.V.H.B.Murthy	ED	LMS-AITAM	09/09/2019
Sri.D.H.H.Samtosh	S S	LMS-AITAM	10/06/2019
Dr.A.S.Srinivasa	ECA	LMS-AITAM	10/06/2019

Rao			
Dr.D.Yugandhar	PSP	LMS-AITAM	10/06/2019
Dr.R.SanthiKumar	CVSM	LMS-AITAM	10/06/2019
Sri.B.V.V.Prasad	EM	LMS-AITAM	10/06/2019
Sri.T.RaviKumar	PPS	LMS-AITAM	10/06/2019
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#### 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	1353	28	110	1	1	32	1237	110	0
Added	0	0	85	0	0	0	0	85	0
<b>Total</b>	<b>1353</b>	<b>28</b>	<b>195</b>	<b>1</b>	<b>1</b>	<b>32</b>	<b>1237</b>	<b>195</b>	<b>0</b>

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

195 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
-	=

#### 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
675	625.76	425	393.95

##### 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)

AITAM has all necessary infrastructure facilities as per AICTE and UGC Norms. The campus has SIX Blocks named as A,B,C,D,E and F in which all the departments are housed with TWO Drawing halls , RD Labs for every Department and FOUR Workshops. Besides, it has a Canteen, Well equipped Gym, Cricket ground, Volleyball court, Handball Court, Foot Ball court and Open area for other Sports Games, Car Bike Parking facilities, Three Boys Hostels, Two Girls Hostels and a Clinic. AITAM has student support facilities such as Student Activity Centre (SAC), Career Guidance Cell, Training Placement Cell, Entrepreneurship Development Cell, Business Incubation Centre, AP Skill Development Centre, Industry Institute Interaction Cell and Hobby Clubs. The planning, development, management and maintenance of physical, academic and support Facilities such as laboratory, library, sports, computers, classrooms etc., are being monitored by Dean (Administration planning) assisted by Estate Manager and Maintenance Staff. Schedules are prepared for breaking down maintenance and preventive maintenance as per Warranty and Guarantee Cards of

the particular supplier. However there is an established system and procedure given below to be followed by Each Department. 1. Any minor or major repair/ problem is to be complained in written duly signed by the concerned HoD including Library to Dean (Administration planning). 2. Dean immediately forwards the issue to the Estate Manager and asks him to visit the place along with his maintenance staff and rectify if it is a minor. 3. If it is a major repair /problem, estimated cost is prepared and submitted to Director duly signed by Estate Manager with a copy to Dean (Administration Planning). 4. As per Director's decision, the problem will be solved within a week. 5. Finally feedback on work satisfaction by maintenance staff along with the date time will be filed and updated from time to time. 6. There is a Committee which conducts meeting once in three months and discusses breakdown and preventive maintenance issues and suggests accordingly. Sometimes, a surprise visit is also taken up to assess the work done. A separate computer maintenance team handles the departmental requirements. For every computer centre, a programmer / technician is recruited and a faculty member is made as the in-charge. An exclusive department with 06 hardware engineers functions to cater to the needs of day to-day computer maintenance. However, minor software and hardware problems are handled by concerned lab technicians. The central library has its human resource and the Departmental libraries are maintained by office assistant and a faculty In-charge. Yearly stock verification is taken up by library committee members during summer break and Add/minus books yearly as per requirement based on the students feedback and HoD's recommendations. All the departments take care of timely maintenance of the laboratory equipment. Most of the maintenance work is completed during summer break which is closely monitored by Heads of the Departments.

<https://www.adityatekkali.edu.in/iqac/19-20/4.4.2.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	AITAM Sahaya Scheme	503	2601950
Financial Support from Other Sources			
a) National	NIL	Nil	0
b) International	NIL	Nil	0

[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
Personal Counseling and Mentoring	17/06/2019	3220	In house Training
Yoga, Meditation	21/06/2019	605	In house Training
Bridge courses	15/07/2019	966	In house Training
Language lab	20/09/2019	964	In house Training
Remedial coaching	29/06/2019	1793	In house Training

Soft skill development	17/06/2019	2280	External Training team (Ram kumar and team), By Face Team, External Agency Talentio, Hyderabad and Internal training team
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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
2020	Career Counselling/Placements/Higher Education	2134	2134	15	514
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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
2	2	4

## 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
Value Labs	50	3	TCS CODE VITA	120	1
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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	"Mechanical Engineering"	"Indian Institute of Information Technology, Design & Manufacturing, Kurnool"	"M.Tech (Smart Manufacturing)"
2020	1	B.Tech		"JNTUK	"M.Tech

			"Electrical and Electronics Engineering"	College of Engineering, VZM"	(Power Electronics and Drives)"
2020	1	B.Tech	Electronics and Communication Engineering	"JNTUK College of Eng., Ananthapuramu."	"M.Tech (Embedded Systems and VLSI Design)"
2020	1	B. Tech	Electronics and Communication Engineering	"Sri Sivani College of Engg."	"M.Tech (Embedded Systems and VLSI Design)"
2020	1	B.Tech	Electronics and Communication Engineering	"Sri Venkateswara College of Engineering, Srikakulam"	M.Tech
2020	1	B. Tech	Electronics and Communication Engineering	Sri Sivani College of Engineering, Srikakulam	M.Tech (VLSI)
2020	1	B. Tech	Information Technology	Global Institute of Business Studies	MBA
2020	1	B. Tech	Electrical and Electronics Engineering	JNTUK College of Engineering, VZM.	M.Tech (Advanced Electrical Power System)
2020	1	B. Tech	Computer Science and Engineering	NIT, Surat	M.Tech (Communication Systems)
2020	1	B. Tech	Computer Science and Engineering	IITK Kharagpur	M.Tech (Wireless Communications and Networks)
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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
NET	Nil
SET	Nil
SLET	Nil
GATE	5
GMAT	Nil

CAT	Nil
GRE	Nil
TOFEL	Nil
Civil Services	Nil
Any Other	6
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Cricket	Institution	120
Football	Institution	80
Basket Ball	Institution	60
Volley Ball	Institution	82
Shuttle Badminton	Institution	40
Kho-Kho	Institution	72
Athletics	Institution	60
Shuttle Badminton (Girls)	Institution	30
Kho-Kho (Girls)	Institution	60
Throw ball (Girls)	Institution	48
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### 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	Weight Lifting	National	1	Nil	19A51D5804	G. Rachana
2019	Foot Ball	National	1	Nil	17A51A0123	K. Sarath Chandra
2019	Foot Ball	National	1	Nil	17A51A0210	G. Chaitanya
2019	Foot Ball	National	1	Nil	16A51A05D9	G. Sai Surya
2019	Foot Ball	National	1	Nil	16A51A05G8	V. Mohith
2019	Foot Ball	National	1	Nil	17A51A0499	S. Siva Kumar
2019	Foot Ball	National	1	Nil	17A51A04E7	P. Akhil
2019	Foot Ball	National	1	Nil	16A51A01A0	K. Prudhiri Raj



2019	Foot Ball	National	1	Nil	15A51A0353	Surandra Chowdary
2019	Foot Ball	National	1	Nil	16A51A0499	Sai Mari Nayak
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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)

AITAM has a student council named as Student Activity Centre (SAC) comprising 28 (4 from each engineering branch MBA) student representatives (14 each of boys girls). These 14 members are selected on the basis of academic performance as well as achievements. The other 14 members are nominated by the respective Heads of the Departments. Student Council is a central body which monitors the academic, co-curricular and cultural events like ASPIRE, NSS, various State-level or National-level festivals and all the other events organized in and around the campus. In addition to the Student Council, AITAM has following committees with adequate student representation. 1. ANTI RAGGING COMMITTEE DISCIPLINARY COMMITTEE: All senior students play a vital role in making AITAM as ragging free campus. They welcome the junior students sincerely and help in allotting the rooms, explaining the environment and campus facilities, involving in food sub-committee, Library books, etc. They themselves monitor the academic and related activities of the students at night. 2. LIBRARY COMMITTEE The library committee members meet once every quarter to discuss the availability of books, periodicals, journals and procurement of new titles. Students representing all branches are made as members. Opinions of the students on matters related to adequacy and availability of books, e-resources, new titles and other facilities are highly considered. 3. HOSTEL COMMITTEE (BOYS GIRLS) The Boys' and Girls' Hostels have separate committees. The members including student representatives meet once a month to discuss issues as per agenda like food quality and menu, water, and sanitation as well as to initiate remedial actions. The various subcommittees in each of these hostels are Food Committee, Maintenance Committee, Discipline Committee, etc. 4. TRANSPORT COMMITTEE (Girls Boys) The transport committee including student representatives meets once in a quarter to sort out the grievances like adequacy of seating, timings, providing additional stops, etc. 5. BOARD OF STUDIES Committee members including alumni nominees meet once every semester. The Alumni nominee plays an important role in providing the feedback from the students on such aspects as the length and duration of the syllabus, the relevance of the topics, the need to include any new topics, etc. 6. EXTRA CURRICULAR ACTIVITIES COMMITTEE, (SPORTS GAMES, NSS, HOBBY CLUBS, CULTURAL) Members of the committee, including student representatives, meet once in a quarter and take up agenda items like existing facilities, forthcoming tournaments, scheduling of practice timings to various departments, coaching facilities, etc. 7. WOMEN DEVELOPMENT COMMITTEE (ANTI SEXUAL HARASSMENT COMMITTEE) Members of the committee including student representatives meet once in quarter and take up all activities related to women development including issues related to ragging, sexual abuse, harassment by any boys etc. and solved with the support of management.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

An Alumni Association is a cozy nest of reminiscences of past passions and fashions of fury and merry moments of bovine and grown deeds. It is a rich resource for not only in house students but also the ones who have settled in various fields. Alumni bridge the gap between past and present connect the

academia and industry. An alumni association provides a variety of benefits and services that help alumni maintain connections to their educational institution and fellow graduates. It offers individual career advising, workshops, and seminars tailored to your needs. An alumni association supports new alumni, and provides a forum to form new friendships and business relationships with people of similar background. It is a platform for alumni and prospective alumni, enabling them to forge contacts, maintain relations, acquire knowledge and exchange experience. The plant of AITAM germinated in the year 2001 and has grown into a big tree. The students who have breathed its air thought that the time has come to inaugurate AITAM Alumni Chapters in Hyderabad, Chennai, Bangalore Delhi with its old golden students as members. And now the alumni of AITAM think of their Alma Mater and they feel: "the time has come to show our gratitude and shower our gratuity on our Alma Mater (AITAM). We owe so much to this which has shaped and framed us to be what we are today. Let's join hand in hand to spread the glory of AITAM, to raise the flag of victory so high." I feel proud to be a part of the alumni of AITAM, I'm ebullient when memories of it come. I'm indebted to its services that are precious and prime, I, thus, strive hard to enhance its fame and name. I'd like to see it in every respect in the front row, I'll be there in its journey and success I vow

5.4.2 – No. of registered Alumni:

8559

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

88600

5.4.4 – Meetings/activities organized by Alumni Association :

Aditya Institute of Technology and Management is conducting 02 Alumni meets per year. We organized 13th AITAM Alumni meet in Grandeur Hotel, Hyderabad on 15-12-2019. In this meet 120 Alumni from various branches participated and gave suggestions for academic excellence. AITAM (A) organized In-campus Alumni meet on 18/01/2020, where 22 Alumni attended the meet. Alumni visited our campus, shared memories and interacted with teachers and students.

## **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)

AITAM has its own Board of Governors (BoG) as per UGC guidelines and composition. BoG empowered Director, AITAM to take decisions constituted various committees as and when required on its behalf. Functioning of these committees led to transparent, congenial, fair and participative based on mutual trust. The structure of governance at AITAM facilitates transparency in Hierarchy, decision making and implementation of programmes, policies and procedures. CASE STUDY- ASPIRE2K20 (A National level Technical Symposium) ASPIRE 2K20 a techno management fest conducted on 28-29 February, 2020 is presented here as a Case Study of decentralization and participative management practices. Initial communication through circular was circulated to all the Management members (BoG), Director, Principal, Deans, Associate Deans, HODs, Professors, Some of the Faculty and Student Class Representatives (CRs) to attend meeting to discuss ASPIRE 2K20 in detail with an agenda. As an outcome of the meeting, the dates for conducting fest were finalised on 28-29 February, 2020. Majority of the members participated and nominated Dr. G.S. N. Murthy, HoD, CSE as Convenor of the ASPIRE 2K20 and Dr. B. Rama Rao, Professor from Dept. of ECE, Dr. D. Sreeramulu, Professor from Dept. of ME, and Mr. J. Suresh Kumar, Assistant Professor from dept. of BSH/SAC as Co- Conveners. BoG empowered Director to

take decisions and constituted various committees as and when required on its behalf. An Advisory Committee was formed with Management members, Director, Principal, Deans, All HoDs, Convener and Co-Conveners as organizers. Director and Principal empowered Convener to take decisions and constitute various committees as and when required on behalf. The committees pertaining Designing, Guest receiving, Hospitality food, Sponsors, Disciplinary, Certificate and helpdesk, Anchoring and Transport were formed by the Convener and Co-Conveners with the approval of Director for taking decisions on its behalf. A student organizer from each department were selected as well to disseminate the authority and responsibilities to micro level works done by student volunteers. After discussions, the committee members finalized the list of committees including HoDs, faculty and students from I, II, III and Final year of all branches with the approval of Convener. Duties and responsibilities of committees and its members were clearly mentioned and discussed. Convener was asked to implement with integrity and commitment. Convener prepared an estimated budget of Rs.14 lakhs for the event. Participations in all competitions from different branches of engineering were invited from all over the country through mail. The Committee checked the mails and prioritized the participations. Programme was inaugurated by the Chief Guest DR K. Hema Chandra Reddy, Chairman, APSCHE who distributed the medals for students on 28th February 2020 and concluded by Guest of Honour of valedictory session, DR G.Syam Kumar, by whom the prizes in sports were distributed on 29th February 2020. The event is experienced by all the faculty and students as players of participative management in a decentralised manner.

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

Yes

## 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
Admission of Students	There has been a considerable growth in admissions year by year in engineering programmes through the entrance test conducted by the government as well as management quota seats. The admissions are majorly from the nearby places and some join from other states and other countries also. Since the certifications, accreditations, placements and awards have been uphold by the institution, the credibility of the institution is transformed in the way of admissions. There is a good demand for the seats from the market as it has got good brand value attributed with discipline, security, placements and ambience.
Industry Interaction / Collaboration	To improving the skills of students Organizing webinars, Guest lectures, workshops by industry experts to make students aware of latest technologies and provided an opportunity for students to interact with Industry experts Motivating students towards internships and make is a credit

course, so it will help the students for having the real time work experience and will help them to get placements. Provided industrial tours to know the best practices opted by different companies/industries. Working towards exchange more MOU'S with Industries to exchange the knowledge.

Human Resource Management

Since autonomy, the BoG of AITAM has made a point to involve faculty at every possible stage in decision making. The BoG believed strongly in the Strategy "Recruit, Mentor, Reward and Retain Best faculty and staff who are innovative, energetic, committed and dedicated to the highest standards of excellence." Accordingly, the college has taken many steps towards development and empowerment of Faculty staff such as encouragement in earning their Ph.Ds, Incentives to publications, encouraging patent applications TA DA to participate in national and international seminars, conferences, workshops and Training programmes etc.

Library, ICT and Physical Infrastructure / Instrumentation

AITAM has 2490 sq.mt. Indoor and 13620 sq.mt. Outdoor facilities. Academic blocks with state of the art labs, workshop, and standby generator, new hostels blocks, extra canteens, mess, dining halls, and sewage treatment plant are some of the infrastructural developments in recent years. An automated Central library is established in two-floors with over 1 lakh hardcopies of books, journals, e-books, rare books, and databases. A centralized server is operational 24/7 providing IT services with a bandwidth Internet connectivity of 110 MBPS. All seminar halls are equipped with LCDs projectors. All the departments are provided with high-end laptops.

Curriculum Development

AITAM offers sixteen programs leading to different degrees in UG, PG, and PhD in engineering and management disciplines. The curriculum design and development focus on thrust areas identified by the APIIC, CII, Planning Commission, and Department of Higher Education which covers employability, HRD, contributions to social and economic development and future global challenges. These objectives are built into the curriculum at the micro level which

satisfy the POs, PSOs and COs. A provision is made for additional courses which sensitize students to cross-cutting issues. The syllabi are revised based on current global trends and stakeholders' feedback.

Teaching and Learning

AITAM recruits the faculty as per AICTE and UGC norms. The subjects are assigned to the faculty members based on competency matrix, specialization and experience. Teachers prepare an elaborate lesson plan, ICT tools, modern pedagogy and Project based labs. To bridge curriculum and industry requirements, additional topics are covered in theory and laboratory course. Further, the knowledge is strengthened by guest lectures, workshops, conferences etc. Additionally, tutorial classes for all and Bridge courses for the freshers and lateral entry students are conducted. Moving towards the 'outcome based approach', every programme formulates a set of PEOs, POs, PSOs and COs.

Examination and Evaluation

- Question Papers for Semester End Examination are set by outside subject experts from reputed Institutions.
- Inclusion of CCTV cameras for Continuous monitoring of examinations conducted in examination rooms, identifies the entry of un-authorized persons into the examination section and Continuous monitoring of activities of examination section and spot evaluation process.
- Appointment of Valuers from reputed institutions ensures impartial valuation of answer scripts.
- Recounting and reevaluation facilities are provided
- Inclusion of security features in grade cards so that chances of manipulations nullified.
- Complete Automation of Examination Management System ensures considerable improvement in the speed, reliability, efficiency, security, transparency, confidentiality and accuracy in the process of the examination process. Parents could access result status of wards.
- Continuous Evaluation of students is carried out by giving assignments, conducting Assessment Tests and Mid examinations, students will be evaluated continuously and corrective measures shall be taken if necessary.
-

Academic and Administrative Audit Report (External) is incorporated so that there is always scope for continuous improvement. • Mini Project and Major Projects are evaluated through presentations and viva. Grades are awarded using the project rubrics framed by the department. • Program outcomes are evaluated using the performance of these course outcomes • Finally, PEO's and PSO's are evaluated using the performance of program outcomes, Graduate Exit survey and Stake holder's feedback.

Research and Development

Research places a key role in the part of Institutional development, there are various opportunities are facilitated in research such as, Providing opportunity to work with higher level institutions like IITs/IIMs. Sponsoring for seminars / conference / workshops / Orientation courses / refresher courses like STTPs, FDPs, SDPs, etc. by paying registration fee, TA/DA with academic leave. Institute providing incentives to faculty and students for publishing their paper in SCI/Scopus / UGC journals. Existing laboratories are modernized with additional equipment and experimental set-up. Exposure to international expertise by organizing invited lectures, work-shops, seminars and conferences, etc. To encourage to pursue PhD, institute provides tuition fee, in addition that providing infrastructure, computing, library, Wi-Fi, PLAGIARISM check facilities, etc.. The institute having research centres in various branches recognised by the university. The students are guided and encouraged to present papers in the seminars and conferences The supporting staff is also encouraged to upgrade their skills by being deputed to relevant authorized / recognized training centers in their respective trades / fields

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

E-governance area	Details
Planning and Development	<ul style="list-style-type: none"> <li>• SMS system has been implemented to disseminate the concerned information including regular notice to respective stakeholders.</li> <li>• Office is digitalized maintaining complete database of students, faculty and staff etc. •</li> </ul>

Library is automated using B-CRT Campus software for inventory Management and facilitating AITAM Cloud for students and faculty to use e- library resources effectively. • Students register choice based/open electives through online portal provided in AITAM website.

Administration

Online communication system is in practice for most of the activities to be accomplished for administration • Programmes such as seminars, FDPs, conferences, trainings etc. are being promoted through digital media • AITAM portal is uploaded regularly with all important happenings in the respective portals. • Notices and circulars are uploaded in the college website and communicated to different departments through email from the office of the Principal • Salary of faculty members and staff is transferred directly to the bank account.

Finance and Accounts

Online admission of students is being done by state government of AP through EAMCET. • Student's database through BEES, is maintained and it can be viewed by the students • Information of Course curriculum, Academic calendar, Time tables are made available in the college website. • Merit list is prepared and uploaded by fully computerized system • Email IDs and contact numbers of all members of Discipline Committee, Anti Ragging Committee, Anti Ragging Squad and Grievance Redressal Cell have been uploaded in the college website and students can communicate to the members through email • Automatic SMS alerts are sent to the parents of students whenever they are absent to class as well as to convey any important information

Student Admission and Support

Examination schedule is provided in website. • On completion of evaluation, marks are computerized. • Processing of results is automated and results are made available in website. • Gradesheets of semester end examination are made available for downloading by students. • SMS alerts are sent to the parents regarding performance in the examinations of their wards.

Examination

Examination schedule is provided in web site. • On completion of evaluation, marks are computerized. •

Processing of results is automated and results are made available in website.

- Grade sheets of semester end examination are made available for students upon confirmation of results
- SMS alerts are sent to the parents regarding performance in the Examinations of their wards.
- BEE's examination Tool Software is in operation for pre examination and post examinations works.
- All the monetary transactions (both the receipts and payments) are processed through CMS online software.

### 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	K.Madhavi	Student-Centred Teaching Methods and Strategies in Higher Education (SCTMSH-2019)	NIT, Warangal	2730
2019	D.Pranaya	Student-Centred Teaching Methods and Strategies in Higher Education (SCTMSH-2019)	NIT, Warangal	2730
2019	M.Bhaskara Rao	Advanced Resonant Converters for Micro-Grid and Electric Transportation	NIT, Warangal	5100
2019	CH.Prasad	Advanced Resonant Converters for Micro-Grid and Electric Transportation	NIT, Warangal	5100
2019	Srinivasa Acharya	Research and Innovations in Engineering Sciences and Management	GIET, Rajamah endravaram	2170



2019	B.Manmadha Kumar	Innovations in power , Energy and Intelligent Control systems (IPEICS-19)	Vignan University, Guntur	6000
2019	Dr.G.Nageswara Rao	Deep Learning Using Python Programming	EICT Academy, IIT, Guwahati	10450
2019	Dr.K.Yogeswara Rao	Deep Learning Using Python Programming	EICT Academy, IIT, Guwahati	10450
2020	Dr.Saumendra Das	Managening organizations in the Digital Era: Issue Challenges	Berhampur University	900
2020	V.Gopala Krishna	Managening organizations in the Digital Era: Issue Challenges	Berhampur University	870
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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)
2020	Technological Advances in Wireless Communication Systems	NIL	22/06/2020	26/06/2020	120	Nil
2020	Advanced Manufacturing Enterprise in Digital Era	NIL	01/06/2020	05/06/2020	312	Nil
2019	FDP on Deep Learning Using Python Programming	NIL	04/11/2019	08/11/2019	60	Nil
2020	One week Faculty de	NIL	16/06/2020	20/06/2020	200	Nil

	velopment programme on Intelligent computing in data Sciences					
2020	One Week Online Mode Faculty Development Programme on "Performance of Reliable Materials in Concrete"	NIL	29/06/2020	03/07/2020	203	Nil
2020	One Week Online Mode Faculty Development Programme on "Challenges and Research opportunities in microgrid operation, control and protection"	NIL	15/06/2020	19/06/2020	203	Nil
2020	One Week Online Mode Faculty Development Programme on "Overcome Your Mental Barriers- Unleash your Inner"	NIL	01/07/2020	05/07/2020	76	Nil
2019	Life Skills Education to Protect Interactua l Property and	NIL	10/07/2019	23/07/2019	57	Nil

	Leverage Ethical Behaviour					
2020	A Five Day Programme on "Statistical Trends and Practices in Science and Technology"	NIL	04/07/2020	08/07/2020	145	Nil
2020	A Five Day Programme Programme on "Machine Learning and Its Real-Life Application"	NIL	04/07/2020	08/07/2020	230	Nil

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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
Five day faculty development program on "overcome your mental barriers- unieash your inner potential"	15	04/07/2020	08/07/2020	5
Challenges and Research Opportunities in Micro grid Opeartion, Control and Protection	30	15/06/2019	19/06/2019	5
Technological Advances in Wireless Communication Systems	39	22/06/2019	26/06/2019	5
Outcome Based Education	100	13/07/2019	14/07/2019	2

Outcome Based Education	110	30/11/2019	01/12/2019	2
Recent Funding Opportunities	25	19/07/2019	19/07/2019	1
One week online faculty development program on "performance of reliable materials in concrete"	20	29/06/2020	03/07/2020	5
FDP on Intelligent Computing in Data Science	45	16/06/2020	20/06/2020	5
One week Faculty development programme on Deep learning using Python programming	46	04/11/2019	08/11/2019	5
Life skills Education to protect Intellectually property and Leverage ethical behaviour	90	10/06/2019	23/06/2020	15
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
207	207	135	135

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
? All the regularized staff members are covered under Employees Provident Fund Scheme. ? Providing Group Insurance to the staff ? Concession on Transport facility for all staff members . ? Medical leave for staff members and Maternity Leave for female employees with full	? All the regularised staff members are covered under Employees Provident Fund Scheme. ? Providing Employee staff insurance to the staff ? Concession on Transport facility for all staff members. ? Medical leave for staff members and Maternity Leave for female employees with half-pay	? Providing Merit scholarships for poor and meritorious students in the institution every year. ? Providing fee concession for desired students. ? Encouraging cash awards for best eamcet rank students. ? Encouraging with Gold and silver medals for class topper students ?

salary. ? Special study leave to pursue higher education and supporting financially towards their fees. . ? Academic leaves are sanctioned for attending conferences and workshops. ? Study leave is granted for higher education and qualification improvement. ? Providing Registration fees, Dearness allowance, Travel grants for faculty attending conferences and workshops. ? Providing travel grant for attending International conferences/paper presentations at Aboard. ? Providing incentives for SCI/Scopus/UGS paper publications and projects to the faculty. ? Providing incentives for toppers and 100 scored in NPTL online course to the faculty. ? Revenue shared to the faculty in their consultancy projects. ? Special Incentives are providing towards patents and books publications. ? Providing financial support for Professional body memberships to the faculty. ? Providing performance incentives for faculty who got 100 result in their respective subjects. ? Subsidiary fare in canteen facilities and hostel facilities. ? Best Teacher award announced to faculty every year. ? Institute Providing financial support in medical purpose. ? In the event of death of an employee in service, his/her dependant will be considered for employment on compassionate grounds, depending upon the merit of the case, limited to the cadre Junior

salary. ? Special study leave to pursue higher education and supporting financially towards their fees. ? Short term Training programmes are arranged every year to non - teaching staff for up gradation of their knowledge. ? Marriage gifts with one-week leave. ? Subsidiary fare in canteen facilities and hostel facilities. ? Best employee award announced to supporting staff every year. ? Institute Providing financial support in medical purpose. In the event of death of an employee in service, his/her dependant will be considered for employment on compassionate grounds, depending upon the merit of the case, limited to the cadre Junior Assistant, subject to eligibility of the individual concerned and the availability of vacant posts. ? Uniform is provided at free of cost to the class - IV employees.

Providing seed fund to the student projects and start-ups. ? Conducting Entrepreneur awareness camp (EAC) development to the students. ? Conducting Alumina meet every year with old and present students ? Providing Registration fees, Dearness allowance, Travel grants for students attending paper presentations. ? Providing incentives for paper presentations, paper and patent publications. ? Fee waiver for students who excel in sports. Special cash awards to National level and global level achievers . ? Sponsorship to attend conference in abroad and India. ? Student exchange programs are encouraged. ? Cash awards to best projects. National level competitions are conducted for the welfare of students. ? Providing skill development trainings to improve their employability skills through Skill development Center. ? NPTL local chapter - online courses is obtained for the benefit of students. ? Students, who excel in their studies in the semester examinations and getting Gold medals and university ranks, get scholarship awards from the management, every year, for his/her brilliant academic performances . ? Providing placement class from 1st B.Tech onwards. ? We obtained for conducting. Students, who excel in their academic result, will get the benefit of attending

Assistant, subject to eligibility of the individual concerned and the availability of vacant posts. ? NPTL local chapter - online courses is obtained for the benefit of faculty. ? Supporting for Bank loans and salary advances to the staff.

direct placement conducted interviews in our campus. Other students, who may not have shown excellence in academics, are also given a chance in the placement conducted interviews, where the students will have to write a written test, followed by a Group discussion and an interview to get through in the selection process. ? Supported for education loans.

## 6.4 – Financial Management and Resource Mobilization

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

In every financial year, the college conducts internal audit by internal auditors and external audit by the statutory Auditors M/sV.M.RaoCo., Srikakulam. After accomplishing monthly accounts, the same are audited by internal auditors appointed by the management. While verifying entries, any mistakes identified will be rectified by the departments. After rectifications, the report is submitted to the governing body. The external statutory auditors visit the office twice in a year for vouching audit and submit the final audit report. After completion, the final statutory audit report is submitted to the governing body for approval in June/July every year.

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	0	NIL
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6.4.3 – Total corpus fund generated

0
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## 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	Yes	External Experts	Yes	Internal Audit Committee
Administrative	Yes	External Experts	Yes	Internal Audit Committee

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

1. Meetings are conducted with parent and teacher on a regular base to identify several issues amalgamated with students. 2. There is no formally structured parent- teacher association, but feedback from parent is collected occasionally. 3. The collected data supplemented to the development of Institution. 4. Most of the problems associated with students are identified

and solved through consultancy.

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

1. Imparting ethical orientation and professional management in administration.
2. Supporting staff are sponsored to attend continuous education.
3. Training programs and work shops are arranged to improve their knowledge /skills/ qualification.

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

- Participation in NIRF
- Participation in AISHE
- Extension of Autonomous status by UGC
- Faculty are encouraged to publish the papers in the journals indexed in SCI, SCOPUS, DBLP databases and UGC recognised journals
- Mandatory Internships in the curriculum

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	Participation in NIRF	28/11/2019	28/11/2019	28/11/2019	3000
2020	Participation in AISHE	28/02/2020	28/02/2020	28/02/2020	3000
2019	Academic Administrative Audit (AAA)	01/08/2019	01/08/2019	01/08/2019	3000
2019	Measures taken to make the Green campus	15/08/2019	15/08/2019	15/08/2019	1000

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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
Women students mentoring programme	09/08/2019	09/08/2019	128	Nil
Entrepreneurs hip awareness camp Dept. of	10/10/2019	10/12/2019	29	51

ECE				
Entrepreneurs hip Awareness camp Dept. of EEE	14/10/2019	16/10/2019	10	19
Entrepreneurs hip awareness camp Dept. of CSE	17/10/2019	19/10/2019	41	29
Entrepreneurs hip awareness camp Dept. of C.E. & M.E.	21/10/2019	23/10/2019	10	50
Disha Rally-an awareness programme	04/12/2019	04/12/2019	250	150
Women safety - cyber crime awareness	10/12/2019	10/12/2019	130	Nil
Study Abroad - Make Your Dreams Come True	02/03/2020	02/03/2020	100	93
A Seminar on Women's Health Women's day celebrations	08/03/2020	08/03/2020	125	Nil
Women students mentoring programme	21/11/2019	21/11/2019	94	Nil
Girl child safety programme	24/01/2020	24/01/2020	87	Nil
Self defence programme for girls	05/02/2020	05/02/2020	38	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
28.04

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	No	Nil
Ramp/Rails	Yes	2
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	2



Scribes for examination	Yes	Nil
Special skill development for differently abled students	Yes	Nil
Any other similar facility	Yes	2

#### 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
2020	1	1	30/01/2020	1	Agricultural programme	Creating awareness about Mechanization system and organic farming	54
2020	1	1	31/12/2020	1	Medical camp	Creating awareness about health and hygiene	54
2020	1	1	01/02/2020	1	Swatch bharat Programme	Creating awareness about cleanliness to the village people	54
2020	1	1	02/02/2020	1	Save girl child programme	Beti Bacho Beti padao initiation at rural villages	54
2020	1	1	03/02/2020	1	Motivation class to school students	To aware the students how to prepare for the board exam	54

2020	1	1	04/02/2020	1	Games cultural activities to school students	minations To aware about physical fitness to the	54
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#### 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of conduct Handbook for Students	01/07/2019	Handbook was initially published on 05/05/2001. Then after Handbook was periodically updated
Code of conduct for Staff	01/07/2019	Handbook was initially published on 05/05/2001. Then after Handbook was periodically updated

#### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
NSS Unit conducted Online International Yoga day	21/06/2019	21/06/2019	80
Independence day celebrations	15/08/2019	15/08/2019	130
Teachers day	05/09/2019	05/09/2019	110
Awareness on plastic free India	02/10/2019	02/10/2019	800
Gandhi Jayanti	02/10/2019	02/10/2019	150
National Unity Day	31/10/2019	31/10/2019	180
Constitution Day	26/11/2019	26/11/2019	50
AIDS Day	01/12/2019	01/12/2019	140
Beti Bacho Beti Padhao at adopted village	24/01/2020	24/01/2020	50
Republic day celebrations	26/01/2020	26/01/2020	100
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#### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

In spite of the institutions substantial growth in recent past, the college has undertaken several steps to move towards becoming environmentally sensitive and a more sustainable. The major Green Initiatives by the campus are as follows: ? Installation of Solar Power Plant (Green Energy Production) with an installed capacity of 250 kW to save energy and to reduce the consumption of conventional power supply from APEPDCL. ? The college was designed a "dead storage" parking system for buses and vehicles to encourage students and staff to drive their

vehicle but then leave in the parking lot is a testimony to found zero emission rates within the campus premises. ? More so, the campus has installed with LED street lights, all blocks illuminated with tubes/CFL/LED bulbs and all appliances are rated moderate as per BEE norms. ? Shifting 100 fuel efficient vehicles to reduce pollution, all our light weight vehicles (Buses) are meeting the BS-IV emission norms. Also campus is running Battery operated car and looking to introduce some more in future on requirement. ? Implementation of RWH of both Roof top and Road roff systems appropriately in the campus premises to provide protected and safe water supply to their stake holders via ground water quality testing and establishing WQI (Water Quality Index) time to time.

? Maintenance of campus ecosystem clean and green to provide hygienic environment through conducting yearly plantation programs and also for ecosystem restoration. ? Campus is maintaining Biodiversity Register to know its ecosystem healthiness, potentiality and Carbon foot print to enrich with O2, green and cleanliness in the campus. ? Resources efficient utilization and waste management through conducting resources audit (Environmental audit, Water audit, Energy audit etc.).

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

The college has a good number of dextrous practices in which the deserved exemplary to mention are women development cell and SAC which have largely contributed to the achievement of Institutional goals and quality improvement of academic activities as well BEST PRACTICE- 1 1. Title of the practice: Performance Based Appraisal System (PBAS) Performance Based Appraisal System (PBAS) is a transparent system formally and systematically operated to help both employer and employees in planning, managing, evaluating and realising performance improvement with an aim of achieving institutional goals. The college has developed Performance Based Appraisal System to evaluate the annual academic and professional contributions of faculty confidentially. 2. Objectives of the Practice: • To measure the performance of the employees, Provide feedback and assist them to increase their potential. • To maintain the records for the consideration of salary increments, promotions, special incentives etc. • To identify Distinctive academic talent and nurture it towards further advancement. • To improve teaching learning process by bridging the employee performance and students' learning outcomes. • To facilitate the work atmosphere to the employees to attain their research practices, publications, certifications, awards, patents, participations and conductions of STTP/FDP/Conferences/Seminars/ Workshops etc. 3. The Context: Multi-dimensional participation of faculty is highly demanded by the dynamic technological inclusions inacademic, research and community development of higher educational institutions. The guidelines of higher authorities have been considered to embrace in the design. The consequences frequently come across in the academic practices are • Ineffective use of ICT tools and online certification, • MoUs to be increase in a good number • Quality publications are to be increased • Participations in eminent training programmes, conferences, seminars etc are to be accomplished by all faculty with increased efforts • Motivation is needed for Research proposals • Reluctance and complacence among faculty is to be eradicated • Enhancing the administrative skills among the faculty While designing and implementing Performance Based Appraisal System, certain contextual features have also been considered. • Individual faculty is accountable for the resources allocated and his/her performance for every activity • Involvement of all employees is observed in the process of setting up the objectives and achieving the targets as well. • The recognition at the stand point of monetary and non-monetary benefits motivate the employees • Documentation of every assignment and achievement helps the employee to retrospect and generate required evidences to assist the

department to maintain the records. • Employee understands his/her role through PBAS thus being determined to achieve personal as well as institutional goals.

4. The Practice Various parameters of curricular and co-curricular, Extra-curricular, RD and administrative activities are executed the evaluation of Performance Based Appraisal System. The weightage taken into consideration during assessment and evaluation of these parameters varies depending on the cadre of the faculty The format of PBAS is updated periodically based on the expectations of regulatory bodies. Self-Appraisal Report (SAR) is evaluated by a committee constituted by the director and principal with HoDs of all departments. The committee evaluates all the faculty in the college and the faculty have to submit the necessary evidence during evaluation of the filled SAR format which are scrutinised meticulously by appraisal committee comprising of Director, Principal and concerned HOD. The evaluation is accomplished with APA Score. Keep the final score false below the minimum level the faculty will be counselled for improvement. Academic audit twice in a year is also taken up by Director and Principal to assess performances of all the departments. 5.

Evidence of success: This practice enabled all the faculty to be duty conscious with determined efforts on accomplishing the guideline and reaching the goals. It also motivated to become good teachers. Besides the college is experiencing

- Improved academic culture among the faculty with high spirits of enthusiasm towards the system
- Participation in research and administrative activities have been increased
- Use of ICT tools for effective teaching learning process has been enhanced
- Initiation of innovative practices in teaching , research and community services
- Faculty awarded Ph.D. for last five years is considerably significant
- Participation in NPTEL Certification is increased
- Sponsored projects in recent 2 years are increased
- Participation and organising of FDPs workshops, seminars, conferences by faculty is improved

6. Problems encountered: • Manual evaluation of all faculty involves more time and efforts

7. Resources required: • Automation is needed to reduce the time at every step

BEST PRACTICE- 2 1. Title of the practice: Student Activity Centre (SAC) With ever changing paradigm shifts in the field of academics, students are continuously looking for new avenues to evolve themselves. Student Activity Centre (SAC)community provides the skill development activities which are not generally found in the present engineering students. It also supplements certain knowledge on the trendy areas of technology categorically. On the other hand SAC examine the how perceptive the students really are towards the subjective stuff and its matching to the skills they have. 2. Objectives of SAC

- To encourage students to participate in the development of the institution and build their career, personality and organizational skills through interactive programs with the faculty, administration and society.
- To provide opportunities to every student involved in culturally enriched activities.
- To offer a platform for students to extend themselves and grow in their area of hobbies/interests.
- To expand horizon and inculcate the habit of thinking out of box amongst students with respect to designing their cultural activities

3. The Context "Knowledge is the third eye of an individual which gives him insight into all affairs and teaches him how to act." As pioneering principle SAC was established out of the knowledge applications being nurtured among student community. It was found that most of the students from rural background need a holistic place backed by certain policies to explore various real time technologies, entrepreneurial activities, Alumni interactions etc. Students are highly habituated to academic activities and focus more on the credits where the skill set is not diffused to the extent of exhibiting outstanding performance in the work life in future. It is highly recommended that the students should also be nurtured with non-academic activities which will improve the self-sustainability and personality. The students are not able to work in a different work environment and stressful to face new technologies and people which is a bottleneck in the present industrial trendy environment which is dynamic enough. SAC takes the experience of showing path of success and lets

them search the way to mould themselves to any situation in life to suit the requirement of world by understanding the advantages of active learning 4. The Practice SAC forms student promoters' team by selecting students in first years from different branches and make them trained to be a tech geek. Consequently, they are allowed to take part in Technical Non-technical clubs based on their interest. During this learning phase, SAC educates them how to organize, participate and coordinate the competencies prevailing in the market. Throughout second year, the students are in learning and practice phase. After second year, they will be moved to projects phase and knowledge transformation phase. After hooking up with the required knowledge, the trained students will be eligible for industrial placement. By this practice method, students will grade up the knowledge on copious technologies as well as get a better platform to showcase their skills. SAC helps students to escalate their personality development skills. The activities focused by SAC are • Webinars are the foundation for the students out there in the SAC, which motivates and attracts students of various clubs in the respective fields by eminent persons from the industry. Webinars focus on providing a bird eye overview on a particular technology and lets the student know the industry trends and advancements to start that as their career path, webinars build up confidence and hope of getting succeed in the selected path .Webinars are hosted by SAC where speakers are the professionals from India and abroad too enabling students to explore various areas of industry. • SAC helps students in personal guidance which is important for a healthy environment of learning and building. In view of getting students strengthened in some aspect Workshops are hosted to provide mentorship for learning from scratch in a time of 1 day to 1 week which enables improvement in the students communication, team building, and the niche in the technology where training is been given. All round development is the only motive for hosting workshops. • The events focus on students involvement and passion for enhancing public speaking and management skills which are always essential for a professional to manage all the things around them to ensure a holistic events making more successful and tech events focusing on exposure of their inch in technical skills at a competitive level. • A strong applicative knowledge makes a student stand out from the rest .That is the key for success of students at SAC that the things learnt need to be applied is the only

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

<https://www.adityatekkali.edu.in/igac/19-20/7.2.1.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

Academic excellence through TEQIP II: AITAM was selected as one among 25 private institutions in the country under TEQIP Phase II (2011-12) through a nationally competitive selection procedure with an objective to strengthen institution to improve learning outcomes and employability of Graduates. The Threefold approach, FUNDING Rs 6 crores (4 crores general and 2 crores for one of the Best performing Institutions), MENTORING, PERFORMANCE AUDITING and support from the TEQIP programmes have played a crucial role in improving academic excellence through the following activities: Implementation of Institutional reforms: Obtained UGC Autonomous institution status in 2013, 80 of its eligible UG programs Re-accredited by NBA (2018) and Accredited by NAAC in 2013. Four BoG meetings held to improve the overall quality of education every year. Updating learning resources: Digital Library strengthened by subscribing 356 online journals including IEEE, SPRINGER, ASME, ASCE etc. 2460 special reference books also purchased.Total 12 Software Packages have been purchased for R D activities. Curricular reforms: Made changes in the

curriculum after reviewing with Industry personnel resulting in R13, R16 and R18 regulations with the approval of BoS, Academic Council and BoG. Faculty and Staff development for improved competence: 100 regular faculty with Master degree, 41 having PhD degrees (12 in 2013) and 75 are pursuing PhD in various universities. Four departments i.e CSE, Mechanical, EEE ECE recognized as Research centres by JNTU Kakinada. (12 students pursuing Ph.D. under our faculty supervisors). Total 50 In House Programmes organized 56 Faculty deputed to IITs 05 to NITTTRs for pedagogy training. The number of publications in the referred journals is increased from 319 to 1397. Enhanced interaction with industry and Employability: 18 MoUs signed with institutions and industry for internships, trainings and placements. The placement rate has increased from 30 to 60 and the average salary of placement package increased from 1.2to 3 lakhs per annum. 10 innovative ideas were incubated out of which 5 are started functioning and became entrepreneurs. Research culture is encouraged among the students and faculty by participating in conferences, Project-Expo and Innovative Idea conclaves. Recently 4 students have participated in Stanford University, USA programme. Institutional management capacity enhancement: 39 Faculty deputed to IIMs, 02 to ISB, 02 to ASCI, and 08 to ESCI to improve the management Leadership skills enhancement to develop Next Academic Leaders. Academic support to weaker students: Remedial classes, special classes for hostel students (BC, SC ST) were conducted successfully to improve the pass percentage and transition rate (1st year to 2nd year) from 50 to 65. Increased overall student and faculty satisfaction: Since its inception AITAM has been encouraging the students faculty in their academic pursuits by imparting high quality technical education and striving hard to transform this institute into one of the best technological institutions in the country.

Provide the weblink of the institution

<https://www.adityatekkali.edu.in/igac/19-20/7.3.1.pdf>

### **8.Future Plans of Actions for Next Academic Year**

- Preparation to complete the next cycle Accreditation aimed to achieve NAAC A
- Preparation to achieve good Ranking in NIRF
- Preparation to achieve good placement in NIRF ranking
- Introducing the new programme B.Tech- Artificial Intelligence and Machine Learning (AIML)
- Establishment of Industry Incubation Centres
- Endeavouring better placements with higher packages
- Encouraging faculty towards research work, Patent publications and community service by apportioning more funds and incentives
- Encouraging more number of students to National/ International Industry driven competitions and conferences
- Planning for the best utilization of physical and online Library resources by students and faculty
- Motivating engineering students to become entrepreneurs
- Improving the overall social betterment of nearby villages by organizing Exchange of knowledge/ awareness programs