



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

**ADITYA INSTITUTE OF TECHNOLOGY AND
MANAGEMENT**

**K. KOTTURU, TEKKALI, SRIKAKULAM-DIST
532201**

www.adityatekkali.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Over the past one and half decade, Aditya Institute of Technology And Management (AITAM), a premier engineering institute in the northern coastal Andhra Pradesh located at Tekkali adjacent to NH-16 at the distance of 45 Km from district head quarters of Srikakulam has been engaged in providing quality education to the future generations of Engineers and Managers. AITAM, one of the top ranking institutes in India, has achieved global identity not only in terms of academic achievement and excellence but also in terms of its presence in research and successful completion of Govt. projects.

It started in **2001** by philanthropic personalities with Three B Tech programmes in ECE, CSE & IT with an intake of **180** students, today it has emerged as a leading technical institution in the State with an intake of **990** students besides providing employment to highly qualified and experienced 246 faculty and 235 supporting staff. At present, six **B.Tech.** programmes in CSE, IT, ECE, EEE, ME & CE, **five M.Tech.** programmes in CSE, TE, PED, VLSI & SD, SE in addition to **MBA** programme are being offered for national and international students.

Four B.Tech programmes are accredited by **NBA** in 3rd cycle and got autonomy in 2013. The institution is recognized by UGC under **2(f) & 12(B)** and permanently affiliated to **JNTU, Kakinada**. It is one among the few Technical Institutions in India participated in **TEQIP Phase –II**. and got grants for its academic excellence. JNTU Kakinada sanctioned Research **Centers** to Dept of ECE, CSE, Mech & EEE to foster research in the respective fields of the departments and contribute for the social cause and upliftment of the society and nation as a whole. The college is also recognized as Scientific and Industrial Organization by DSIR, Government of India. In last five years, an amount of around Rs.250 Lakhs is granted by different funding agencies for research and innovation in various fields of engineering and management.

Vision

Vision

TO EVOLVE INTO A PREMIER ENGINEERING INSTITUTE IN THE COUNTRY BY CONTINUOUSLY ENHANCING RANGE OF OUR COMPETENCIES, EXPANDING THE GAMUT OF OUR ACTIVITIES AND EXTENDING THE FRONTIERS OF OUR OPERATIONS.

Mission

Mission

SYNERGIZING KNOWLEDGE, TECHNOLOGY, AND HUMAN RESOURCE, WE IMPART BEST

QUALITY EDUCATION IN TECHNOLOGY AND MANAGEMENT. IN THE PROCESS, WE MAKE EDUCATION MORE OBJECTIVE SO THAT EFFICIENCY FOR EMPLOYABILITY INCREASES ON A CONTINUED BASIS.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. AITAM imparts quality technical education for students hailing from a backward district, Srikakulam and rural north coastal areas of Andhra Pradesh since 2001 for their social upliftment.
2. AITAM is an AICTE approved, NBA& NAAC accredited and an AUTONOMOUS college in the Srikakulam district where consistently most of the seats are filled-up by brand image and confidence of parents.
3. AITAM's management commitment, transparent policies, incentives/rewards schemes and professional and personal growth opportunities for well-rated faculty helped in 95% faculty retention for last fifteen years.
4. AITAM's unique selling points are very good physical infrastructure with more than 3,80,000 sq ft built-up area, well-equipped laboratories, air-conditioned digital library, computing facilities with networking, web-based information system, Wi-Fi campus, Students' Interest, Alumni Interest & Participation and committed faculty members including 35 Doctorates(Ph.D.s) and 58 pursuing PhD who are young, dynamic and quality conscious.
5. Highly motivated faculty with strong work ethics and commitment for quality teaching results in participating in TEQIP II project and selected as one among the best performing institutions.
6. In-house placement and training programs, career guidance from 2nd year onwards help students in getting good placements in industries.
7. Entrepreneurship Development cell provides special attention to developing entrepreneurship skills to mould students to become entrepreneurs and also provides support to local entrepreneurs.
8. AITAM's willingness to recognize weaknesses and make improvement for an atmosphere of success for students, faculty and staff is its uniqueness.
9. Better research culture in the institute and Industry Institute interaction encourages for better quality to students and faculty.

Institutional Weakness

1. A Few faculty members have industrial and research experience with Ph.D. qualification.
2. Culture for Research, Development and Consultancy activities have just taken roots recently resulting in less number of publications and no patents.
3. Students from rural areas with poor communication skills, less motivational skills with the spoon-fed culture always require special attention to increase the employability of graduates.
4. Graduating students have little experience on real-time design projects and exposure to industrial applications lead to low learning outcome of the students.
5. Limited budget allocation for faculty, staff development programmes and to organize international/national workshops, seminars and conferences.
6. Low Academic performance of SC, ST, OBC students needs special attention.
7. Less awareness among parents about the milestones achieved by girl students in professions and fields due to which they discourage students for joining industries.

8. Being in a remote district in Srikakulam, AITAM is at demographical disadvantage for not being properly connected with rail and airways for better access of national students.
9. Due to continuous turbulence in the job market employment ratio is coming down.

Institutional Opportunity

1. Growing rural industrialization (Thermal power plants, Software Park at Visakhapatnam etc.) in the region may provide good employment potential to the college students.
2. Strategic focus on to start and develop high demand and need-based PG and certification programmes.
3. The possibility of utilizing local, regional and national development opportunities in emerging sectors for teaching, research and consultancy.
4. Young and dynamic society is a good pool for potential students and parents are ready to accept changes.
5. Visakhapatnam, a fast developing industrial city is close (140 km only) to Tekkali to get better employment opportunities.
6. Increase and strengthen internal and external collaborations with other educational institutions along with industries.
7. Possibility to increase external revenue through short-term courses, testing services, training in appropriate technology suitable to this region.
8. The possibility of improvement in the overall progress of the institute because of Autonomous status.
9. The possibility of MOUs with institutes of repute like IIT, NIT and industries in India and abroad.

Institutional Challenge

1. Goals at Institutional level, Department level and individual level should be achieved .
2. Branding and Change effectiveness.
3. Emerging competition from Local, Regional and Global Private, Government institutions and Universities in the fields of quality educations ,placements, research, and global exposure
4. Fast pace of developments in technology and emerging new fields leading to more Challenges for students and faculty in specific and to the collage in general.
5. Fluctuating job market in the country and abroad.
6. Quality of incoming students (Language, analytical, thinking, motivation) in future.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

AITAM offers sixteen programs providing a number of program options leading to different degrees in UG, PG, and PhD programs in the disciplines of engineering and management. The curriculum design and development takes care of the local needs collected from a study of the thrust areas identified by the APIIC, Govt. of Andhra Pradesh. The main focus is on the priority areas specified by CII, Planning Commission, and Department of Higher Education which are incorporated in various programs covering the prime needs such as employability, human resource development and contributions to social development and national economy.

Another major area of focus is development of high-skilled human resources to meet future global challenges

successfully. These objectives are built into the curriculum at the micro level, where the students have to satisfy the POs, PSOs and COs. About 70% of the designed programs are synchronized with the global, national and local needs of employability and entrepreneurship.

The curriculum principally aims at the holistic development of students. In order to achieve this, a provision is made for additional courses and activities not directly linked to one's discipline of study. These courses sensitize students to cross-cutting issues like Environment and sustainability, Human values, Gender issues etc. The syllabi are revised from time to time based on current global trends and stakeholders' feedback. A wide range of value-added courses are offered across all disciplines catering to the Economic, Societal and Environmental needs of the nation.

Teaching-learning and Evaluation

AITAM, a renowned brand name in the northern coastal Andhra Pradesh has left a mark in the field of technical education and academic excellence all through the state so the demand for AITAM has increased year by year, resulting in 95% seats getting filled through state level entrance examination "EAMCET" and category-B seats.

The institute having the policy of recruiting well qualified and experienced faculty as per AICTE and UGC norms for better implementation of teaching-learning process. The teachers of AITAM have developed a passion towards the profession. The subjects are assigned to the faculty members based on their competency matrix, specialization and experience. Well ahead of the commencement of semester, teachers prepare an elaborate lesson plan, innovative processes in teaching and learning like ICT tools and modern pedagogical techniques, Project based labs, etc are adopted by the AITAM faculty.

To bridge the gap between the institute prescribed curriculum and requirements of the industries, necessary additional topics are covered in every theory and laboratory course. Students' subject knowledge is further strengthened by relevant guest lectures, workshops, conferences etc held during the course of the study. The regular classes are complimented and supplemented with tutorial classes in addition to, Bridge courses are also organized for the fresher's, slow learners and lateral entry students in the institution.

Moving towards the 'outcome based approach' in the teaching, learning and evaluation process, every programme in the institution has formulated a set of PEOs, POs and PSOs. Apart from this, a set of COs have been framed for each course. Systematic procedures have also been devised for assessing the attainment of these outcomes. The appropriate collective measures are adopted based on the attainment levels observed every year among students.

Research, Innovations and Extension

The institution has well defined research development and consultancy policy. Being a distinguished centre for higher learning, this institution encourages research in all areas and provides financial support as seed money to the faculty. Four departments (CSE, CSE, ME & EEE) of the institution has been recognized as research centres by JNTU, Kakinada. The established research centres have well equipped centralized facilities. To promote the research culture among the students, AITAM established the Innovation and Incubation Centre, moreover, a R&D cell has been established with eminent academicians as its members in the institution to promote research.

In last five years, Thirty seven funded projects, worth Rs.250 lakhs has been sanctioned by UGC, AICTE, DST etc and many of them have been successfully completed. Subscription to online e- journals, budget allocation for R&D is some of the initiatives taken by the institution to further promote the research activities in a large scale.

The research activity is progressive and proactive with more than 1000 papers published in various peer reviewed and referred journals, in addition to it fifteen books were also published by members of the faculty. This institution has collaborations with various national and international institutes to access the fabrication and characterization facilities. The institution has well established IPR Cell for bringing awareness by conducting various workshops on patent rights.

The prime focus of this institution is commitment to transfer empirical knowledge to applicable and reliable practices which replaces individual brilliance with collective, collaborative and societal utility through extension activities.

Infrastructure and Learning Resources

The college has all the necessary facilities with experienced and well-qualified members of the faculty to nurture the young minds in a high academic ambience. In tune with the increasing enrolment, there has been a marked improvement in infrastructure facilities over the years. Academic blocks with state of the art labs, workshop, and standby generator for uninterrupted power supply, new hostels blocks, extra canteens, mess, dining halls, and sewage treatment plant are some of the infrastructural developments seen in the last five years. The college also has adequate space and amenities to conduct competitive exams like EAMCET and other national and state level entrance exams along with it has organised many national level competitions successfully.

The College is committed to promoting sports activities towards the all-round growth and development of its students. The campus has 2490 sq.mt. indoor facilities and 13620 sq.mt., outdoor facilities for conducting various sports and games. The College has two well qualified Physical Education staff who monitor and conduct all the extracurricular activities in the campus.

A serene green campus sets an ambience for peaceful learning. The buildings are kept clean by housekeeping staff members. The two-floored Central library is fully automated and air-conditioned with over 1 lakh hard copies of books, journals, e-books, rare books, and databases. A centralized server is operational 24/7 to provide uninterrupted IT services with a bandwidth of Internet connectivity of 110 MBPS

All departments are well equipped with the state-of-the-art technological advancements for effective teaching and learning process and all seminar halls are equipped with LCDs projectors. All the departments are provided with high-end laptops to make the lectures more interesting and effective for better understanding of the students. Information and Communication Technology is found to be a thrust area for the employability of students so a due care has been taken to offer basic and advanced courses in IT related areas to all students. All such emerging areas have been thoroughly discussed with the peers in the industry and professors at various institutes while designing the course structure. Faculty members are following ICT-enabled teaching-learning processes.

Student Support and Progression

The Government has been reimbursing fee and issuing scholarships to all the eligible students of the institution. The institution also provides financial assistance to the needy students and meritorious students from time to time.

The institution puts special efforts to reduce students' dropout rate and to increase its pass percentage. Personal enhancement and development schemes such as coaching classes for competitive examinations, career counselling, soft skill development, etc. are arranged to the students every year. The institution has a permanent training and placement cell which helps in training students in all the desired fields to crack placements/jobs in national and multinational companies in both core and IT enabled service industries from the institution so on-campus selection is one of the areas focused for sustainable growth of the institution. The EDC (Entrepreneur Development Cell) develop entrepreneurship skills of the students.

The institution has a mechanism for timely redressal of student grievances and prevention of sexual (gender) harassment in the campus. Students play active role in academic and administrative bodies of the institution. The institution has an anti-ragging committee in which students are included as members to monitor students' interactions effectively in the campus.

Students are encouraged to participate in sports and games at state, national and international levels. Student participation in co-curricular and extra-curricular activities is encouraged. The alumni association contributes significantly to the developmental plans of the institution. Feedback from students is used for planning and developing supporting services to cater the needs of the students.

Governance, Leadership and Management

AITAM has created a well-defined transparent organizational structure with participative management through decentralization. The structure of governance facilitates transparency in hierarchy, decision making and implementation of programs policies and practices. The Academic, Executive, Research, IQAC and Administrative wings of governance have well-designed structure supported by a number of committees, forums and governing bodies. The existing governance helps in establishing clear-cut policies, practices and outcomes as part of perspective planning based on which strategy development and deployment process are initiated.

The governance structure supports a culture of involving members of faculty at all levels of decision-making and implementation. Thus, the various levels of good governance provide scope for participative and productive involvement of various key stakeholders of the institution.

Faculty is provided with financial support for professional body memberships and to attend conferences. A transparent self-appraisal format separately for teaching and non-teaching staff is developed. AITAM has established procedures and processes for planning allocation and optimum utilisation of financial resources. Strategies for expanding consultancy base, government grants and mobilization from other resources is developed. IQAC developed quality management strategies in all academic and administrative aspects. These initiatives include collection & analysing of feedback from stakeholders for improvements, accreditation, certification and participation in all rankings like NIRF, AISHE etc.

Institutional Values and Best Practices

AITAM core values are aligned to its mission and vision, and reflected in the curricular and professional growth of the AITAM community. Equity as its premier value and a Women's Forum as its mouthpiece, the college promotes gender sensitivity among all stakeholders. Girls are given special counseling to overcome depression, abnormal behaviour etc.

AITAM has a well-defined environment policy. The focus is on renewable energy, waste management, rain water harvesting and green practices. The aim is to develop awareness on environmental issues and sustainability. By establishing solar panel power generation unit in the campus, a healthy increase in reliance on renewable energy sources has already initiated.

AITAM builds a safe, healthy and sustainable environment among students and faculty. Facilities are also provided for differently-abled persons catering to their specific needs.

AITAM enjoys demographical advantage for being established in a serene, eco-friendly, pollution-free environment, that facilitates smooth knowledge transfer and inspires intellectual and creative enterprise. Another advantage is creation of direct and indirect employment opportunities for the local unemployed youth of the district. Lack of connectivity and lack of industries in the vicinity are major disadvantages encountered, but these are partially alleviated through extension and outreach programmes undertaken by the institute.

The core values and the developments stated above are displayed on the university website. Separate codes of conduct are prescribed for students, teachers, faculty, administrators and all administrative and executive bodies. Academic, administrative and financial information is updated on the college website. The college observes national festivals and birth/death anniversaries of great Indian personalities.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Address	K. Kotturu, Tekkali, Srikakulam-Dist
City	Tekkali
State	Andhra Pradesh
Pin	532201
Website	www.adityatekkali.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Professor	Ch Ramesh	-	9246657904	-	chappa.ramesh01@gmail.com
Director	V.V. Nageswara Rao	08945-245666	9247858288	08945-245266	adityaitamtekkali@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of	19-07-2001

'Autonomy'			
Date of grant of 'Autonomy' to the College by UGC		08-06-2013	
University to which the college is affiliated			
State	University name	Document	
Andhra Pradesh	Jawaharlal Nehru Technological University, Kakinada	View Document	
Details of UGC recognition			
Under Section	Date	View Document	
2f of UGC	09-01-2012	View Document	
12B of UGC	14-12-2012	View Document	
Details of recognition/approval by stationary/regulatory bodies like AICTE, NCTE, MCI, DCI, PCI, RCI etc (other than UGC)			
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day, Month and year (dd-mm-yyyy)	Validity in months
AICTE	View Document	10-04-2018	12
Remarks			

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence (CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	K. Kotturu, Tekkali, Srikakulam-Dist	Rural	45	43662

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Computer Science And Engineering	48	Intermediate	English	218	182
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	216	186
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	218	149
UG	BTech,Mechanical Engineering	48	Intermediate	English	145	145
UG	BTech,Information Technology	48	Intermediate	English	72	31
UG	BTech,Civil Engineering	48	Intermediate	English	156	137
PG	Mtech,Computer Science And Engineering	24	B.Tech	English	18	4
PG	Mtech,Electronics And Communication Engineering	24	B.Tech	English	18	5
PG	Mtech,Electrical And Electronics Engineering	24	B.Tech	English	18	3

PG	Mtech,Mechanical Engineering	24	B.Tech	English	18	5
PG	Mtech,Civil Engineering	24	B.Tech	English	19	14
PG	MBA,Masters In Business Administration	24	Degree	English	61	46
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	36	M.Tech	English	2	2
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	36	M.Tech	English	3	3
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	36	M.Tech	English	1	1
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	36	M.Tech	English	4	4

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	29				56				172			
Recruited	26	1	0	27	45	2	0	47	145	27	0	172
Yet to Recruit	2				9				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				172
Recruited	139	33	0	172
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				63
Recruited	56	7	0	63
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	24	1	0	14	1	0	1	0	0	41
M.Phil.	0	0	0	1	0	0	8	2	0	11
PG	2	0	0	30	1	0	135	26	0	194

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	21	0	0	21

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	8	0	0	0	8
	Female	1	0	0	0	1
	Others	0	0	0	0	0
UG	Male	2201	18	6	41	2266
	Female	979	0	0	0	979
	Others	0	0	0	0	0
PG	Male	117	2	0	2	121
	Female	70	1	0	1	72
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	27	40	26	30
	Female	12	16	13	10
	Others	0	0	0	0
ST	Male	2	6	5	6
	Female	5	1	1	5
	Others	0	0	0	0
OBC	Male	521	559	496	524
	Female	197	264	237	220
	Others	0	0	0	0
General	Male	125	60	92	57
	Female	78	43	37	34
	Others	0	0	0	0
Others	Male	25	4	0	19
	Female	0	0	5	0
	Others	0	0	0	0
Total		992	993	912	905

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	View Document
Computer Science And Engineering	View Document
Electrical And Electronics Engineering	View Document
Electronics And Communication Engineering	View Document
Information Technology	View Document
Masters In Business Administration	View Document
Mechanical Engineering	View Document

3. Extended Profile

3.1 Program

Number of programs offered year-wise for last five years

2017-18	2016-17	2015-16	2014-15	2013-14
12	13	13	13	13
File Description		Document		
Institutional Data in Prescribed Format		View Document		

3.2 Students

Number of students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
3351	3456	3527	3461	3148
File Description		Document		
Institutional Data in Prescribed Format		View Document		

Number of outgoing / final year students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
686	685	709	678	550
File Description		Document		
Institutional Data in Prescribed Format		View Document		

Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11502	12190	11871	11569	10938
File Description		Document		
Institutional Data in Prescribed Format		View Document		

Number of revaluation applications year-wise during the last 5 years

2017-18	2016-17	2015-16	2014-15	2013-14
693	620	515	663	676

3.3 Teachers**Number of courses in all programs year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
559	534	531	474	467

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of full time teachers year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
267	267	273	271	246

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of sanctioned posts year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
255	266	269	259	243

File Description	Document
Institutional Data in Prescribed Format	View Document

3.4 Institution**Number of eligible applications received for admissions to all the programs year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
924	907	997	955	989

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
459	504	504	503	498

File Description	Document
Institutional Data in Prescribed Format	View Document

Total number of classrooms and seminar halls

Response: 86

Total number of computers in the campus for academic purpose

Response: 1226

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
1387.03	1266.573	1260.655	1323.485	1277.220

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed /adopted have relevance to the local/ national / regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all the program offered by the Institution

Response:

The department and the institute are guided and monitored in the preparation of course curriculum by two bodies, namely Board of Studies and Academic Council. Typically the process undergoes the following steps.

Step1: A series of faculty meetings are conducted in correlation to the stated POs, PSOs and COs for an effective syllabus in accordance with global challenges in the fields of technical education.

Step2: The set of courses which require modifications and deletion/addition are prepared and the programme curricula adopted are compared with other leading academic institutes in India and abroad.

Step3: The Institute hosts reunion meets of Alumni every year. During such meets, the institute takes the initiative of eliciting their views and suggestions for required changes in curriculum.

Step 4: A meeting of Board of studies is convened. This body comprises the senior members of faculty of the department and five experts members. The members comprises, one JNTU Kakinada nominee, one alumni representative, two from academia and one from the industry. The needs of the industry, government and R&D laboratories are articulated and recorded time to time. During this review, the feedback and suggestions recorded from the faculty and students and a scheme of instruction along with detailed syllabi, credits and other details is prepared and submitted to the academic council for its approval.

Step5: The academic council comprising all Professors and Heads of departments as its members, discusses and evaluates the scheme, syllabi and approves the same with necessary modifications. The process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes is mentioned as follows:

1. Alumni give feedback and suggestion during Annual Meets.
2. Campus placement officer interacts with officials from Industry who visit for recruitment and obtain their feedback on the quality of the competencies of the students and the deficiencies of the curriculum being offered in relation to weakness and strengths of the programme.
3. Outgoing students give feedback at the valedictory functions of respective technical associations.
4. The information from all the above is discussed and deliberated in faculty meetings, BOS meetings and

academic council/Governing Body to incorporate required and feasible modifications to improve the quality of competencies of outgoing students.

File Description	Document
Any additional information	View Document

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Response: 100

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 14

1.1.2.2 Number of all programs offered by the institution during the last five years

Response: 14

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years	View Document
Any additional information	View Document

1.1.3 Average percentage of courses having focus on Employability/ Entrepreneurship/ Skill development during the last five years

Response: 69.16

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
391	363	367	331	322

File Description	Document
Program/ Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years Response: 9.3	
1.2.1.1 How many new courses are introduced within the last five years Response: 52	
1.2.1.2 Number of courses offered by the institution across all programs during the last five years Response: 559	
File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented Response: 100	
1.2.2.1 Number of programs in which CBCS/ Elective course system implemented. Response: 12	

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

The Institution integrates several cross cutting societal issues into the curriculum.

Following are the efforts made by AITAM in this direction.

PROFESSIONAL ETHICS AND HUMAN VALUES

This course is a comprised of class room discussions with real life situations. It also focuses on ethical concerns common to human growth and sustainability. This course is designed in response to a long-felt and urgent need to integrate value based education along with decision making skills in various professions.

The issues in professional ethics analyzed in the context of right understanding with the main focus on the development of ethical competence in the individuals. The course concludes by proposing several salient steps to undertake the journey towards holistic and value-based living.

Intellectual Rights and Patents

The Intellectual Property Rights and Patents is an advance and useful course for the students, where they can gain knowledge on intellectual property laws, trademark laws, copyrights laws, cyber laws, and e-commerce business. This course provides recent developments on cybercrime, online crime and international aspects on various litigations. After studying the course, the students would be familiar with the core concepts of intellectual property, patent laws, trademark related laws etc. They would be able to understand to protect their intellectual property from infringements. The settlement of litigations can be sorted out easily by the students, when they require.

Environment and sustainability

This course introduces an academic approach of sustainability by covering the general understanding of nature. Nature has enough natural resources in its crust to fulfill the requirements of people on the face of the earth but man has been exploiting natural resources to satisfy his greed and now most of the non-renewable natural resources are at the verge of extinction. To sustain a happy long living on the face of the earth, man has to search new renewable sources of energy to serve the energy needs of ever growing

population by reducing the dependence on non-renewable fossil fuels so this course inculcates responsibility and spreads awareness among young technocrats to protect the Earth and nature for the future generations to come.

File Description	Document
Any additional information	View Document

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 23

1.3.2.1 How many new value-added courses are added within the last 5 years

Response: 23

File Description	Document
List of value added courses	View Document
Brochure or any other document relating to value added courses	View Document
Any additional information	View Document

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Response: 23.08

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
831	812	823	736	709

File Description	Document
Any additional information	View Document

1.3.4 Percentage of students undertaking field projects / internships

Response: 20.35

1.3.4.1 Number of students undertaking field projects or internships

Response: 682

File Description	Document
List of programs and number of students undertaking field projects / internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year-wise

A. Any 4 of above

B. Any 3 of above

C. Any 2 of above

D. Any 1 of above

Response: A. Any 4 of above

File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 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

File Description	Document
Any additional information	View Document
URL for feedback report	View Document

NAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 2.74

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
79	112	113	99	64

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Demand Ratio(Average of last five years)

Response: 0.75

2.1.2.1 Number of seats available year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1177	1289	1297	1303	1299

File Description	Document
Demand Ratio (Average of Last five years)	View Document
Any additional information	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 68.4

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
327	333	357	340	330

File Description	Document
Average percentage of seats filled against seats reserved	View Document
Any additional information	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

Soon after the final phase of admissions, a general test including basics in Quantitative Aptitude, Reasoning, Physics, Mathematics and English Language is administered on students in every department to assess the learning levels among the students. Based on the assessment, every department conducts bridge course for the first year, lateral entry and late admitted students for 15 days.

Then classes start as per syllabus and academic calendar. After three months of class work, First Midterm Exams are administered on students and based on the performance of the students in Mid examination, students are classified as slow learners (who get < 40% marks) and advanced learners according to the marks obtained. Accordingly, the slow learners are counselled by faculty about the hardships faced in the subject concerned and additional learning assignments given and remedial classes are conducted regularly by the subject experts beyond working hours.

Mentoring system:

Mentoring system is introduced in the institution for the welfare of the students. 15 to 20 students are signed to a faculty mentor from the first to last semester. Mentor continuously interacts with each student and pay personal attention to uplift students according to the academic capabilities in terms of marks, attendance, perception, attitude, focus and sorts out personal problems 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.

Special attention for advanced learners

Advanced learners are encouraged and motivated to solve more problems through tutorials and lab practical. They are also encouraged to participate in In-house research activities, national and international Seminars, Conferences, Project exhibitions etc. The college has a Student activity centre focusing on leadership skills. All the advanced learners are encouraged to participate in various programmes of student activity centre and Technology Incubation Hub with innovative Ideas and projects. Soft skills training programs and career counselling programs are arranged for advanced learners. They are also encouraged for specialized Training programmes for various certification courses and prepare for competitive exams like IES, GATE, CAT, XAT etc.

The faculty offer guidance to the prospective professionals in addition to classroom teaching.

The Training and Placement cell plays an active role in making students company ready to crack on-campus jobs in various national and multinational companies. It also brings awareness among students about various career options available in the job market along with various courses of higher studies like GATE, IELTS, TOEFL etc. It also makes students prepare for various national and state level competitive exams. for advanced learners.

File Description	Document
Any additional information	View Document
link for additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 12.55

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.09

2.2.3.1 Number of differently abled students on rolls

Response: 3

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document
Any other document submitted by the Institution to a Government agency giving this information	View Document
Any additional information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Besides traditional teaching-learning methods, the institute is more interested in providing innovative teaching learning methods for enriching the experiential and participative learning experience among students. The following methodologies are being described briefly.as

Guest Lecture Method

This method invites experts in particular subject from institutes of repute like IIT, NIT, and Universities to expose students to the recent trends in the field of study and discuss the applications.

Project Based Learning

Practical experience in various subjects can be gained through Project work so it has been made mandatory for all the courses offered in the institute. The period of implementation spans from one to two semesters. The effective phases of survey, case study, implementation, testing and report writing ensure project-based learning among the students. Some subjects are augmented with learning through Mini-projects.

Experimental Learning:

The faculty members foster learning environment by engaging in rich experiential teaching through experimentation, demonstration, visual aids, periodical industrial visits, organizing exhibitions as well as presenting papers in national and international seminars/conferences.

Student Seminar:

The student seminars made mandatory in all programs offered at the institute. Usually students present seminar on contemporary topics as well as on state-of-the-art technologies.

Summer Internship Project:

Large percentage of students of UG and PG courses attend an Internship program for 2 to 4 weeks in the

industry during the summer break between pre-final and final year course. Internship made mandatory in R16 Regulations for all B.Tech programme.

Case Study Analysis and Discussion:

The case study method is a participatory, discussion based way of learning where students gain skills in critical thinking, communication, and group dynamics. Appropriate integration of case studies in chosen subject is done in all departments.

Group Discussion Method:

Departments are extensively using Group Learning Method with group size of 5 to 10 for specific subject. All Engineering Students are trained in Group Discussions, Management Games and Group Projects to promote group learning.

Problem Solving Methodology:

Tutorial classes provide an opportunity for one to one interaction between faculty and students and helps in getting better solutions to the problems in the class. Latest Technologies and Case study also focus on problem specific solutions. Teaching-learning process focuses equally on both Active and Reflective learning styles. Technology Incubation HUB in the campus encourages the students to do innovative project to solve the local problems and new product launching with the help of Business Incubation Centre in the campus.

Information and Communication Technology (ICT) Enabled Teaching:

ICT enabled teaching methods have been made available in the institute with 24x7 Wi-Fi facility and software support for arranging virtual class rooms. ICT enabled Teaching-Learning process is supported with regular practical sessions, access to Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals. Online tests, Use of LCD projectors for seminars and workshops, productive use of educational videos and Communication skills training facility make the students to acquire proficiency in listening, speaking, reading and writing.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 267		
File Description	Document	
List of teachers (using ICT for teaching)	View Document	
Any additional information	View Document	
Provide link for webpage describing the " LMS/ Academic management system"	View Document	

2.3.3 Ratio of students to mentor for academic and stress related issues		
Response: 15.81		
2.3.3.1 Number of mentors		
Response: 212		
File Description	Document	
Any additional information	View Document	

2.3.4 Preparation and adherence to Academic Calendar and Teaching plans by the institution		
Response:		
<p>The Institute prepares Academic calendar every year in the month of June. It is coordinated efforts by Examination cell, All HoDs, class in-charges, programme coordinators and Principal. The academic calendar includes curricular, co- curricular and extracurricular activities. Every faculty member prepares a 'Lesson Plan' for every theory subject and Lab before commencement of the class work and prepares teaching plan after every class. The number of hours in teaching plan is framed depending on the credits of the course to the students. According to the lesson plan and implementation details are placed in the course file of the subject. This guides the faculty members to stick to the academic schedules as much as possible. Effective monitoring of the lesson plan schedules is taken care by the Head of the Department, Dean -academics as well as academic auditors. The calendar includes academic events like Workshops, Seminars, Conferences, Guest lectures, Industrial visits etc.</p>		

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 102.49

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years**Response:** 12.58**2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
41	39	32	30	25

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years**Response:** 9.34**2.4.3.1 Total experience of full-time teachers****Response:** 2492.88

File Description	Document
Any additional information	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years**Response:** 22.28**2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
9	16	9	14	11

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document
Any additional information	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 22.43

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
59	61	59	60	51

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years

Response: 24.2

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
21	26	22	30	22

File Description	Document
List of programs and date of last semester and date of declaration of result	View Document
Any additional information	View Document

2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 3.47

2.5.2.1 Number of complaints/grievances about evaluation year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
377	356	326	457	487

File Description	Document
Any additional information	View Document

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

Response: 26.04

2.5.3.1 Number of applications for revaluation leading to change in marks year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
126	142	131	174	253

File Description	Document
Any additional information	View Document

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Response:

Positive impact of reforms on the examination procedures and processes:

Reforms	Positive Impacts
Four sets of question papers prepared for each subject in SEE by Expert faculty	<ul style="list-style-type: none"> • Confidentiality in the question paper selection • Chances of question paper leakage prevented
Preparation of detailed scheme of evaluation by internal/external subject experts	<ul style="list-style-type: none"> • Uniformity in the evaluation among the evaluators • Fair judgment for the students
Appointment of observers comprising senior faculty members	<ul style="list-style-type: none"> • Strict vigilance for smooth conduct of examination • Eliminates possibilities of use of unfair means
Inclusion of CCTV cameras	<ul style="list-style-type: none"> • Identifies the entry of un-authorized persons in examination section. • Continuous monitoring of activities of examination evaluation process.
Establishment of Spot evaluation center	<ul style="list-style-type: none"> • Ensured uniform evaluation. • Declaration of results within the stipulated time • Custody of answer scripts ensured.
Chief examiner in the evaluation	<ul style="list-style-type: none"> • Ensures the uniform evaluation among the evaluators • Fair judgment for the students
Inclusion of security features in grade cards	<ul style="list-style-type: none"> • Chances of manipulations nullified.
Inclusion of OMR booklet with barcode	<ul style="list-style-type: none"> • Data processing has become more accurate. A error • Reliable & no scope for manipulation.
Complete Automation of Examination Management System	<ul style="list-style-type: none"> • Considerable improvement in the speed, reliability, security, transparency, confidentiality and accuracy of the examination process. • Delayed declaration of results and the tedious system avoided • The system is more transparent and reliable. • Parents could access result status of wards
<p>Examination Management System and Examination section have</p> <ul style="list-style-type: none"> • Protected server with firewall security • Authorized access to the controller of examination through security key. • Only CCTV surveillance • Backup data storage <p>Continuous internal assessment on the examination management system:</p> <p>An internal examination executive committee (EEC) headed by Principal is constituted to monitor the activities continuously for effective and smooth, free and fair functioning of examination process.</p>	

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.5 Status of automation of Examination division along with approved Examination Manual A. 100% automation of entire division & implementation of Examination Management System (EMS)

B. Only student registration, Hall ticket issue & Result Processing

C. Only student registration and result processing

D. Only result processing

Response: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document
Any additional information	View Document
Annual reports of examination including the present status of automation	View Document

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 on website and communicated to teachers and students

Response:

Each program has a well-defined set of Program Outcomes and Program Specific Outcomes. Each course has a defined set of course outcomes that are linked to program outcomes and a set of performance criteria that are used to provide the quantitative measurement of how well the course outcomes are achieved. Course outcomes of each course mapped to the Program Outcomes with a level of emphasis being strongly correlated (3), moderately correlated (2) and lightly correlated (1). The course outcomes are thus directly and quantitatively assessed and are tied to the Program Outcomes and Program Specific Outcomes. Therefore, if the course outcomes are attained, that provides direct quantitative evidence that Program outcomes are attained.

Course outcomes contribute to the realization of the program outcomes. All the courses delivered as part of various programs offered by the institute are aligned with the program outcomes. The course outcomes are further mapped with the program outcomes which are aligned with the Blooms Taxonomy Levels (BTLs). Such a set of Course Outcomes (COs) and an associated set of courses help in realizing the program outcomes of various programs offered by the university. The program outcomes are identified as per the norms of the statutory bodies such as NBA, ABET, NAAC etc., to meet the global standards as well as the industry.

The course outcomes are planned and designed so as to cover the entire syllabus and the designated competencies. The course outcome indicates the abilities to be displayed or performed by the students as a result of the knowledge acquired in the said course. Based on these indicators, the assessment pattern and model designed for both internal and external examinations.

The outcome indicators describe specific understanding and capabilities that students should demonstrate consistency. While administering examinations, care is taken to ensure that learners attempt all identified outcomes. The choice given is limited to within the course outcome and not between the outcomes. The internal tests planned at the end of every competency or competencies designated to the identified course outcomes.

Mechanism of Communication

Course handouts prepared well in advance before the commencement of the course. The course handout contains, syllabus, list of identified textbooks and references, learning objectives, course outcomes, lesson plan schedule, detailed day-wise session plan, evaluation pattern etc. All the identified course instructors are apprised and trained in the content and intent of the syllabus and the expected outcomes.

The course handout is available on the website. The same is explained by the instructors in the introductory session at the commencement of the course. The expected course outcomes along with assessment and evaluation pattern are also explained to the students. A few hard copies of the course handout are available in the central library and also circulated among the students.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

In outcome based education, assessment is done through one or more than one process, carried out by the institution that identify, collect, and prepare data to evaluate the achievement of program educational objectives, program outcomes, course objectives and outcomes.

Assessment tools are categorized into direct and indirect methods to assess the program educational objectives, program outcomes and course outcomes.

Direct methods display student's knowledge and skills from their performance in the continuous assessment tests, end-semester examinations, presentations, and classroom assignments etc. these methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

Indirect methods such as surveys and interviews ask the stakeholders to reflect on student's learning. They assess opinions or thoughts about the graduate's knowledge or skills and valued by different stakeholders

Program Outcome & Program Specific Outcome assessment process

For each PO & PSO the Department Advisory Committee (DAC) defines some performance indicators (Assessment tools like Courses, Projects, Feedback Survey-Exit- Alumni-Employer, Co-curricular: Employability Skills, Internship, Guest Lectures, Add-on Courses, Project Models, Extra-curricular Activities: Paper Presentation, Ethics & IPR, Entrepreneurial Programs, Personality Development, Health, Environment, Society, Sports, Cultural) and their targets.

The faculty members keep the POs in front of them develop COs (5-7 for each course) and then break each of the unit outcome into elements of Bloom's Taxonomy and define a set of attributes for each outcome. These are used for planning lectures, assignments, tests, projects etc while developing course files.

Direct Assessment

The course coordinators collect the qualitative and quantitative data and use for outcome assessment in a continual process.

Indirect Assessment:

- **Exit Feedback:** The survey taken from the final year students at the end of every semester.
- **Alumni Survey:** The survey taken during the Alumni Meet held every year.
- **Employer Survey:** The survey also taken during the placement activities held every year.

CO Assessment Procedure:

Each question in the mid-exams, assignment and external semester-end exams is mapped to a specific CO. Thereafter, a CO-wise cutoff value is taken based on the highest mark secured for that CO and the number of students with their internal mark above the cutoff value is considered for rating the CO attainment on 3-scale. ($\geq 70\%$ then 3; $50\% - 69\%$ then 2, $< 50\%$ then 1).

Overall Attainment: The Final CO attainment calculated by combining the Internal attainment and External attainment in a ratio of 30 : 70.

Final Value (V) = 30% of Internal Level (I) + 70% of External Level (E)

Project Evaluation: The assessment of a candidate's performance is taken by 60% of presentations and 40% of day-to-day evaluation. This is converted onto a 3 points scale to evaluate the innovative and novel projects useful for the society and nation.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 92.55

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 808

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 873

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document
Any additional information	View Document
Link for annual report	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.52

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Response: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
Any additional information	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 0

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Minutes of the relevant bodies of the Institution	View Document
List of teachers receiving grant and details of grant received	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View Document
Any additional information	View Document

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Response: 0

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
List of teachers and their international fellowship details	View Document
e-copies of the award letters of the teachers.	View Document
Any additional information	View Document

3.1.4 Institution has the following facilities

1. Central Instrumentation Centre
2. Animal House/Green House / Museum
3. Central Fabrication facility
4. Media laboratory/Business Lab/Studios
5. Research / Statistical Databases

A. Any four facilities exist

B. Three of the facilities exist

C. Two of the facilities exist

D. One of the facilities exist

Response: A. Any four facilities exist

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.2 Resource Mobilization for Research

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 199.05

3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
145.08	00	22.07	21.05	10.85

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
Any additional information	View Document

3.2.2 Number of research centres recognised by University and National/ International Bodies

Response: 4

3.2.2.1 Number of research centres recognised by University and National/ International Bodies

Response: 4

File Description	Document
Names of research centres	View Document
Any additional information	View Document

3.2.3 Percentage of teachers recognised as research guides

Response: 11.11

3.2.3.1 Number of teachers recognised as research guides

Response: 19

3.2.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 171

File Description	Document
Details of teachers recognized as research guide	View Document
Any additional information	View Document

3.2.4 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.53

3.2.4.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 18

File Description	Document
Supporting document from Funding Agency	View Document
Any additional information	View Document
link to funding agency website	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Response:

Endowed with adequate infrastructure, resources, labs, students' Interest and faculty interest AITAM established Entrepreneurship Development Cell (EDC) in 2007. After organizing six Entrepreneurship Awareness Camps, AITAM signed MoU with Centre for Entrepreneurship Development (CED), Hyderabad in 2009 for organizing more activities.

AICTE sanctioned 8 lakhs for EDC activities in 2010. AITAM EDC became a nodal centre for entrepreneurship in the region hence organized 42 activities on Women Entrepreneurship, Rural Entrepreneurship, Social Entrepreneurship and Techno-Entrepreneurship ranging from 3 day workshop to 15 day Business Skill Development, Training of Trainers(ToT) and one Month programme on food processing in Association with MSMEDI, Hyderabad & Visakhapatnam and ALEAP, Hyderabad.

The Ministry of MSME listed AITAM as one of the Business Incubation Centers in 2014. Till date, 10 innovative ideas were incubated and five of them started production along with two in the pipeline.

AITAM INCUBATION CENTRE (AIC) was developed stage wise as mentioned above based on Govt. of India, Govt. of Andhra Pradesh guidelines in AITAM to support Rural Technology, Innovative products and services for the underserved area of North Coastal Andhra Pradesh(Srikakulam, Vizianagaram& Visakhapatnam).

Purpose:

The mission of the incubator is to stimulate the establishment and growth of technology-based start-up companies and other compatible businesses for job creation, and give the best for economic development to the region.

AITAM INCUBATION CENTRE usually provide following type of services

- Work space Limited period i.e. 3 Years
- Common Facilities such as computers IT Infrastructures, Communication, Conference, cafeteria etc.
- Facilitate Speedy commercialization of research outputs.
- Prototyping & Product Development
- Business planning and Training
- Assistance in Developing Small Business and Startups
- Financial Consultants and Funding
- Assistance in obtaining Statutory approvals
- Mentoring
- Marketing Assistance

Approximately **six to ten** clients at a time would be served within the incubator centre. The facility, proposed at 6,000 square feet, would include a mix of office and lab space to give wings to the innovative ideas of the students and play a role in the growth and development.

Implementation & Achievements:

AIC implemented Ideas day on every Wednesday successfully under the supervision of Chief Coordinator assisted by Coordinator finalized by EDC Committee. The list of Ideas and projects successfully launched are given below.

Number of start-ups incubated on campus during the last five years (5)			
Contact inform ation of the pro moters	Nature start up	Year of co mmencem ent	
Runway LabzPvt .Ltd	Robotics and Home Automation	2014-15	B.JogaRao, IV EEE student, Email:joga4517@gmail.com, contact:9703112306 Reg no:10a51a0219
Heartyn ote.com	Social networking	2014-15	k.Mohankrishna, IV CSE ,email: krishcdby@heartynote.com , contact :07042836146, Reg no : 10a51a0574
indosho ppy.co	Online grocery	2015-16	k.Kirankumarreddy, III CSE student,

m			email: kiranreddy@indoshoppy.com , contact :08074999926, Reg no: 13a51a0591
curehouse.in	Hospitality Management and services	2016-17	M.Prabhakar, IV CIVIL student, email: mprabhakaryash2323@gmail.com , contact : 09010428953, Reg no: 14a51a0104
costalbites.in	Online grocery for dryfruits	2017-18	A.V.S.MANISHA,IV ECE, email : info@costalbites.in , contact : +91 8424 888 55, Reg no : 14a51a04g2

File Description	Document
Any additional information	View Document
link for additional information	View Document

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Response: 10

3.3.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	2	3	2	2

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document
Any additional information	View Document

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students

during the last five years

Response: 37

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	11	9	9	4

File Description	Document
List of innovation and award details	View Document
e- copies of award letters	View Document
Any additional information	View Document

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 5

3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1	1	1	2	0

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	View Document
e- sanction order of the Institution for the start ups on campus	View Document
Contact details of the promoters for information	View Document
Any additional information	View Document

3.4 Research Publications and Awards

3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.4.3 Number of Patents published/awarded during the last five years

Response: 0

3.4.3.1 Total number of Patents published/awarded year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
List of patents and year it was awarded	View Document

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Response: 0.05

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Response: 1

3.4.4.2 Total number of teachers recognised as guides during the last 5 years

Response: 19

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document
URL to the research page on HEI web site	View Document

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.38

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
23	24	27	15	11

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.4.6 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years

Response: 0.51

3.4.6.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
16	23	56	21	19

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index**Response:** 2.59

File Description	Document
BiblioMetrics of the publications during the last five years	View Document
Any additional information	View Document

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution**Response:** 9.5

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document
Any additional information	View Document

3.5 Consultancy**3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual****Response:** Yes

File Description	Document
Soft copy of the Consultancy Policy	View Document
Minutes of the Governing Council/ Syndicate/Board of Management related to Consultancy policy	View Document
Any additional information	View Document
URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy during the last five years**Response:** 153.62

3.5.2.1 Total amount generated from consultancy year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
30.61	52.48	25.89	32.01	12.63

File Description	Document
List of consultants and revenue generated by them	View Document
Audited statements of accounts indicating the revenue generated through consultancy	View Document
Any additional information	View Document

3.5.3 Revenue generated from corporate training by the institution during the last five years

Response: 0

3.5.3.1 Total amount generated from corporate training by the institution year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
List of teacher consultants and revenue generated by them	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The NSS Unit established in our college is playing a key role in utilizing the hidden service motto in our students to serve the people around them. Primarily our students maintain good relation with the people for understanding the way of life in order to convey the necessary suggestions for leading a progressive life. Our unit tries to abolish the self-less nature in students by saying that the students should not be limited to studies but also to national service.

The primary purpose of this NSS unit is to fulfil the unity in diversity slogan by making the students work unitedly though they belong to different castes and religions. The students of this unit doubtlessly give

selfless service in their life. Surveying every home to know about their lifestyle and submit the same report to the president of the village is the impart work of our NSS volunteers.

Since from a child is in the womb of a mother and up to he/she joins in a job, the volunteers continuously give up to date suggestions and instructions to them. Since the inception in 2008 every year the NSS Unit comes to abort the problem of the villagers living around the college and suggest the solutions and remedies to them.

Our Unit invites the experts of different areas to conduct awareness programmes to make the villagers know about sanitation, drinking water facility, toilets, agriculture, paddy etc. In the certain field they are giving training also. To reduce the problems of blood scarcity in pregnant women's well-known doctors suggestions and medicines are provided free of cost.

To discover the creativity in village students' awareness camp, sports, songs and dance programmes are organized and distribute prizes to encourage them. It conducts awareness programme to eradicate the gender bias. Every year one village is adopted to completely demolish the insanity and illiteracy in the village. With the help of the revenue department solving the problems relates to pension and other revenue issues. Skill development classes also conducted for unemployed youth. Our NSS Unit plays a major role in developing energetic students to get the necessary skills in their students' life only.

In this way, our unit discovers the service motto of every student and makes them partners in the programmes to think in the direction that we are not only for us but also for others and the country. This move definitely transforms them into a great future generation, in turn; fulfil the motto of our unit.

File Description	Document
Any additional information	View Document
link for additional information	View Document

3.6.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 32

3.6.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
8	8	5	5	6

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.6.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 49

3.6.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	10	9	10	9

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Any additional information	View Document

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 36.96

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1150	1980	1100	1080	970

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Government or NGO etc	View Document
Any additional information	View Document

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Response: 0

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Response: 196

3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
49	70	35	22	20

File Description	Document
e-copies of linkage related Document	View Document
Details of linkages with institutions/industries for internship	View Document
Any additional information	View Document

3.7.3 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 37

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2017-18	2016-17	2015-16	2014-15	2013-14
9	7	8	8	5

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Response:

The following adequate facilities for teaching-learning are available:

Academic activities

AITAM is spread over 45 acres of green campus with total built-up area of 43662 sq.mts.

AITAM has all necessary infrastructure facilities as per AICTE and UGC Autonomous norms. The campus has SIX Blocks named as A to F in which all the departments are housed, TWO Drawing halls, SIX R&D Labs and FOUR Workshops. It has a Canteen, Well equipped Gym, sports & Games facilities, three Boys Hostels and Two Girls Hostels and a Clinic.

AITAM has 81 class rooms as per Norms. Each class room is fitted with LCD, Audio system, PC, CC TV and Wi-Fi connectivity. 24 of these class rooms have digital boards and 5 Seminar Halls at least one in each Block. AITAM has 42 Buses provides bus facility to all the corners of the Srikakulam District. College has a Central Library with 3652 volumes (9250 Titles) for UG, 7286 volumes for PG (2282 Titles), 109 National and International journals (IEEE, ASME, ASCE, J-Gate etc.). Digital Library is an additional advantage for the college.

Laboratories

AITAM has 67 fully equipped with latest state-of-the-art technology equipment as mentioned in the curriculum as well as departmental library along with 6 special labs for all the Departments.

Every department has got its own computing facility with latest software to meet the requirements of major project/mini projects and research activity. In addition to the regular curriculum, students are encouraged to pursue the study/project work in the emerging areas of research.

Exclusive Learning centers

Microsoft Innovation Centre

SIEMEN Training Centre

A-View Lab

Andhra Pradesh Skill Development Centre

Professional Societies

Virtual Labs training centre

ICT as a Learning Resource

The college has provided more than 1226 computers distributed to all the departments of the college for the day-to-day usage by the students and faculty. Laptops & Desktop Computers are also provided in staff rooms and departmental library. Every department is provided with LCD projectors and Internet connection with 110 Mbps bandwidth for computer aided teaching. Computers are loaded with the required software as per the curriculum requirements.

All students admitted into the institution are provided with general computer education in addition to the necessary specialized training in branch specific subjects of the chosen branch of Engineering/Technology/Management.

Faculty student ratio: Computer Student Ratio

AITAM has 246 qualified faculty including 41 Doctorates and 75 members of faculty pursuing Ph.D. AITAM has been maintaining 1:15 faculty student ratio as per norms since 2001. The equipment to student ratio and the computer to student ratio are also maintained as per the statutory norms. Online tests (EAMCET, JEE, Bank test, TET etc.) are administrated for more than 1000 students at one go.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor), gymnasium, yoga centre etc., and cultural activities

Response:

The state of the art Indoor stadium has the following separate facilities for boys and girls

INDOOR STADIUM SPECIFICATIONS

20m x 30m x 10m (High). Built to national specifications, 2 Badminton courts, Table Tennis -2 Gymnastics and galley to accommodate 200 spectators. Dressing Rooms for Male and Female athletes are available.

Indoor Sports Facilities:

- The institution has a fully competent and qualified physical director to train the students to participate in the State/University events.

- The institution has an Indoor and outdoor stadium in an area of 7.58 acres, suitable for State/University competitions.
- Students are trained well in sports and games. There is one separate sports wing to train students on different sporting aspects.
- A well-qualified, dynamic Physical Director trains the students in both indoor and outdoor games.
- The state of the art indoor stadium has the following facilities for boys and girls. A 16 station modern gymnasium available with a weightlifting set along with a separate facility for the girl students.

Badminton Courts.

- Table tennis Tables.
- Caroms, Chess, Dart etc.
- Space for cultural Activities.
- Guest rooms for visiting athletes and participants.
- Facilities for Yoga and Meditation.

OUTDOOR STADIUM SPECIFICATIONS

- Stadium spread over an area of 7 acres. Comprises 400 mts running track for all the athletic events, Cricket field with three practice pitches, football court, 4 volleyball courts, basketball court, handball court, 3 Kho-Kho courts and a kabaddi court.
- Dormitory accommodation for 150 athletes, officials and open galleries for 2000 spectators available.

Outdoor Sports Facilities

Professional grade facilities provided for the following outdoor games.

- Athletic Track
- Cricket Field
- Volley Ball courts
- Basket Ball courts
- Tennikoit courts
- Football Field
-
- Throw Ball
- Facilities for field events like Javelin Throw, Shot-put, Hammer Throw, Discus Throw and Jumps etc.

The cultural club of “Aditya Institute of Technology and Management” is one of the essential clubs consists of enthusiastic staff and student coordinators; it strives to celebrate the cultural diversity in the campus by organizing cultural activities for the students. The cultural club is an extension of extra and co-curricular activities by providing a platform for the students to showcase talent in various social and cultural events. The cultural committee helps in capturing the vibrant persona of the students by offering them a platform and opportunity to showcase their inner talent as singers, lyric writers, dancers, musicians, short film directors, photographers and actors. The committee has successfully organized various events

which are conducted in the campus like short filmmaking, Flash Mob, Samkranti and Dashara Sambhralu. The cultural club also organises an annual function “ASPIRE” a grand academic and cultural mega event every year. Cultural Committee is responsible for organizing fresher’s party for the new batch of students through music, dance & dramatics events. This is an icebreaker event to bring the best talents among juniors student.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 79.07

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 68

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
Any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 35.37

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
415	548.5	588	670	508.75

File Description	Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

AITAM Library is well equipped with reference books, textbooks, journals, periodicals and newspapers etc. It is located in a block near Administrative building of the Institute. There are two transaction counters (Issue and Returns) for the use of students and faculty.

- Physical Infrastructure :** In library we followed or adopted D.D.C. classification system and books arranged in standing order system. The Central library has two floor air- conditioned building with seating capacity of 100.
- Library Collection:** AITAM Central Library has collection of 51057 volumes with 10324 titles on various subjects along with it has over 18324 reference books covering Dictionaries, encyclopedias and yearbooks etc. It subscribes national and international print journals and 9218 e-journals in addition to 5 lakh worth of e-books.
- Library e-Resources :** The Digital Library has 30 computers and subscribed several e-resources which include electronic journals. We subscribed IEEE, ASME, ASCE, J.Gate social science and Management, DELNET, NDL , NPTEL, maintaining a separate server for NPTEL video and web courses for the benefit of the students and faculty.
- Working Hours :** Working hours of AITAM Library between 8.00 am to 9.00pm. Transaction hours of library is between 5.00 pm in working days and on Sunday and other holidays working hours of library is between 9.00 am to 5.00pm. During vacation library opens between 9.00am to 5.00pm.
- Name of the ILMS Software**

Sl No	Name of the ILMS software	Nature of automation	Year of Automation	Version
1	BEES ERP Campus Software .Hyderabad.	Fully with Barcode Technology	2004	5.0

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Response:

1. **Rare Books** : The Central Library holds about 1000 books in its rare book collection .These include subjects like year books, economy literature ,encyclopedia ,science and technology etc.
2. **Reference Books** : Central Library has 18324 reference books dictionaries ,encyclopedias handbooks, yearbooks and reference books.
3. **National Digital Library of India** : Ministry of Human Resource Development (MHRD) under its National Mission on Education through Information and Communication Technology (NMEICT) has initiated the National Digital Library of India (NDL India) pilot project to develop a framework of virtual repository of learning resources with a single-window search facility. The AITAM Central Library is an Institutional member in NDL and the resources of NDL are being accessed by the student and staff.
4. **Bibliographic Compilation** : The AITAM Central Library is an Institutional member in DELNET, NDL, N-List. The request for interlibrary loan can be placed through DELNET online system. We are maintaining a separate server for NPTEL video and web courses.

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.2.3 Does the institution have the following

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 21.51

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
17.16	22.04	30.12	25.13	13.12

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 9.54

4.2.6.1 Number of teachers and students using library per day over last one year

Response: 345

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Consecutive upgradation arrangements are incorporated into yearly spending plan. The exercises have been arranged in a manner that, the IT framework and related offices are dependably keeping pace with best in class innovation. The college keeps up push on this crucial territory to guarantee nonstop and reliable accessibility tuned into the developing needs and evolving innovations. The college places parcel of significance on e-learning and upgradation of transfer speed, availability and additionally different enhancements.

Amount spent for procurement, upgradation, deployment and maintenance of the computers and the accessories in the institution during last five years:

Academic Year	2016-17	2015-16	2014-15	2013-14	
Provision in the Annual Budget	9000000-00	11000000-00	10000000-00	4000000-00	
Amount Spent	7818890-00	10759769-00	9858233-00	3654494-00	

Extensive use of ICT resource including development and use of computer-aided teaching/ learning materials by the staff and students. All the college repositories, undertaking reports, research papers, giving IEEE login. In addition, R&D labs having the product devices required for instructing, learning and research object are likewise can be accessible on the LAN.

Details of computerized hardware and software available in the college as ICT resources:

- Hardware : There are 8 centralized servers
- All computers are in LAN 10/100/1000 Mbps Internet connectivity from leased line from CITY ONLINE, Hyderabad. In Library 30 node are marked for exclusive for Digital Library & Internet Usage.

LICENSED SOFTWARES:

- WINDOWS-8,10
- 2012 SERVER
- TINA PRO VHDL
- ARCADE PSpice 16.6
- Xilinx 12.2
- MAT Lab R14A(ECE)

- SPSS
- LAB VIEW
- MATLAB
- Industrial Automation
- Pispice
- ORACLE 12
- TURBO C2
- AUTO CAD
- Seamens
- Automation Studio
- Modorob
- Solid Material
- MTAB CNC
- CATIA
- Staad Pro
- Arc GIS
- SYMANTEC ANTIVIRUS PACK
- OPEN SOURCE S/W FEDORA, MY SQL, TOMCAT SERVER, JAVA, JDK7, ETC.

TOTAL SERVERS: 8

TOTAL NODES: 1226

- All Labs and Central Computing facilities are connected to LAN.
- Website: The site is redesigned at whatever point new data is to be included with respect to national symposium, classes, workshops, delicate notice, enrolments and as and when required.
- Systems are bought with 3 years or 5 years guarantee and updated the same once the guarantee period is terminated if required.
- E- Learning Courses: College caters to the needs of the faculty and the students by providing the access to e-learning content from NPTEL etc.
- Wi-Fi for the entire campus with necessary firewalls.

Updation of Wi-Fi Facilities:

A.Y.	Bandwidth of leased line connection	ISP	
2017-18	110 Mbps Leased Line	CITY Online	
		Excel Media	
2016-17	80 Mbps Leased Line	CITY Online	
		Excel Media	
2015-16	40 Mbps Leased Line	Bharathi Airtel	
		CITY Online	
		BSNL NME	
2014-15	30 Mbps Leased Line	Bharathi Airtel	
		BSNL NME	
2013-14	30 Mbps Leased Line	Reliance	
		BSNL NME	

File Description	Document
Any additional information	View Document
link for additional information	View Document

4.3.2 Student - Computer ratio**Response:** 2.73

File Description	Document
Any additional information	View Document

**4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
?50 MBPS****35 MBPS - 50 MBPS****20 MBPS - 35 MBPS****5 MBPS - 20 MBPS****Response:** ?50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)**Response:** No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years****Response:** 26.17

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities

excluding salary component year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
377.59	353.73	343.65	379.43	252.61

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document
Any additional information	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

AITAM has all necessary infrastructure facilities as per AICTE and UGC Autonomous Norms. The campus has SIX Blocks named as A to F in which all the departments are housed, TWO Drawing halls, TWO R&D Labs and FOUR Workshops. It has a Canteen, Well equipped Gym, Cricket ground, Volleyball court, Handball Court, Foot Ball court and Open area for other Sports & Games, Car parking & Bike Parking facility, 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-laboratory, library, sports facilities, computers, classrooms etc., are being monitored by Dean (Administration & planning) assisted by Estate Manager and Maintenance Staff. Schedules are prepared for breakdown 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 complain in written duly signed by concerned HoD including Library to Dean (Administration & planning).
- 2.Dean (Administration & planning) immediately forward issue to the Estate Manager and asked him to attend and visit the place along with his maintenance staff, rectify if it is a minor.
- 3.If it is a major repair /problem prepare an estimated cost and submit to the Director duly signed by Estate Manager with a copy to Dean (Administration & planning).
- 4.As per the decision by the Director problem will be solved within a week.
- 5.Finally feedback on satisfaction of the work by maintenance staff along with the date & time of

completion to be filed and updated from time to time.

6. There is a Committee meets once in three months and discuss breakdown maintenance and preventive maintenance issues and suggest accordingly. Sometimes surprise visit by the committee also made 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 in-charge of the centre. An exclusive department with 06 hardware engineers is functioning in the college to cater to the needs of day-to-day computer maintenance. However, minor software and hardware problems are being handled by the concerned lab technicians. The central library has its dedicated human resource and the Departmental libraries are taken care of by office assistant and a faculty In-charge of the department concerned. Yearly stock (Books) verification being taken up by library committee members during summer break and Add/minus books yearly as per requirement based on the students' feedback and HoD recommendations. All the departments take care of timely maintenance of the laboratory equipment. Most of the maintenance work is completed during summer break and a close monitoring of maintenance activities is a prime responsibility of Heads of the Departments.

File Description	Document
Any additional information	View Document
link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 61.6

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2239	2158	2180	1976	1884

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
Any additional information	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 12.87

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
445	313	224	642	539

File Description	Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

- 1.Guidance for competitive examinations
- 2.Career Counselling
- 3.Soft skill development
- 4.Remedial coaching
- 5.Language lab
- 6.Bridge courses
- 7.Yoga and Meditation
- 8.Personal Counselling

7 or more of the above

Any 6 of the above

Any 5 of the above

Any 4 of the above

Response: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 34.48

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
1244	1232	1186	1121	1058

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years**Response:** 20.24**5.1.5.1 Number of students attending VET year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
699	819	756	622	543

File Description	Document
Details of of students benefited by Vocational Education and Training (VET)	View Document
Any additional information	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**Response:** Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Any additional information	View Document

5.2 Student Progression**5.2.1 Average percentage of placement of outgoing students during the last five years****Response:** 53.81**5.2.1.1 Number of outgoing students placed year-wise during the last five years**

2017-18	2016-17	2015-16	2014-15	2013-14
336	418	395	364	273

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)

Response: 1.6

5.2.2.1 Number of outgoing students progressing to higher education

Response: 11

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 48.82

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
38	26	24	23	26

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOEFL/ Civil Services/State government examinations) year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
65	62	54	51	48

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Any additional information	View Document

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) during the last five years

Response: 31

5.3.1.1 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-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
16	7	2	5	1

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

STUDENT COUNCIL

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, VIRTUSA, NSS, various State-level or National-level festivals and all the other events organized in and around the campus.

Apart from the Student Council, the AITAM has following committees with adequate student representation.

1. Class Representative for each section in each Department
2. Professional Society
3. Anti- Ragging Committee
4. Disciplinary Committee
5. Library Committee
6. Alumni Association
7. Extra Curricular activities Committee
8. Hostel Committee
9. Women Development Committee
10. Transport Committee
11. Board Of Studies

ANTI RAGGING COMMITTEE & DISCIPLINARY COMMITTEE:

All senior students are playing vital role in making AITAM as ragging free campus. They welcome the junior students and help in allotting the rooms, explain the environment, campus facilities, involve in food sub- committee, Library books, etc. They themselves monitor the activities of the students at night.

LIBRARY COMMITTEE

The library committee members meet once every quarter to discuss availability of books, periodicals, journals and procurement of new titles. Students representing all branches are made members. Opinion of the students on matters related to adequacy and availability of books, e-resources, new titles and other facilities are considered.

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, sanitation and to initiate remedial actions. The various subcommittees in each of these hostels are Food Committee, Maintenance Committee, Discipline Committee, etc.

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.

BOARD OF STUDIES

Committee members including alumni nominees meet once every semester. The Alumni nominee play 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.

Extra Curricular Activities Committee, (Sports & Games, NSS, Hobby Clubs, cultural)

Members of the committee, including student representatives, meet once in quarter and take up agenda items like existing facilities, forthcoming tournaments, scheduling of practice timings to various departments, coaching facilities, etc.

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.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 8.8

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	8	5	13	07

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:**AITAM ALUMNI ASSOCIATION (AAA)**

AITAM Alumni Association (AAA) formed on 06th February, 2008 and registered on 14-08-2008. Student who has successfully completed a Degree in AITAM, Tekkali is entitled to become a member of AAA. Students can become the members before relieving from the college by registering in our alumni web portal <https://alumni.adityatekkali.edu.in/>. Alumni in all four corners of the world have the opportunity to connect with people on a global scale, be it socially or professionally as well as a way of keeping in touch with the college and each other. We conducted 10 alumni meets successfully so far in various places and heading to conduct 11th alumni meet in Visakhapatnam on 17-12-2017. AAA provides an opportunity to the students to interact with alumni from the college. ALUMNI have been giving valuable suggestions for the development of institution. Alumni major contribution is there in each and every success of AITAM in achieving prestigious milestones like Permanently Affiliated to JNTUK, Recognized by UGC & DST, Accredited by NBA, Received Autonomous Status from UGC, well established research center, selected under TEQIP program under which several programs were organized for the benefit students and faculty.

AAA aim is to create a strong, world-wide, fully interactive community of alumni. The role of AITAM alumni described below.

- Placement assistance
- Assist in framing syllabus
- Assist in establishing new labs
- Promote training on latest technologies
- Boost employment by giving necessary guide lines
- Encourage donations
- By posting information related to internships
- Bringing alumni together

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 15 Lakhs

10Lakhs - 15 Lakhs

5 Lakhs - 10 Lakhs

2 Lakhs - 5 Lakhs

Response: 2 Lakhs - 5 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 10

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	2	2	2	2

File Description	Document
Report of the event	View Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

VISION: To evolve into a premier engineering institute in the country by continuously enhancing the range of our competencies, expanding the gamut of our activities and extending the frontiers of our operations beyond the state and the country.

MISSION: Synergizing knowledge, technology and human resource, we impart the best quality education in Technology and Management. In the process, we make education more objective so that the efficiency for employability increases on a continued basis.

AITAM has its own Board of Governors (BoG) as per UGC guidelines headed by Dr.D.Nageswara Rao, former Professor of Andhra University and Former Vice Chancellor, Centurion University as Chairman of BoG. All members of the BoG participate actively with extensive experience, commitment and leadership skills contributing to capacity building for long term benefit and growth & development of the institution since beginning. BoG members are equally divided the work and happy to share their views freely and directs the committees to follow. BoG meets at least **four times** in a year. BoG empowered Director, AITAM to take decisions & constituted various committees as and when required on its behalf. The following committees were formed by the Director with the approval of BoG for taking decisions on its behalf.

1. Academic Council
2. Board of Studies for All Departments
3. Institutional Development Committee
4. Finance Committee
5. Anti-Ragging Committee & Flying Squad
6. Sports, Games & Cultural Committee
7. SC/ST Development Committee
8. Women Development Committee
9. Research & Development Committee
10. Examinations Committee
11. Training and Placement Committee

12. Library Committee

These committees consists of **representatives of Faculty, Parents, Alumni, Industry and** functionaries of University,UGC,AICTE and State Government including students in some committees, where their presence is required. The 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.

PERSPECTIVE PLAN:

The aims and objectives are aligned to the plan segments of the governing body to translate the vision and mission into attainable goals of the institution with ten year projections. The individual plan segments like, Academics, Research, Outreach, Global competency and Ethics are included in the perspective plan which is used as reference in conducting various activities at the micro level.

Every component of the academic system is designed to reflect the growth rates expected. Planning includes both resource allocation and financial estimates so that the plan segments provide targets and clarity in precise and intelligible decision – making to both functional and administrative authorities of the College. Best cost-effective strategies are worked out for implementation of each plan segment keeping it in tune with overall vision and mission of the institution. Emerging trends, competitiveness, manpower availability, Future national and international trends are some of the extraneous factors that influence and iron out the mega planning processes at the College.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

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.

All the departments of the college function under the direct supervision of Principal assisted by Dean (Admin & Planning), Dean (Academics) and Dean (R&D). Day-to-day academic activities of the departments are being taken care by the HoDs.

CASE STUDY– ASPIRE2K15 (A National level Technical Symposium)

ASPIRE 2K15 was conducted on 26th & 27th February 2015 hence presented as a Case Study of **practices decentralization and participative management.**

A Circular dated 02-12-2014 was circulated for 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 2K15 in detail with an agenda.

As per agenda dates were finalized on 26th & 27th February 2015. Majority of the members participated and nominated Dr. D.Vijaykumar, HoD, EEE as Convener of the ASPIRE 2K15 and Prof. G.Nageswara Rao, Dept. of IT, Mr. V.Ashok Kumar, Associate Professor, Dept of ECE and Mr. P.Sai Vijay, Asst. Professor, Dept. of CSE as Co- Conveners.

BoG empowered Director, AITAM to take decisions & constituted various committees as and when required on its behalf. An Advisory Committee was formed including Management members, Director, Principal, Deans, All HoDs, Convener and Co-Conveners as organizers.

Director and Principal empowered Convener to take decisions & constitute various committees as and when required on behalf. The following committees were formed by the Convener and Co- Conveners with the approval of Director for taking decisions on its behalf.

- 1.Designing committee
- 2.Campaigning & advertising committee
- 3.Guest receiving committee
- 4.Hospitality & food committee
- 5.Sponsors committee
- 6.Disciplinary committee
- 7.Certificate and helpdesk committee
- 8.Anchoring committee
- 9.Transport committee
- 10.A student organizer from each department.

After discussions, the committee members finalized the list of committees including HoDs, faculty and students (both Boys & Girls) from I, II, III and Final year students of all branches of engineering with approval of the Convener of ASPIRE 2K15 on 10-12-2014. Duties and responsibilities of each and every committee and its members are clearly mentioned and discussed and convener asked to implement with integrity and commitment. Convener prepared an estimated budget of Rs.14 lakhs for the event.

Papers presentations from each branch of engineering were invited from all over the country through mail. The Committee checked the mails and prioritized the paper presentations. Programme was inaugurated by Mr. N.K. Mishra on 26th February 2015 and concluded by Dr. D.N. Reddy. Prizes were distributed to winners and runner ups in valedictory session on 27th February 2015. The Programme ended with National Anthem.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Preparation of Strategic plan of the institution

SWOT (Strengths, Weaknesses, Opportunities and Threats) is a tool for auditing an institution and its environment. It is a first stage of planning which helps to focus on key issues. Therefore AITAM is making a strategic planning to gain a better perception of ongoing quest for quality education and fulfilling its Mission and realizing its Vision.

In order to achieve its Mission, retaining the culture and aspirations, The AITAM has established the following GOALS:

GOAL1: Be among the best technical institutions in the country in Technology and Management

GOAL2: Developing Excellence in Research and Consultancy.

GOAL3: Developing Excellence in Innovation, and Entrepreneurship activities

GOAL4: Recruit, Reward and retain a community of exceptional faculty and staff.

GOAL5: To focus on overall development of the students through high quality academic Programs, training & placement, co-curricular and extra-curricular activities and Community outreach programs.

GOAL6: To establish and maintain facilities and infrastructure; governance and Administration that support the achievement of the college's Vision and Mission

GOAL 1:

Be among the Best Technical institutions in the country in Technology and Management.

AITAM will be equipped to develop and produce the next generation of Engineers, Leaders and Innovators who will attain high technical competence with leadership skills. The College will continue to strive in creating lifelong learners through the active engagement and support of its stakeholders and alumni.

Objective 1.1: Improvement in Teaching, Training and Learning Facilities

Strategies:

- Modernize and Strengthen the Laboratories as per R18 Regulations
- Continuous updating of books, Learning Resources and Course specific software.
- Keep the Library and Digital Library Facility open to maximum time possible
- Encourage innovative teaching, learning and assessment methods
- Enhance faculty and student interaction with institutions/companies of repute through training programmes, workshops and collaborative projects
- Increase internships and student exchange programmes at institutions and companies of repute.
- More focus on finishing school programmes

Objective 1.2: Institutional Brand building

Strategies:

- Improve overall student and faculty satisfaction for the institution
- Evolve mechanisms to attract high quality students from local, national and international levels
- Ensure quality assurance through annual quality assessment
- Attain higher levels of achievements in co-curricular and extra-curricular activities
- Inspire social commitment of Faculty, staff and students through outreach activities
- Enhance student diversity
- Enhance the role of stakeholders in decision making
- Establish structured feedback system from stakeholders for curriculum enrichment activities
- Monitor the effective implementation of the strategic plan

Objective 1.3: Promote Alumni networking with students

Strategies:

- Create a world-wide AITAM Alumni network
- Attract alumni support in placements and internships for students
- Enhance the involvement of Alumni as Resource persons for technical workshops and invite talks, ASPIRE (National level techno Symposium)
- Strengthen Alumni involvement as Innovator or Entrepreneur in the campus start-up ecosystem, Technology Incubation Hub, Business Incubation Center and Entrepreneurship Development Cell.

File Description	Document
Any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Functions of the Governing Body:

1. Take all the policy decisions with regard to smooth, cost effective and timely implementation for the institutional development.
2. Form, supervise and guide various committees as may be necessary and deemed fit for the proper development of the college.
3. Institute Scholarships, Fellowships, studentships, medals, prizes and certificates on the recommendations of the academic council.
4. All recruitment of teaching faculty/ principal shall be made by Governing Body in accordance with the policies laid down by UGC/AICTE ,State government from time to time.
5. To approve Annual budget of the college and expenditure from time to time.
6. Approve new programmes of study related to degrees and/or diplomas.

Functions of the Academic Council:

1. Scrutinize and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it will have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
2. Make regulations regarding the admission of students to different programmes of study in the college keeping in view the policy of the government.
3. Recommend to Governing Body proposals for institution of new programmes of study.
4. Recommend to Governing Body Institute Scholarships, Fellowships, studentships, medals, prizes and certificates for the award.
5. Advise the Governing Body on suggestions pertaining to academic affairs made by it.
6. Perform such other functions as may be assigned by the Governing Body.

Functions of Board of Studies:

1. Prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders and national requirement for consideration and approval of the academic council;
2. Suggest methodologies for innovative teaching and evaluation techniques

3. Suggest panel of names to the Academic Council for appointment of examiners;
4. Coordinate research, teaching, extension and other academic activities in the department/college.

Functions of the Finance Committee:

The Finance Committee will be an advisory body to the Governing Body, to consider:

1. Budget estimates relating to the grant received/receivable from various funding agencies, and income from fees, etc. collected for the activities to undertake the scheme of autonomy.

(b) Audited accounts for the above.

- The functions of the remaining bodies are available in college web site.
- The Service Rules, Procedures, Recruitment and policies are available in college web site.
- The Grievance Redressal mechanism followed by the college is available in college web site .

The entire administration of the college is thus decentralized.

File Description	Document
Any additional information	View Document
Link to Organogram of the Institution webpage	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Planning and Development
2. Administration
3. Finance and Accounts
4. Student Admission and Support
5. Examination

All 5 of the above

Any 4 of the above

Any 3 of the above

Any 2 of the above

Response: All 5 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document
Any additional information	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Bodies/cells/committees Agenda & Resolutions Evidence of successful implementation

I.Governing Body (BoG) meeting held on 05-12-2013.

Governing Body Recommendations

- To organize more In-House training programmes for faculty and staff, also deputed faculty members for training at IITs, IIMs, NITTTR,ISB,ASCI,ESCI etc. by end of the project, TEQIP II (2017)
- To conduct special remedial classes and soft skills programs for uplifting the weak students in all groups and especially disadvantaged groups.

Implementation:

a) Total In –House Programmes organized: **50** Total benefitted: **250 faculty and 80 staff (Non-Teaching)**

Total Faculty deputed to IITs: **56**, IIMs: **39**, NITTTRs: **05**, ISB: **02**

ASCI: **01 and** deputed to ESCI: **08**

b) Remedial classes: once in a semester after the results.

- 1.Soft skills: **8** programmesTotal benefitted: **1387**
- 2.Personality development: 10 programmesTotal benefitted: **4833**
- 3.Communication skills: **03 programmes**Total benefitted: **622**

II. Academic Council Meeting held on 29-11-2015:

1. Academic council suggested to revise theAcademic Regulations 2016
- 2.Introduce innovative practices in Teaching & Learning

Implementation:

- * Discussed and ratified the Academic Regulations 2016 (AR16) and got approved by BoG
- * Introduced methodologies for innovative practices in Teaching & Learning like Choice Based system, MOOCS, NPTEL Courses,

III Board of Studies (BoS) meeting on 30-06-2018:

- * All the BoS members of six B.Tech Programmes discussed and finalized the syllabus as per recent AICTE norms and the total number of credits reduced to 160.
 - Recommended to change the External & Internal marks ratio from 70:30 to 60:40
 - Internal marks should be 25 marks for Mid exams and 15 marks for continuous assessment
 - Recommended to ratify the above by Academic Council & BoG

III Academic Council Meeting held on 15-07-2018

- * Discussed and ratified the Academic Regulations 2018 (AR18) as per recent AICTE norms modified and reduced the total number of credits to 160 by BoS in the meeting held on 30-06-2018
 - Recommended to change the External & Internal marks ratio from 70:30 to 60:40
 - Internal marks should be 25 marks for Mid exams and 15 marks for continuous
 - Recommended to introduce Internship project for Six months and implement from 2018-19 admitted batch.

Implementation:

- * Academic council recommendations are being implemented from 2018-19 admitted batch after getting approval from **BoG meeting held on 21-07-2018.**

IV BoG meeting held on 21-07-2018:

- Approved Academic Regulations 2018 (AR18) finalised by Board of Studies and ratified by Academic Council and recommended to implement from 2018-19 admitted batch.
- Recommended to improve the first year results from 58% to 75%
- Recommended to prepare Strategic Plan 2018-23.

Implementation:

- * BoG Recommendations are being implemented from 2018-19 admitted batch after Approval from **BoG meeting held on 21-07-2018.**

- * Action points (remedial classes, focus on hostel students, effective counseling) prepared

to improve the first year results from 58% to 75% implement through Internal Quality Assurance Cell (IQAC)

- Prepared **Strategic Plan 2018-23** Document and Started implementing.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Faculty members are considered the core constituency of AITAM hence accorded a central role in the endeavors of academic excellence. Since autonomy, the BoG 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.

- **Faculty are encouraged to earn their Ph.D.s:**

Now 41 members of faculty have PhD degrees relative to just 12 in 2013 prior to autonomy and 58 are pursuing PhDs supported by TEQIP-II Funding. Study leaves and less work load is given to faculty for early completion of research and thesis work.

- **Incentives to publications:**

Faculty is given Rs 5000-10000 as incentive for journal publications in SCOPUS, SCI, IEEE, SPRINGER etc.

TA & DA to participate in national and international seminars, conferences, workshops and Training programmes:

100% TA & DA is being paid to all members of faculty who participate in national seminars, conferences, workshops and training programmes and also an amount of Rs 20000 is being paid for International programmes.

- Additional income generation opportunities through Consultancy (80% to faculty 20% institute share) and training programmes are encouraged.
- Each faculty member receives book grant of Rs 1000 every academic year.
- Maternity Leave of three months (paid leave) for women faculty is being implemented for all women faculty.
- Following welfare schemes are also available for teaching and nonteaching staff:

- EPF facility
 - Insurance cover for health.
 - Free transport for professors & concessional transport for all staff.
 - Loan Facility to staff
 - Free medical consultancy and treatment facility for common ailments through clinic in the campus.
 - Salary advances to the needy staff
 - Loans for purchase of laptops
 - Accident insurance policy for drivers
- faculty members are felicitated for journal publications, paper presentations, invited talks, excellent academic performance on the occasion of **Teachers' Day** celebrated on 5th September every year.
 - Sports & Games are conducted to both Teaching and Non teaching faculty and prizes be distributed on the occasion of **Engineers Day** being celebrated on 15th September every year.
 - Each faculty member is provided with an access to one computer either work station, or a laptop with an internet connection.
 - Each department is given a research grant of Rs 2 lakhs for innovative research by involving merit students.
 - Introduced "Best teacher award" for each department from this academic year 2018-19.
 - 5% of the Major Research Project grant or Minor Research Project Grant is being paid as incentive to encourage research among faculty and students.
 - Training programmes on YOGA, LEADERSHIP are organized for both Teaching and Non Teaching staff.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Response: 28.68

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
71	74	56	101	77

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 13.8

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
11	14	09	23	12

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 98.43

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
246	267	273	271	246

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers).	View Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

We have developed a strategy to retain the employees for a relatively long period by clearly defining their roles and responsibilities. AITAM evaluate the performance by using "Annual Self Assessment Report (SAR)". Annual Self Assessment Report designed in line with PBAS of UGC 2016. This SAR is measured every year in three categories, under the heads of teaching-learning evaluation related activities, Co & Extracurricular and extension related activities, R&D, Consultancy and other academic related activities.

Under teaching-learning evaluation related activities category, the faculty is required to present the data related to parameters such as theory courses handled; student project works undertaken; student training; learning materials developed; online certification courses completed etc.

Under Co & Extra Curricular and Extension activities category, the faculty is required to present the data related to parameters such as workshops/conferences/seminars organized/attended; Professional roles within the college and outside the college; student counseling and mentoring; Professional body memberships; Chairing sessions or delivering talks etc.

Under R&D, Consultancy and other academic activities category, the faculty is required to present the data related to parameters such as journal or conference publications; research guidance; book publications; consultancy/patents; funded projects etc.

The SAR reports of faculty members (either in the month of January or July, depending on their annual increment) reviewed by a panel of members appointed by College authority.

Based on the SAR, Faculty members are counseled and incentives are given to the faculty depending upon the performance and for publishing articles in journals of high repute, funded R&D projects etc.

The performance of the non-teaching staff is currently appraised every year by the immediate supervisor. In non-teaching staff self-assessment report, they require to present the data related to nature of assignment, works assigned, works completed, awards & reorganizations obtained etc. According to data presented, if necessary the staff members are counseled and followed by training and incentives given according to the performance.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

In every financial year the college conducts internal audit as well as external audit by the statutory Auditors. M/s V M Rao & Co., Srikakulam has been appointed as external auditor and has been rendering services for the past 10 years. After completion of the monthly accounts the same accounts would be audited by the internal auditors appointed by the management. While verifying entries, if any mistakes/ short comings identified/noticed then it is rectified in the same month by the concerned departments. After rectifications if any, the report would be submitted by internal auditors to the governing body for approval. The external statutory auditors visit the college office twice in a year for vouching audit and submitting the final audit report. After completion, the final statutory audit report shall be submitted to the governing body for approval in the month of June/July every year. After approval, the financial accounts, documents could be used for all statutory purposes.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 3

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
0.6	0.6	0.6	0.6	0.6

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Any additional information	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

AITAM strategies for mobilizing funds are as follows:

1. Increasing Tuition fee with the approval of Fee Regulation Committee, Govt. of Andhra Pradesh.
2. Increasing external funding through AICTE, DST, and UGC sponsored Research projects & other Grants.
3. Extend Training & Consultancy activities by all the Departments.
4. Donations and Contributions from Individuals, Alumni, NGOs etc.
5. Industry Sponsored Research Programmes & Projects.
6. Bank loans

Strategic initiatives taken for resource- mobilization:

1. **Expanding consultancy activities:** The collage consultancy activity has been extended from Civil Engineering department to others.
2. **Leveraging industry- institute synergy:** Industry Institute Interaction Cell is created to leverage industry-institute synergy. The institute through this cell interacts with industries, research organizations and government agencies for taking up consultancy and sponsored research projects.
3. **Building Relationships:** Building relationships through social networking. Relationships with professional and private institutions are entrepreneurial in nature that helps in generating ideas to attract resources while relationship with public institutions helps in enhancing processes and consultations.
4. **Alumni Relations:** The Alumni Association of the college is actively contributing to the developmental activities in many forms like innovation and start-ups.
5. **Government Grants:** AITAM is also focusing on government research, consultancy, training and development activities. Presently, the focus is on UGC development grants AICTE, DST funding etc.

Optimum Utilization of Financial Resources

AITAM is known for optimum utilization of its financial resources with inbuilt mechanism of checks and balances which monitor the entire financial management system. AITAM has developed a specific procedure which reflects in getting the indebts from departments which in turn checked by Financial officer followed by the Director approval.

Optimal utilization of funds is ensured through the following:

1. Adequate funds are allocated for effective teaching-learning practices that include the conduct of FDPs, orientation programs, workshops, inter-disciplinary activities, training programs that ensure quality education.
2. Adequate funds are allocated for Faculty & Staff development.
3. Exclusive funds are allocated for R& D activities and Training & Placement activities to increase placement rate every year.
4. The budget is utilized to meet day-to-day operational and administrative expenses and maintenance of the fixed assets.
5. The grants received from the external funding agencies are effectively utilized in implementation of projects by procuring the suitable equipment. This equipment is further utilized in the established advanced laboratories of the institute. This equipment is made available to research interest of the faculty and students.
6. Enhancement of library facilities leads to novel learning practices and accordingly requisite funds are allocated every year.
7. Adequate funds are utilized for development and maintenance of the infrastructure in the institute.
8. Some funds are allocated for social service activities as a part of social responsibility.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The IQAC of the College was established in 2011.

- AQAR of the college appropriately captures the quality policy of the college, strategies adopted, tools and methods followed to implement and institutionalize the quality policies.
- The IQAC of the College is involved in drawing the quality policies for Teaching-Learning, Research, Curriculum planning and implementation, Student activities, innovation and all the extracurricular and co-curricular activities being undertaken in the institute.

Quality parameters developed for various academic / administrative activities in the institute.

- Assessing the quality parameters and providing required suggestions for the improvement.
- Arranging training on pedagogy every semester for all newly joined faculty.
- Conducting seminars / workshops, FDPs on emerging technologies for the faculty.

- Conducting Guest Lectures from Industry/Experts in the desired fields.
- Arranging regular training / certification programmes for students and supporting staff.
- Encouraging R&D and Consultancy activities.
- Action plan for enhancing quality of student projects (outcome based approach)
- Action plan for improving the FPI (Faculty Performance Index)

Teaching and Learning:

IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- Feedback from the stakeholders (students, alumni, industry experts, research organizations and parents).
- Monitoring of course files, lecture schedules, course plans by random sampling
- Verification of cycle test analysis, question papers
- Arrangement of special classes for weak students during evening hours.
- Identifying the new processes and recommending the same for improving the quality.

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

Autonomy to the principal investigator

The Principal investigators who were sanctioned projects from various funding agencies like DST, UGC, and AICTE, MHRD etc., given full autonomy in executing the project as per the guidelines of the funding organizations.

Timely availability or release of resources

Principal maintains and provides all facilities like timely release of project funds for completion of the funded project.

Adequate infrastructure and human resources

The departments have established research labs with necessary software and computing facilities to carryout research projects. Central library facilities are enhanced to update with online national and International journals of repute etc.

Time-off, reduced teaching load, special leave etc. to teachers

Faculty members working on major research projects are given the facility of reduced teaching work-load in addition to sanctioning academic leave for attending the workshops/seminars relevant to the research projects and associated works.

Budget allocation for Research & Development

The college makes budget provisions to procure necessary equipment for experimental projects, travel support for faculty attending conferences, internal funding, subscribing research journals, reference books and text books to strengthen the library.

Support in terms of technology and information needs

The institute/department encourages the students and faculty to utilize the advanced research laboratories, library, computer centre and software tools for carrying out the academic/research projects.

Facilitate timely auditing and submission of utilization certificate to the funding authorities

The college invites scientists, eminent professors and well-known researchers to share their experiences with faculty which in turn enhance the research culture in the campus.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms**Response:****IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:**

- The IQAC organizes regular academic audits to ensure effective implementation of teaching learning process and maintenance of course files.
- Verification of internal test analysis and question papers.
- Arrangement of special classes for weak students during evening hours.
- Identifying the new processes/delivery method and recommending the same for improving the quality.
- Analyzing the deviations from the benchmarks and reporting the same.
- Feedback from the stakeholders (students, alumni, industry experts, research organizations and parents).
- Encouraging faculty for online certification Courses (NPTEL, MOOCS, etc.)
- Faculty development programs and Skill Development Training Programs are organized every year.

Reviews and Implementations of Teaching-Learning Reforms through IQAC:

1. Guest lectures on advanced topics by the eminent academicians and industry experts.
2. Practice of emerging technologies through mini projects and term papers.
3. Faculty development through workshops, orientation programs, seminars and conferences.

IQAC in its reviews came across the following two instances, where they actively interact with the academic functionaries in implementing teaching, learning reforms.

Example 1: Faculty Conclave

Once in every semester, the faculty comes together for the faculty conclave. In this meeting, they share the experience to promote mutual growth. The faculty discusses the course planning, delivery and assessment. Each subject teacher writes a course outcome in the beginning of the year and schedules a 50 to 60 hours plan to deliver it. He/she also makes a day wise schedule to plan which topic is taught on which exact day, what methodology will be used, pedagogies and what is expected out of that lesson. They also collect necessary feedback from the students, measure the extent of the implementation and assess the impact of the activities. All teachers come up with extracts of what went well and wrong with the teaching methods. Industry experts are invited to assess and give the valuable feedback.

Example 2: Course files

Course files of every course are prepared and used to bring objectivity and strategize the course of teaching and learning for every topic. The teachers go through the syllabus and ensure that all the registered students fulfill the pre-requisites of the course. Upon cross-checking pre-requisites, the teachers start the event schedule that they plan in the beginning of the year. A proper plan for each topic and its delivery is made by the teacher. At the end of every topic, the teacher conducts a pre-planned revision. Mapping of the course outcome is done along with the program outcome. Course files have proven to be great guiding tools that provide the teacher direction and a sense of clarity while teaching. It is a document containing the basic details of all units in the prescribed syllabus of a course, teaching plan, teaching pedagogies and handouts, revision, questions papers, tutorial materials, course beyond syllabus, attainment sheets, mid question banks, internal and external model question papers.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 2.8

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
2	3	2	6	1

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
- 2.Academic Administrative Audit (AAA) and initiation of follow up action
- 3.Participation in NIRF
- 4.ISO Certification
- 5.NBA or any other quality audit

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Any additional information	View Document
Annual reports of Institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

Aditya Institute of Technology And Management (AITAM) is approved by AICTE, New Delhi and permanently affiliated to JNTU, Kakinada. Four B.Tech. programmes are accredited by NBA in 3rd cycle and got autonomy in 2013. The institution is recognized by UGC under 2(f) & 12(B), permanently

affiliated to **JNTU, Kakinada**. It is one among the few Technical Institutions in India participated in **TEQIP Phase –II**. JNTU Kakinada sanctioned Research Centers to Dept of ECE, CSE, Mech &EEE. The college is recognized as Scientific and Industrial Organization by DSIR, Government of India

The institution continuously strives to improve and sustain quality in all the aspects of education. The Governing Body, College Academic Council, Director, Principal, the teaching fraternity, administration section, various departments, students and other stake holders jointly contribute the best towards making the college an institution for excellence. The following are the quality initiatives made by the institution.

Curricular Aspects

Outcome based approach has been implemented in the institution. A Careful study of the content in the curriculum, syllabi of all the UG/PG programs offered and a set of PEOs, POs, PSOs and COs have been diligently framed for each program.

In the academic year 2018-19 new regulations R18 as per guidelines of AICTE is being implemented

The student shall fulfill the following academic requirements:

- 1.Foundation courses
- 2.Programme core and elective Courses
- 3.Open elective courses
- 4.Certification courses
- 5.Internships
- 6.Mini project
- 7.Professional Ethics and Human Values, IPR courses are introduced as mandatory courses

Teaching, Learning and Evaluation

- 1.Subject allotment is based on the competency matrix and experience of the teacher. Attainment of the COs, POs and PSOs are the recent additions for allotment of a subject.
- 2.Faculty/Students are utilizing the NPTEL lectures and e-resources.
- 3.Eminent senior faculty members are appointed to hold key positions.
- 4.Reputed academicians and renowned industry personnel visit the campus to enlighten the faculty and students.
- 5.On-line feedback on each course has been implemented.
- 6.Systematic procedure has been evolved to review the overall performance of the departments annually.

Research and Development

Advanced research labs have been initiated.

Progressively increasing number of proposals submitted to various funding agencies.

JNTU Kakinada sanctioned Research Centers to Depts of ECE, CSE, Mech &EEE

The number of publications in peer reviewed journals with good impact factor has increased.

Recognized as Scientific and Industrial Organization by DSIR of Government of India

The institution got DST-FIST funding

Recognition for the institution

Permanent affiliation to JNTUK, Kakinada

Academic Autonomy sanctioned by UGC

Four programs (ECE, CSE.EEE & ME) are accredited by NBA under Tier-II

TEQIP Phase –II funded Institution

A.P. State Skill Development Centre (APSSDC), Siemens PLM software authorized training centers are established in the campus

Infrastructure and Learning Resources

New academic blocks, classrooms, labs, staff cabins and seminar halls have been built.

ICT-enabled classrooms

The internet bandwidth has been increased with Wi-Fi.

NPTEL, e-journals, spoken tutorials are effectively being used.

Advanced software tools have been purchased.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 28

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
4	14	3	4	3

File Description	Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document
Any additional information	View Document

7.1.2 Institution shows gender sensitivity in providing facilities such as

- a) Safety and Security
- b) Counselling
- c) Common Room

Response:

Institution shows gender sensitivity in providing facilities such as

Safety and Social Security

- The college is committed to ensure safety and security to all the students especially to girl students and strictly follows the safety norms in all aspects.
- All classrooms, laboratories, roads and corridors are under CC camera surveillance and can be easily monitored by responsible faculty members.
- Security wing consisting of 29 personnel including Security officer, protect the campus and hostels in all aspects.
- Transport facilities are easily provided in case of emergency.
- Entire campus is provided with good lighting arrangement and nobody face troubles during night time.
- Women's Grievance and Redressal cell works effectively for girl students to raise the problems of harassment by keeping the complainer details confidential.

- Timely medical assistance is given to girl students by a doctor and lady nurse available in the campus.

Counselling

- Girl students are counseled regularly by the Women staff in the respective departments under the supervision of Women's Grievance and Redressal Cell.
- For constructive mentoring and development of students 15 to 20 students are assigned with one faculty mentor. The counseling system is to improve the affinity between faculty and students. They regularly monitor the progress of students and counsel them accordingly.
- Whenever the necessity arises such as irregularity of students, poor academic performance and misbehavior of students, then parents are informed to visit college.
- The college striving for overall personality development of the students through SAC, Leadership cell, Modular programmes and counseling.

Common Room

- Ladies waiting halls are available in every department and a E-Clinic facility is available to meet the First AID and medical needs of all the students in the campus.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 55.56

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Response: 250

7.1.3.2 Total annual power requirement (in KWH)

Response: 450

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs**Response:** 7

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 0.7

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 10

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- Solid waste management
- Liquid waste management
- E-waste management

Response:**SOLID WASTE MANAGEMENT**

- All nonhazardous mainly the refuse includes mostly decomposable food generate from canteen and hostels and the rubbish a dry material such as glass, paper, generated from office are disposed properly.
- Food waste from the mess halls are efficiently collected and properly processed
- Separate dustbins are provided for collecting biodegradable and non- biodegradable waste at different locations all throughout the campus.
- AITAM disposes paper waste for recycling again into paper and inturn protect the nature by reducing chopping of trees for paper production.

LIQUID WASTE MANAGEMENT

Standard practices are being following to prevent discharge of liquid pollutants to the storm drain system or to watercourses.

- he hazardous chemicals are disposed in highly diluted form, the wastes sent to outlet is connected to oxidation ponds for the safe disposal of chemical waste.
- The non-hazard liquid discharges from canteen and hostel mess halls are being disposed to nearby watercourses

E-WASTE MANAGEMENT

Electronic goods are put to optimum use; the minor repairs are set right by the staff and the laboratory assistants while and the major repairs done by the professional technicians.

- The damaged computers are used by the instructor in practical sessions for the certificate course in computer maintenance and hardware. Finally, they are exchanged with local dealers and UPS batteries are recharged / repaired /exchanged with suppliers
- The waste discs are used by students for decoration and participation in competitions “Arts from Waste”. When they fall out of use, they are handed over to the agent of the suppliers of electronic equipment.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

The college is being established in a vast area of 40 acres having 6 blocks for different departments, 3 hostel blocks for boy students, 2 hostel blocks for girl students and canteen block with a roof area of 16942 sq.mtr (1,82,360 sq. ft). AITAM believes in quote “Save water Save life” so collage harvest most of the rain water for plants and gardens.

- The management made all efforts to use rain water for recharging the groundwater table by constructing rainwater harvesting pits in every department blocks as per its design capacity
- Every block is provided with sufficient capacity rooftop harvesting systems and all are connected to the recharge pits appropriately. Moreover the college campus has road roof harvesting systems connected to soak pits with proper recharging pits provided at regular intervals
- The rain water harvesting system followed in the boys hostel for watering plants.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) Bicycles
 - b) Public Transport
 - c) Pedestrian friendly roads
- **Plastic-free campus**

- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Proper measures have been taken to reduce carbon emission to keep the campus pollution free and uncontaminated.

- The college buses and the student special buses from Andhra Pradesh State Road Transport Corporation fetch the students and staff of the college to avoid use of individual vehicles. A public transportation facility is encouraged.
- At the beginning of every academic year, buses and other vehicles condition is checked by R.T.O.
- The outer vehicles are forbidden to enter the college premises and a carpooling system is used by some staff.
- The management discourages use of plastics within the campus to make plastic free campus by organizing awareness camps through Student Activity Center (SAC) among students and faculty
- The students ensure that the class rooms and campus are kept clean, well ventilated and plastic free.
- The general practice of communication in the college is through papers. At present, the management making efforts to go paperless by making most of the communication is being done through online i.e., emails.
- The college consists well established bituminous roads with pedestrian foot paths with central medians.
- Trees were planted by students along the roadsides. The numbers of plantsplanted in the college under the program “Chettu-Neeru” to make the campus greener
- The leadership unit of the college actively conducts green campaigns and has taken the initiative to teach students how to make healthy environment. One of the healthy practices of the institution is the students regularly nourish the trees and flowering plants.
- More than 1/3rd of the campus is covered by green and lushly vegetation with different varieties of plants and shady trees spread all throughout .(approximately 4500 trees, herbs and bushes with several varieties of species)

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 3.02

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2017-18	2016-17	2015-16	2014-15	2013-14
26.24	34.78	67.92	54.52	12.17

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 24

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	5	4	5	4

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 30

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
7	7	4	7	5

File Description	Document
Report of the event	View Document
Any additional information	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal / Officials and support staff

Response: Yes

File Description	Document
Any additional information	View Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website**Response:** Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations**Response:** Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics**Response:** Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions**Response:** Yes

File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 22

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2017-18	2016-17	2015-16	2014-15	2013-14
6	5	4	5	2

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

As a part of a tradition, AITAM feels pleasure in celebrating National festivals like Women's day, Teachers day, Engineers day as well as birth and death anniversaries of eminent personalities of India.

The Independence Day and Republic day is celebrated every year in the college campus. After flag hoisting, the chief guest and other invitees give speeches. Plants are being planted by our Honorable Chairman to make the campus green. Different competitions have been conducted and prizes have been distributed on these great auspicious occasions.

On 8th March the Women's day is celebrated to empower women empowerment among the women. On this special occasion, RANGOLI competition is conducted and prizes are distributed for the girls. The Chief guest of the programme makes her speech on women's role in uplifting the society. There is an interaction with the Chief guest on the problems faced by the women in the present society.

September 5th is observed as Teacher's day. The chief guest of this programme delivers his speech on value-based education and the role being played by the teacher community. On this occasion, the management felicitates the members of the faculty who have been awarded PhD degrees recently and also prizes are distributed for the members of faculty who have won in the competitions.

Engineer's day is celebrated on the occasion of Sir Mokshagundem Visveswaraya's birthday anniversary. On this occasion, the statue of Sir Mokshagundem Visveswaraya is decorated with garlands and flowers. The chief guest of the programme has felicitated by the college management and the NSS Volunteers. The chief guest delivers his speech on the importance of engineers for the growth and development of the country.

The international Yoga day initiated by the prime minister of India and, it is organized in the college campus on 21/06/2016. Students are trained with different yoga- asana and mentored under the supervision of a resource person, Sri. G.Chandrasekhar. He also reiterated the importance of Yoga to keep body healthy in the stressful day to day lifestyle.

National unity day is celebrated on the birthday anniversary of Sardar Vallabhai Patel who is known as Indian Iron man of India. National unity day is also known as the Rashtriya Ekta Diwas to make the people come together for the development of Country. It is introduced by the Govt of India and inaugurated by Indian Prime Minister Narendra Modi in 2014. On this occasion, a rally is organized to bring awareness of united India.

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Financial System:

Transparency in financial system is ensured through:

- Financial audit (Internal & External) done regularly by external agencies.
- Formulation of financial committee as per UGC guidelines
- Publication of complete audit report in the website

Academic System

- Academic Audit is done regularly by internal experts through IQAC.
- Attendance is posted by the faculty in BEES software immediately after completion of class work. SMS is sent to the parents when student is absent.
- Every month attendance (students having less than 75 percentage attendance) is communicated to the parents through Regd. post letters.
- The complete academic status of any student can be obtained by parents through Online & SMS.

Administrative Functions

Transparency in administrative functions is ensured through:

- Specify duties & responsibilities of every administrator
- Documented HR Policy made available to everyone in every department.
- Well laid down procedures to be followed while discharging the regular duties

Auxiliary Functions

Auxiliary functions like conduct of workshops, training programs, seminars, FDPs, conferences, guest lectures, publications etc., are implemented through predetermined procedure and made available in website and department library concerned.

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice – I:

1. Title of the Practice: Faculty & Staff Development

2. Goal: Enhancing faculty & staff members' competence is always a prime factor for sustained development of the institute in a cut throat competitive world. The primary goal of the institute is to have 40% faculty with PhD by 2023.

3. The Context The measurable parameters of the faculty performance are student feedback, pass percentage, qualification upgradation from M.Tech to PhD, Research projects, Publications, participation in FDPs, Seminars and conferences. Feedback is taken twice in a semester and averaged to access the faculty performance.

4. The Practice: All the faculty members are encouraged for qualification upgradation from M.Tech to PhD., Apply for Research Projects, Publications and participation in FDPs, seminars and conferences.

5. Evidence of Success:

Total In-House Programmes organized: **50** Total benefitted: **250 faculty & 80 Non Teaching Staff**

Total Faculty deputed to IITs: **56**, IIMs: **39**, NITTTRs: **05**, ISB: **02**

ASCI: **01 and** deputed to ESCI: **08**

Total Faculty with Ph.D.: **12** (2011) to **41** (2017)

Total faculty pursuing Ph.D: **75**

Total number of publications **319 (2012) 1397 (2017)**

6. Problems Encountered and Resources Required:

Insufficient funds are allocated for conducting faculty & Staff Development Programmes, workload for faculty perusing research and doing project is more, Sponsorship to QIP programme at IITs & NITs is also needs attention.

Best Practice-II

1. Title of the Practice: Employability Enhancement

2. Goal: Placements rate is always a parameter strongly considered by parents before seeking an admission. Accordingly, our institute has taken the task of employability enhancement right from the inception and specific practices are implemented in the institute. The objective is to make students employable immediately after graduation.

3. The Context: It is necessary that the student attains requisite knowledge and skills in his/her branch of engineering as well as possess adequate soft skills and programming ability to become employable.

4. The Practice: To impart the requisite technical knowledge and skills the following practices are adopted.

*A separate department “Training and Placement Cell “has been established with experienced experts members of faculty to make students company ready.

*The important technical aspects are emphasized by every teacher in the class room. Guest lectures, training programs on core subjects and soft skills are arranged for students of every branch of engineering stream.

*Certification programs and training are arranged for specific subjects.

All the above designed specific practices spread through the last four semesters as part of the curriculum.

5. Evidence of Success:

YEAR	BRANCH WISE PLACEMENT DETAILS									
	CSE	IT	ECE	EEE	CE	ME	MBA	Total (Selected)	Total Eligible)	% (
2017 - 18	53	08	135	54	15	51	19	335	682	49
2016 - 17	48	02	87	77	69	55	10	348	647	54
2015 - 16	76	11	94	51	03	11	09	255	609	42

2014 - 15	74	18	65	74	06	29	01	267	517	52
2013 - 14	52	16	43	51	-	19	07	188	435	43

6. Problems Encountered and Resources Required:

- Some of the students do not attended the training programme imparted by Training and
- Placement Cell and Guest lecture by experts which affects placement rate.
- Students from rural areas lack effective communication skills.
- Some of the students especially girls are getting married during the course of the study hence they are not serious about employment opportunities given in the campus.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

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.

- **Updation of 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 centers 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 1.2 to 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.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

NAAC

5. CONCLUSION

Additional Information :

We have submitted criteria wise information as per the specifications of NAAC. However, we wish to bring the following for your kind notice.

- A practice of quality assurance to regularly address, monitor and evaluate the quality of education imparted to students, promoting effective teaching-learning methods for the benefit of both students and teachers and making the institution a place for excellent centre of knowledge and research in engineering science and technological education.
- Best standards and practices of good governance shall be put in place to bring in transparency of operations and improve credibility at all levels.
- Skills among students developed through Interactive Teaching–Learning Process, Corporate exposure by Industry Internship and project work and thus make them ready to get into industry soon after the completion of the course.
- Research work among staff members shall be encouraged in-order to update the knowledge.
- Well equipped Laboratory facilities shall be provided in all the departments.
- Reputed Industries shall be invited for campus placements.
- Students will be exposed to the latest technologies available
- Maintaining healthy competitive environment
- Developing confidence and explore potential talent for meritorious leadership
- Continually improving the effectiveness of QMS
- Complying with applicable statutory requirement

Concluding Remarks :

The 2011-2016 cycle is a period of consolidation of academics and initiation into new forays of events like Research and Development, Social Engagement, Environment and Sustainability, Human Values, Gender Equity and Professional Ethics.

The prominent gains of the period are expansion of a state-of-the-art library and specialized research centers, one of the unique achievements in a remote rural technical institution.

A major long-ranging academic gain is the introduction of the concepts of course coordinator and outcome based education which facilitate hassle-free implementation of a course with a fair degree of credibility and transparency.

The implementation of a well-structured “Course handout, Lesson plan, Evaluation rubrics, result analysis” model for all the courses offered by the university has set up the platform for feedback-based corrections and innovation.

In the R&D field, there has been quantum improvement in publications with awareness about Scopus indexed publications, Intellectual property rights, and publication norms for Research articles, Monographs, Book

reviews and Thesis.

AITAM has taken a few strides towards involving students in productive Social Engagement, meeting real time societal needs of the rural people of srikalulam district.

NAAC

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</p> <p>1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 520 Answer after DVV Verification: 52</p> <p>1.2.1.2. Number of courses offered by the institution across all programs during the last five years Answer before DVV Verification : 2565 Answer after DVV Verification: 559</p>																				
1.3.2	<p>Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>1.3.2.1. How many new value-added courses are added within the last 5 years Answer before DVV Verification : 57 Answer after DVV Verification: 23</p>																				
2.4.4	<p>Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years</p> <p>2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years Answer before DVV Verification:</p> <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>40</td><td>24</td><td>24</td><td>25</td><td>14</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>9</td><td>16</td><td>9</td><td>14</td><td>11</td></tr></table>	2017-18	2016-17	2015-16	2014-15	2013-14	40	24	24	25	14	2017-18	2016-17	2015-16	2014-15	2013-14	9	16	9	14	11
2017-18	2016-17	2015-16	2014-15	2013-14																	
40	24	24	25	14																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
9	16	9	14	11																	
2.5.2	<p>Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years</p> <p>2.5.2.1. Number of complaints/grievances about evaluation year-wise during the last five years Answer before DVV Verification:</p> <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>693</td><td>620</td><td>515</td><td>663</td><td>676</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr></table>	2017-18	2016-17	2015-16	2014-15	2013-14	693	620	515	663	676	2017-18	2016-17	2015-16	2014-15	2013-14					
2017-18	2016-17	2015-16	2014-15	2013-14																	
693	620	515	663	676																	
2017-18	2016-17	2015-16	2014-15	2013-14																	

377	356	326	457	487
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Remark : HEI input edited according to clarification response.

2.5.3 Average percentage of applications for revaluation leading to change in marks during the last five years

2.5.3.1. Number of applications for revaluation leading to change in marks year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
199	225	183	293	377

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
126	142	131	174	253

Remark : HEI input edited according to clarification response.

3.1.2 The institution provides seed money to its teachers for research (average per year)

3.1.2.1. The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
1.54	2.6	1.2	0.19	1.762

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

Remark : documents related to seed money not provided.,

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

3.1.3.1. The number of teachers awarded international fellowship for advanced studies / research year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
5	2	2	1	3

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
0	0	0	0	0

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years (INR in Lakhs)

3.2.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
160.89	5	25.07	24.05	36.10

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
145.08	00	22.07	21.05	10.85

Remark : HEI input edited according to Clarification response.

3.2.4 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

3.2.4.1. Number of research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification : 36

Answer after DVV Verification: 18

Remark : HEI input edited according to clarification response.

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

3.3.3.1. Total number of awards for innovation won by institution/teachers/research scholars/students year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
4	18	14	11	3

Answer After DVV Verification :

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2017-18	2016-17	2015-16	2014-15	2013-14
4	11	9	9	4

Remark : HEI input edited according to clarification response.

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

3.7.2.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
56	74	36	22	20

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
49	70	35	22	20

5.2.1 Average percentage of placement of outgoing students during the last five years

5.2.1.1. Number of outgoing students placed year-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
336	425	406	383	279

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
336	418	395	364	273

Remark : HEI input edited according to clarification response.

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) during the last five years

5.3.1.1. 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-wise during the last five years

Answer before DVV Verification:

2017-18	2016-17	2015-16	2014-15	2013-14
40	22	03	15	03

Answer After DVV Verification :

2017-18	2016-17	2015-16	2014-15	2013-14
16	7	2	5	1

Remark : HEI input edited as per clarification response.

2.Extended Profile Deviations

ID	Extended Questions																				
1.5	<p>Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>1387.03</td><td>1559.74</td><td>1608.58</td><td>1784.59</td><td>1350.53</td></tr></table> <p>Answer After DVV Verification:</p> <table><tr><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td></tr><tr><td>1387.03</td><td>1266.573</td><td>1260.655</td><td>1323.485</td><td>1277.220</td></tr></table>	2017-18	2016-17	2015-16	2014-15	2013-14	1387.03	1559.74	1608.58	1784.59	1350.53	2017-18	2016-17	2015-16	2014-15	2013-14	1387.03	1266.573	1260.655	1323.485	1277.220
2017-18	2016-17	2015-16	2014-15	2013-14																	
1387.03	1559.74	1608.58	1784.59	1350.53																	
2017-18	2016-17	2015-16	2014-15	2013-14																	
1387.03	1266.573	1260.655	1323.485	1277.220																	