YEARLY STATUS REPORT - 2021-2022

Part A	
Data of the Institution	
1.Name of the Institution	**Annamacharya Institute of Technology and Sciences, Tirupati**
• Name of the Head of the institution	**Dr. C. Nadhamuni Reddy**
• Designation	**Principal**
• Does the institution function from its own campus?	**Yes**
• Phone no./Alternate phone no.	**08772285695**
• Mobile no	**9948149222**
• Registered e-mail	**aitstpt@yahoo.com**
• Alternate e-mail	**aitstpt@gmail.com**
• Address	**Venkatapuram village, Karakambadi Road, Renigunta Mandal**
• City/Town	**Tirupati**
• State/UT	**Rural**
• Pin Code	**517520**
2.Institutional status	
• Affiliated /Constituent	**Affiliated**
• Type of Institution	**Co-education**
• Location	**Rural**

• Financial Status	**Self-financing**	
• Name of the Affiliating University	**JNTUA**	
• Name of the IQAC Coordinator	**K. Ramya**	
• Phone No.	**9963058059**	
• Alternate phone No.	**9963058059**	
• Mobile	**9963058059**	
• IQAC e-mail address	**directoriqac.aitstpt@gmail.com**	
• Alternate Email address	**iqacaitstpt2022@gmail.com**	
3.Website address (Web link of the AQAR (Previous Academic Year)	https://aits-tpt.edu.in/wp-content/uploads/2022/06/AQAR-REPORT-2020-21_compressed.pdf	
4.Whether Academic Calendar prepared during the year?	**Yes**	
• if yes, whether it is uploaded in the Institutional website Web link:	https://aits-tpt.edu.in/wp-content/uploads/2022/04/I_BT_I-Sem_2021-22-AUTONOMOUS_compressed.pdf	

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.09**	**2018**	**26/08/2018**	**25/08/2023**

6.Date of Establishment of IQAC	**13/11/2014**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
-	**-**	**-**	**-**	**-**

8.Whether composition of IQAC as per latest NAAC guidelines	**Yes**	
• Upload latest notification of formation of IQAC	[View File](#)	

9.No. of IQAC meetings held during the year	4
• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?	Yes
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded
10.Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
• If yes, mention the amount	

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

A. To evolve with the best practices for the institution, brain storming sessions are conducted with the senior faculty and HOD's and a couple of prospective alumni and industry representatives and documented 8 best practices, presented for approval in various authentic bodies like CAC, Governing body etc in 2021-22. B. Strategic plan and Institutional policies are reviewed by IQAC by organizing stake holders meetings and obtained approval by CAC and the GC of the institution. C. Institute's SWOC analysis has been evolved by reviewing Department level SWOCs through a couple of IQAC meetings. Similarly, Institutional Distinctiveness has been debated and documented. Methods for analysing the quality of question papers of SEE have been advised to the Department HODs. D. IQAC took the responsibility of reviewing the Institute Specific Criteria for NBA and through discussions with administrative heads, academic heads etc confronted with the quality documents for presentation during the inspection and finally all the applied programs got accreditation. E. IQAC suggested very strongly the chairmen of Boards of Studies of various programs to introduce detailed guidelines for conduct of MOOCS, Community Service Projects, virtual Internships and potential LMS platforms offering internships in the respective academic regulations.

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

Plan of Action	Achievements/Outcomes
Actions to improve the academic results and placements: Academic Results: 1. CLC - Two hours in a week (Group discussion, Jigsaw, Quiz, Four corners, Think – pair – share, Debates etc). 2. Every Unit - 1 Assignment to be given to the students, compelling the students for submission of assignments on regular basis. 3. Remedial classes: Extra care for struggled learners utilizing the counselling system also. 4. Sensitizing the faculty to produce and post the video lectures in youtube channels and make them public. 5. Covid Pandemic compelled the teaching community to open up new avenues of reaching students through virtual/online practices like usage of graphic tablet, stylus pens etc. Placements: ? Motivating the students to attend CRT for placements. ? Searching for recruiters offering higher packages ? To establish few centres of excellence for technical training on emerging trends and for increasing the recruitments. Actions to organize seminars / conferences / workshops /FDPs /STTP: ? Successful completion of the MODROBS project ? To conduct AICTE granted FDP on Actions of all clubs and forums in the college : Organizing programs, events and competitions in accordance to the objectives of the club. The below listed are the functional clubs of the institution: ? C Programming club ? Database	All the CLC activities were conducted, documented accordingly. Assignments for each unit have been collected, corrected and few samples were documented in the course file. Remedial measures were taken for the struggled learners. Majority of the faculty made you tube videos and shared it in their you tube channels. Faculty adopted the tools for online teaching like stylus/pen tablet when online classes were commenced. • 266 students got selected for various top profiled MNC's for the year 2021-22 • INFOR company offered a highest package of 8.16 lakhs per annum. • Started centres of excellence by Hexaware, EPAM, Wipro talent nxt, Ziroh labs etc for technology training and induction. • A two week FDP "Understanding and Assessment of Higher Order Cognitive Skills Required for Engineering Education Through Valid and Reliable Methods" was conducted and around 60 participants got benefitted by this FDP. • An FDP for the faculty and two training programs for the students on Design & Hovering of An Unmanned Aerial Vehicle has been conducted with the successful completion of • 25 faculty and 180 students. Competitions, events has been conducted by the clubs to motivate the students learn and exhibit their creative, and intellectual skills. Majority of the faculty have completed atleast one

Technologies Club (DTC) ? Java club ? AI ML club ? Python Programming Club (PPC) ? Coding club ? Circuit club ? Oratory club ? Literary club Actions to conduct quality enhancement programs to Students, Teachers, and Administrative staff: 1. Teachers are encouraged to register and complete atleast one online course in the platforms like NPTEL Swayam/Coursera/EdX. 2. Upskilling programs for the faculty are planned. Actions to encourage faculty and students for publications: ? According to service conditions, research publication in a standard journal not less than UGC listed is mandatory ? All eligible faculty are required to submit the proposal for various funding agencies like AICTE, UGC, DST etc. Actions to conduct Internal & External Academic Audits: ? Checking lesson plan ? Course content including e-course file ? Progress of delivery checked by Academic monitoring team and will be regulated to meet the deadlines. ? College Student Council (CSC) meeting is held in the middle of the semester and sample feedback is collected from them which form the basis for mentoring the faculty for improvements. ? Semester end survey will be conducted and once results of the Semester end exams are released, analysis of the results clubbed with the survey will be helpful to assess the course outcome attainments which gives certain valuable information regarding Teaching- online certification program in the mentioned platforms. Many faculty and students got Microsoft certifications like Microsoft fundamentals, Microsoft Technology Associate (MTA), Microsoft Certified Fundamentals (MCF) etc. • 95% of the faculty has published the articles in reputed journals. • As per the academic regulations, publications by PG students in the project works they have carried out has been made mandatory. • Research proposals have also been submitted. • Lesson plans were collected and reviewed by the HODs at the beginning of the semester. • Course content has been checked and reviewed by Academic monitoring committee (AMC) • AMC checked the progress of delivery, and some suggestions were given. • Meetings have been held up by College Student Council (CSC) and feedback has been collected. Faculty has been mentored and counselled in case of deviations. • Semester end survey has been conducted and the results were analysed. Deviations in the teaching-learning system has been sorted out and target settings has been initiated. • Blood donation camps have been organized • Vaccination Drives were organized in the campus for 3 times and altogether 1000 plus students and faculty got vaccinated. • Special camp has been organized in an adopted village namely Venkatapuram for one week involving 100 student volunteers in various service

| Learning system and target to be set for the next academic year. Actions to initiate social responsibility activities: ? Blood donation camps and Vaccination drive by NSS ? Community Service | activities. • As a part of curriculum, third year students involve in the community service projects, helping and gearing the people in the community. |

13.Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
GB	26/03/2022

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	11/01/2022

15.Multidisciplinary / interdisciplinary

Though the Humanities and Sciences subjects are in the combination with the programs with hybrid titles, the courses of Humanities and Sciences like Applied Physics, Engineering Physics, Chemistry, Engineering Chemistry, Algebra and Calculus, Probability and Statistics etc have been integrated with the UG Engineering programs and has been clearly evident through the analysis of UG curriculum. Community service projects (CSP's) have been made as a part of curriculum and credits has been allocated. In this regard, students tend to move in the nearby communities to conduct some socioeconomic surveys, render relevant community service and submit the community service project report at the third year level of UG. Environmental education is a mandatory non credited course introduced in 2nd year of UG curriculum fulfilling AICTE norms.

16.Academic bank of credits (ABC):

The team is working to make our institution registered with ABC portal.

17.Skill development:

From B. Tech II-1 to IV-1, there are 5 skill development courses

included in the curriculum, out of which, 4 courses are technology related and 1 course related to soft skills. This is made mandatory credited courses for the batches admitted from 2020-21. The institution in collaboration with APSSDC and established two skill development centres in the style of AP CM's Skill Excellence Centre Dassault's 3D experiencing lab of worth 1 crore rupees and facilitated to the students of the institution to upskill on new software like CATIA, CADCAM and on emerging technologies. In collaboration with APSCHE, institute facilitated the students to learn the virtual content on different platforms like mircosoft and obtain thousands of certificates to our students and staff every year. Spoken tutorial project of IIT Bombay granted FOSS centre to facilitate the students to learn and get certified through the platform spokentutorial.org AICTE's Parakh portal has been utilized and sensitized students to get assessment on their knowledge and skills and obtain certifications.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

To sensitize the student and teacher communities, the management of the institution has procured and shelved the books related to Indian Knowledge system like vedas (All vedas of 42 number of volumes), Ramayanam and Bhagavatham in Telugu, Bhagavat Geeta in Telugu and Sanskrit, Quran and Bible in English. Constitution of India and Universal Human Values have been introduced in the curriculum to inculcate the heritage of the country and moral values among the students.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Initiated the introduction of credit transfer by including two mandatory courses in UG curriculum for students to take examination on Nptel SWAYAM/edX, coursera etc and credits earned by the students are actively considered for audit requirements of the program. Added to this, in the PG regulations (MBA and MCA), credit transfer has been introduced giving the provision to the students to take up 40% of the courses on MOOC platforms and obtained credits can be considered for the requirements for award of the degree. However, the chairman BOS/Program Head will permit if only when atleast 70% of the syllabus designed by BOS appears in MOOC platform for a particular course.

20.Distance education/online education:

Right now, we are running only regular programs in UG and PG in Engineering and in Management

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**545**

File Description	Documents
Data Template	[View File]()

2.Student

2.1 Number of students during the year	**2693**

File Description	Documents
Institutional Data in Prescribed Format	[View File]()

2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	**690**

File Description	Documents
Data Template	[View File]()

2.3 Number of outgoing/ final year students during the year	**555**

File Description	Documents
Data Template	[View File]()

3.Academic

3.1 Number of full time teachers during the year	**226**

File Description	Documents
Data Template	[View File]()

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3.2	0
Number of sanctioned posts during the year	

File Description	Documents
Data Template	<u>View File</u>

4.Institution	
4.1	**63**
Total number of Classrooms and Seminar halls	
4.2	**33829826**
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	**882**
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Institution obtained UGC autonomous in the year 2019-20 for 10 years and for all the batches of students admitted from 2019-20, the curriculum has been designed by the institution through its Boards of Studies (BOS) and the academic regulations aremodified strictly in accordance with the National Education Policy and the 'Revised Academic Curriculum' of AP State Council of Higher Education (APSCHE) of AP Government. Timely addition of new laboratories/equipments have been done based on curricular requirements. New titles of text books for reference and text books for issue are added every year on the recommendations of the library committee. Based on the academic calendars advised by AICTE and State Government and the Affiliating University, detailed academic calendar for both odd and even semesters are being prepared, with the particulars like instruction start date, instruction end date, internal examinations and external examination schedules etc., Academic monitoring committees constituted in the departments will Check the quality and progress of teaching learning systems collects and analyze the feedback and corrective measures will be taken. The

faculty members use ICT tools in their lectures to make learning process more effective. Lesson plans and Course File is to be maintained by every faculty.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**
Link for Additional information	**Nil**

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Keeping in view of the academic calendar suggested by AICTE and based on the admission counselling schedules followed by the state Government, academic calendar normally will be prepared by the institution which has been inline with those of many universities.

Academic Calendar prepared by the institution ensures the minimum instruction days of 80-90 per semester and two slots in the semester to conduct internal examinations, one in the middle and another just before SEE schedule. Care will be excercised in sparing adequate number of instruction days before each of the internal series so that days spared are enough to complete the delivery of 50% syllabus for the 1st mid and remaining for 2nd mid.

File Description	Documents
Upload relevant supporting document	**No File Uploaded**
Link for Additional information	**Nil**

1.1.3 - Teachers of the Institution participate in **A. All of the above**
following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of

Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File](#)
Any additional information	**No File Uploaded**

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

14

File Description	Documents
Any additional information	**No File Uploaded**
Minutes of relevant Academic Council/ BOS meetings	**No File Uploaded**
Institutional data in prescribed format (Data Template)	[View File](#)

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

0

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
List of Add on /Certificate programs (Data Template)	[View File](#)

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

0

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

1.3 - Curriculum Enrichment

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

The curriculum is reviewed and updated in the meetings of every Board of Studies of various programs in 2021-22 on various aspects by the Institution which includes the following subjects in UG curriculum in the course structure.

Environmental Studies course main objective is to make the students to get awareness on environment and ecosystems. Universal Human Values a 3 credited course includes the self-exploration, society and harmony in the family and society, strengthening of self-reflection etc. Biology for Engineers course in the curriculum to gives basic understanding about the bio diversity and life process to provide insight to the student. Constitution of India is a mandatory course introduced with the objective of imparting knowledge on to the framework of Indian constitution. Research Methodology and IPR course in PG curriculum which includes various methods and models of research with basic concepts of copyright laws and patents as a professional core subject. Soft skills and Principles of effective public speaking: skill oriented courses with 2 credits enhances the LSRW speaking skills. Technical writing with 2 credits enhances creative skills like creating templates, video CVs, etc. Community Service Projects make the students reach out the communities and help them.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	No File Uploaded

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1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

12

File Description	Documents
Any additional information	**No File Uploaded**
Programme / Curriculum/ Syllabus of the courses	**No File Uploaded**
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	**No File Uploaded**
MoU's with relevant organizations for these courses, if any	**No File Uploaded**
Institutional Data in Prescribed Format	<u>View File</u>

1.3.3 - Number of students undertaking project work/field work/ internships

594

File Description	Documents
Any additional information	**No File Uploaded**
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<u>View File</u>

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://aits-tpt.edu.in/iqac/#Feedback
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows   A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://aits-tpt.edu.in/iqac/#Feedback

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

947

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

518

File Description	Documents
Any additional information	**No File Uploaded**
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

1. Instilling the counselling/ Mentor-Mentee system. A group of 20 students are assigned to a faculty cum mentor.
2. Proforma for the counselling system has been developed with the three parts consisting of Personal details, Educational/Study habits and Social Ethics/Social Responsibilities. This proforma helps the mentor to identify the key abilities, strengths and weaknesses of the students for further mentoring.
3. The mentor regularly monitors the group of students assigned to him /her to check their academic progress and follow up in case of any deviations in academics and regulate the students for constant improvement.
4. The mentor maintains complete academic record of four years like attendance secured, marks scored in internal and external exams. By this process, Slow/Struggled learners and Advanced achievers can be identified by the mentor.

  - Motivational sessions are conducted every semester, once or twice, by external Experts/professionals to improve psychological mind sets of students that help to analyse problems and to regularize them.

Strategies adopted for slow/struggled learners:

- Organization of remedial and tutorial classes which comprises of the repetition of critical topics for better understanding, maintaining quality circle: with weak learners along with advanced learner.
- Mind mapping techniques
- Daily attendance is reported to the parents through phone calls.

Strategies adopted for Advanced Achievers:

Participation in classroom, Department and college association activities such as seminars and quizzes and fast achievers are encouraged in innovative platforms like College Student council activity, technical fora and hackathons etc.,

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2693	**226**

File Description	Documents
Any additional information	**No File Uploaded**

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

Experiential Learning is achieved through Internship Programs, Hands-on-workshops, skill development programs, internship programs, social relevant projects, mini projects and major projects. AP state skill development corporation (APSSDC) conducts skill development programmes through external trainers on emerging technologies in the skill development labs established in the campus by the AP Govt. Hands-on-workshops/Labs, coding competitions by clubs are also being scheduled on the regular basis. The institution has associated with Microsoft certifications to learn online courses, attend proctored examinations online and through this nearly 425 certificates for both students and faculty in the AY 2021-22.Students and faculty are encouraged to enrol and clear NPTEL online courses. Collaborative learning practices are scheduled in the regular time tables itself to organize activities like jig-saw, Flipped class etc in the classroom. During Tutorial hours, Analytical Problems are given to students and the solutions are reviewed by the faculty. In the project work, four to five students as a group work on the solutions for an Engineering problems, analysis of case studies which provides in depth knowledge on the subject and decision making capability among the students.

File Description	Documents
Upload any additional information	**No File Uploaded**
Link for additional information	**Nil**

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

- **Microsoft Teams software is the official platform followed by the Institution for all the students. Blended mode of teaching has been adopted to speed up the academics and also for conducting the revision and remedial classes.**
- **Along with chalk and talk, the faculty members who teach subjects like Engineering drawing, Machine drawing and Production drawing use specific softwares for better visualization of the drawings. Usage of the graphic tablet for these subjects while online teaching helps the students to understand and ensure for better learning of topics.**
- **Apart from the traditional black board teaching, animations/videos are also shown to the students for many subjects like basic sciences, Computer Networks, Digital Image Processing and Satellite Communications for better understanding.**
- **e-content for the courses can be downloaded from the institute's website.**
- **You tube videos of the courses have been uploaded in the faculty you tube channels which is shared to the students to find it helpful while revising the course contents.**
- **SWAYAM web links for various curricular topics are suggested to students by the respective teachers.**
- **Institute has agreed with APSCHE to use its LMS portal to go-through the e-content being posted by the subject experts and to facilitate students to register and complete virtual internships (experiential learning) and to register, learn the content and take proctored examinations for getting online certifications for the skills like Microsoft Technology Associate (MTA) and Microsoft Certified Fundamentals (MCF)**

File Description	Documents
Upload any additional information	*View File*
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	**No File Uploaded**

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

222

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	**No File Uploaded**
Circulars pertaining to assigning mentors to mentees	*View File*
Mentor/mentee ratio	**No File Uploaded**

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

230

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	*View File*
Any additional information	**No File Uploaded**
List of the faculty members authenticated by the Head of HEI	**No File Uploaded**

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

30

File Description	Documents
Any additional information	**No File Uploaded**
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	<u>View File</u>

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1007

File Description	Documents
Any additional information	**No File Uploaded**
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<u>View File</u>

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

From the date of internal examination, the faculty has been notified to complete the evaluation within 4 days and allow all the students to verify their answer scripts and if not satisfied with the assessment, a student can discuss with the concerned course teacher and get justification.

Scrutiny by the examinations coordinator under the control of controller of exams (COE) is normally organized on a sample of answer scripts and the assessment gains the acceptance based on criterion.

Once the internal marks are finalized, concerned course teacher post the data in the required format in the examination branch and in the concerned Department computing systems, details of the internal marks will be displayed in notice boards and circulated through whatsapp groups, and this facilitates the students to respond on any error display and for further errata.

File Description	Documents
Any additional information	**No File Uploaded**
Link for additional information	**Nil**

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Students have an option to submit the grievance related to the internal examination assessment through offline in the form of a written statement. The grievance will be studied by the officer academic section and the Head of the Department jointly and will be redressed through the team within the time frame.

File Description	Documents
Any additional information	**No File Uploaded**
Link for additional information	**Nil**

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

The course objectives, expected course outcomes and expected Program Outcomes are clearly defined through Department level committees like Internal Program Assessment Committee (IPAC), Academic Monitoring Committee (AMC) and the COs defined in the curriculum are once again reviewed, verified and modifications if any, are suggested by the BOS.

The Program Outcomes are displayed on the Department Notice Board and in the College Website: http://aits-tpt.edu.in/ The faculty members are advised to ensure that the objectives of the particular course are fulfilled during the instruction period. For every subject, Syllabus and Course Outcomes are clearly specified by the course teachers to the students at the beginning of the semester to strengthen the outcome based education . The Course Outcomes of the Laboratories are displayed inside the lab halls Laboratories, and also posted in the website.

In addition to this, the lesson plan of course contains the COs and the learning outcomes and each class is marked according to the learning outcomes. Course outcomes of laboratory courses are published in the respective laboratory and in the lab Manual.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	https://aits-tpt.edu.in/electronics-and-communication-engineering-2/#PEOs-PSOs-POs-and-COs
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Direct methods are provided through direct examinations against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to CIE and SEE question papers. Two Internal Examinations are conducted in a semester and the faculty records the performance of each student against course outcome. Direct Assessment for COs = University Examinations (70%) + Internal Examinations (30%). Indirect assessments of COs are done at semester end by collecting the survey forms from students on achievements of COs. CO Assessment = 90% of direct assessment + 10% of indirect assessment. If assessments did not reach the targets then action plan has to be devised to improve the attainments for the next semester. Else, targets have to be raised for the subject in next time when the course appears. The program outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods. Direct assessment = Average of all COs that are mapped to a particular PO. Indirect (RUBRICS) assessments are achieved by collecting student feedback on POs at the end of semester. PO Attainment at semester level = 80% of Direct assessment + 20% of CO attainment Final attainment at batch level = 80% from PO attainment + 20% from Exit Survey.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

557

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://aits-tpt.edu.in/iqac/#Student-Satisfaction-Survey

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

NIL

File Description	Documents
Any additional information	**No File Uploaded**
e-copies of the grant award letters for sponsored research projects /endowments	**No File Uploaded**
List of endowments / projects with details of grants(Data Template)	[View File](#)

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

9

File Description	Documents
Any additional information	**No File Uploaded**
Institutional data in prescribed format	[View File](#)

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	[View File](#)
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	**No File Uploaded**
Paste link to funding agency website	**Nil**

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institution has established following centres of excellence in the campus to maximize innovative ecosystem. R & D Committee convenes meetings regularly to give alerts, share notifications for preparing funding proposals and provide technical assistance to the eligible members for submitting the proposals. The objectives of research committee is to encourage non doctoral faculty to register in to Ph.D. programme of their disciplines, ethical submission of research work by the faculty and students.

The Centres of Excellence like Zensar Center of Excellence, Hexaware Segue, Ziroh labs and EPAM have stated in the campus to impart special skills on the emerging technologies to the students to get prospective careers. Interactions through Industry Interaction Cell prosper the students to get Internships, permissions for plant

visits in their company. Entrepreneurship Innovations and Start-up Centre encourages the students and staff towards innovations, skilling programs and startups. AITS Business incubator is functional to support the idea of students and wannable entrepreneurs for funding to the agencies. AITS campus radio with an objective for reaching the students through a secured multi layer interactive platform to give the experience infotainment. College Newsletter and magazine publishes the content related to the Programs, events, creative talents, mega events etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

2

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

1

File Description	Documents
URL to the research page on HEI website	**Nil**
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	[View File](#)
Any additional information	**No File Uploaded**

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

54

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	[View File](#)

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

27

File Description	Documents
Any additional information	**No File Uploaded**
List books and chapters edited volumes/ books published (Data Template)	[View File](#)

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The following extension activities have been carried out by NSS:

Eye Checkup Camp at Venkatapuram Village: Sankalpa Hospital Tirupati

their team arrived at village. About 70 villagers were checked their BP and Random Diabetic Levels problems and free medication were given to villagers.

Girls Self-defense Program:

NSS Unit of AITS on the part of Special camp given a one-day training to ZPHS school girl students of all classes. Trainers from Naveen Martial Arts visited the school and given training on self defence. About 300 school students and NSS volunteers takes part in it.

Going Green Plantation Programme: Tree Plantation Programme done at Venkatapuram on 26-3-2022 and 27-03-2022, around 150 saplings are planted around at Venkatapuram village.

Sanitization Drive: Sanitization Drive was conducted at Venkatapuram Village to eradicate mosquitoes. The NSS Volunteer groups are splitted throughout the village and sanitizes the village.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

11

File Description	Documents
Reports of the event organized	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	<u>View File</u>

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

800

File Description	Documents
Report of the event	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<u>View File</u>

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

0

File Description	Documents
e-copies of related Document	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Collaborative activities with institutions/industries for research, Faculty	[View File](#)

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

6

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	[View File](#)

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institution has sufficient number of well-furnished, well-ventilated, spacious class rooms forconducting theory classes. Better aspect ratio is maintained for proper visibility of black board and audibility. All the Departments are provided with sufficient number of LCD projectors, Wi-Fi and LAN enabled internet connectivity. All laboratories are well equipped, and well maintained not only for carrying out curriculum oriented practicals, but also for learning beyond coursework. .Funded Skill Development Labs – AP Government through its APSSDC established two labs viz., i) AP CM's Skill Excellence Centre, ii) Dassaults Design Computing Lab of worth Rs.1 Crore.iii) Unmanned Aerial Technology (UAV), Drone Technology lab where training has been given to the faculty and the students on the fundamentals of aviation to the flying a drone.

A/C Auditorium with 800 seating capacity with built-in audio-visual system. Conference hall with a seating capacity 40 for the official meetings etc and e-classroom with 150 seating capacity for conducting seminars, lectures etc.

The central library is equipped with adequate infrastructure, e-resources, internet facility for the usage of browsing e-journals, visualizing and listening to MOOC courses, you tube videos etc. The Departmental libraries houses seminar reports, thesis reports, reference books, textbooks for the faculty & students.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

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

The Institute is committed to create a balanced atmosphere of academic, cultural and sports activities for the overall personality development of its students. Play grounds are available for outdoor games like Cricket, Volley ball, Tennicoit and Throw ball. Facilities for the indoor games like Chess, Caroms etc, are provided to students in the college campus. Various sports competitions such as Inter departmental, Inter collegiate, Inter University, etc help in developing team spirit and leadership in the students. Winners of the competitions are honoured with medals, trophies and certificates. Separate trainers with requisite qualifications are available for the students. Students are encouraged to participate in college level and intercollegiate level sport events.College encourages the students to practice gym after college hours. The College also encourages the students to participate in various cultural and literary activities to make the students excel in their fields of interest. Institute conducts the various cultural activities like Annual day, Fresher's day and national level fests to explore student talents. The Institute organizes yoga classes for the student and faculty periodically by the yoga masters. Institute takes support from ISKCON to conduct spiritual awareness programs.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

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

14

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

14998712

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	**No File Uploaded**
Upload Details of budget allocation, excluding salary during the year (Data Template	[View File](#)

4.2 - Library as a Learning Resource

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

Total Library Software System (TLSS) is full-featured Library software. It is windows-based licensed software. Modules of the

system include: Library Guidelines, Acquisition, Accession, Circulation, Members, Staff, Stock, OPAC and Reports. TLSS is fully-automated software and is implemented. The reports that can be generated are: Stock Checking & Verification Report, Annual report in order of Author/Subject/Publisher/Accession Number/Title etc., List of books, List of Reserved Books as on date, List of Issuable/Non-Issuable Books/Journals etc., Library Member List, Daily Transaction Reports and many other formats are also available.

Digital library which is a part of the central library with intranet and internet access of 115 Mbps. Access to e-journal publications like IEEE, J-Gate, Delnet and Knimbus and e-books of EBSCO (e-books Engineering core). There are 20 computer terminals to access internet/e-learning resources. The digital library also holds 150 general educational CD's of Engineering subjects.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	Nil

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

1710430

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	**No File Uploaded**
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	[View File](#)

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

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

250

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	**No File Uploaded**

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

AITS, Tirupati has clear policy regarding IT and has been always in the forefront adopting technologies and providing consistent IT enabled service to all its stakeholder's. IT policy has been laid down by the institution. This policy establishes college-wide strategies and responsibilities for protecting the confidentiality, integrity and availability of the information assets that are accessed, created, managed/controlled by the college. The policy provides a framework on the use of IT infrastructure and also lays down Vision and Mission. IT also outlines a mechanism for establishing and maintaining the proper infrastructure in the campus and has appropriate budgetary provision for expansion and updating its IT facilities including wi-fi.

Hardware Infrastructure Available:

Computers: 882

Servers: 3 NO.'s

Projectors : 30 NO.'s

Printers: 25 NO.'s

Networking Infrastructure:

LAN (1000 nodes)

Wi-Fi network 25 access points

Active and Passive components for networking

Core Switch

Firewall Security System, internet applications

The Institution has campus network and Wi-Fi facility with around 1000 nodes. BSNL Hy-Fi Giga networks are available for faster and efficient connectivity. Old and outdated computers are upgraded/scrapped periodically and consistent addition of computers, printers, LCDs and required software's is taking place.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

882

File Description	Documents
Upload any additional information	**No File Uploaded**
List of Computers	**No File Uploaded**

4.3.3 - Bandwidth of internet connection in the Institution   **A. ? 50MBPS**

File Description	Documents
Upload any additional Information	**No File Uploaded**
Details of available bandwidth of internet connection in the Institution	**No File Uploaded**

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

7340292

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

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.

The institute has adequate number of computers with internet in various location points like library, departments, examination section, offices, e-classrooom, auditorium etc. The central computer lab connected with LAN is open for the students which will be maintained by the allotted staff and technicians. System analyst takes care of all maintenance services. Calibration of the equipment/instruments is taken up by the respective Departments frequently and in case of any damage/deviation, necessary steps are initiated by calling the technicians from the supplier. The Blackboard, furniture and electrical appliances in the class room are checked regularly and replaced if needed. Budget allocation, arranging the books, books to be bounded in case of wear and tear will be supervised by Librarian and staff.. Transportation in-charge provide proper maintenance to the college buses, clearance certificates, regular checking of the condition of the vehicles with experienced drivers. Electrical Maintenance Plumbing maintenance, gardening, house keeping etc will be under the supervision of the facilities service section engineer. Regular log books are maintained for all the facilities and Institute have standard equipment policy and maintenance procedures.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1863

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<u>View File</u>

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

1863

File Description	Documents
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	<u>View File</u>

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	**Nil**
Any additional information	**No File Uploaded**
Details of capability building and skills enhancement initiatives (Data Template)	[View File](#)

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

941

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

941

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	[View File](#)

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	*View File*
Upload any additional information	**No File Uploaded**
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

270

File Description	Documents
Self-attested list of students placed	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of student placement during the year (Data Template)	*View File*

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

7

File Description	Documents
Upload supporting data for student/alumni	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of student progression to higher education	*View File*

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

3

File Description	Documents
Upload supporting data for the same	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	[View File](#)

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

3

File Description	Documents
e-copies of award letters and certificates	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	[View File](#)

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Student is an important stakeholder of the institution and hence are nominated as members of various committees. Student Representative Committee is comprised of Lady Representative (LR) and Class

Representative (CR) from each section to coordinate various activities as well as to discuss any Departmental and academic issues. College Student Council (CSC) is formed at the beginning of every academic year with CR's and LR's of various sections for all the programs. Regular CSC meetings will be held to discuss the issues pertaining to teaching-learning system. Anti-Ragging Committee is constituted at the beginning of every academic year with members as Principal, Head(s) of Departments, Senior Faculty Members and students representing II, III and IV years respectively. Student representative has been found in nonstatutory committees like IQAC, IEC, Sports and Library Committees. Student Volunteers are also part of NSS unit to serve the community. Professional Societies like ISTE, IEEE, IETE and CSI chapters found in the institution have student representatives as office bearers. Clubs like C programming, Database Technologies Club (DTC), Java club, Python and Coding clubs have student representation/ active participation for their academic skills whereas Oratory club, Literary club and EISC uplifts the holistic development of the students.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

11

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The alumni association of the Institute started in the year 2011 with name AITS ALUMNI ASSOCIATION. It is an inspiration for student community in terms of their ethical values in supporting the parent institution. Alumni coordinators and senior faculty of all the Departments participate in all the annual alumni meetings on invitation and seek the alumni advice and support for the development of the institution in terms of curriculum in view of industrial needs, latest technology, knowledge sharing etc. Strong social networks like facebook, twitter etc with the alumni has been established. Short term workshops and webinars were conducted by the office bearers of the alumni association. The Association is able to capture the internship opportunities, industrial training, and placement opportunities to the students in the industry where alumni are working. The interested outgoing students may express their interest to join Alumni association through the form in the college website.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

5.4.2 - Alumni contribution during the year (INR in Lakhs)   **E. <1Lakhs**

File Description	Documents
Upload any additional information	**No File Uploaded**

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The Governance of the institution is strictly in accordance with the Vision, Mission of the institution and institutional policies approved in accordance with strategic development for the institution and the norms, standards, systems and practices laid

down by AICTE, JNTUA, Government of Andhra Pradesh, state Council for Higher Education along with the suggestions from GB and CAC. OBE Strategies like Peer Group Discussions, Collaborative Leaning Classes (CLC's) are organized; Virtual classes, usage of APSCHE LMS portal for virtual internships and certification programs are conducted to enhance the academic performance of the students. Community Service Projects (CSP's) has become now a compulsory credited course by which the student is allowed to visit the community (rural habitats, suburbans, orphanages, hospitals, Govt. schools etc), understand the problems, conduct the general socio-economic survey and the domain survey and integrating the best solutions with the communities and providing the needy service. Induction Programmes are organized to pre-final and final students by arranging expert lectures by technocrats and successful leaders from outside organizations to provide career guidance and to understand the industrial environments and work places. Prospective Alumni were invited to give lectures/seminars/webinars on the academic topic of their interest to inspire the young minds.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Decentralized governance system with well defined inter relationships are available in the institute. Governing Body comprises of Chairman, Members nominated by trust, Secretary, Member nominated by JNTUA, Member nominated by AP government with Principal as member secretary. Principal is authorized signatory for all the sanctions and payments, subjected to the approval by the Honorable Secretary of the Institute. Budget approvals and utilization for the transactions are maintained in order. Budget is proposed individually by the Head(s) of the Department based on the academic requirements at the beginning of the academic year. After careful consideration, Principal after discussion with the Management approves the budget for all the departments. Utilization of the approved budget by each Department will be submitted to the principal for scrutiny at the end of the academic year. The Principal will have meetings with HOD's to discuss for the conduct

of various Academic / Co-Curricular / Extra Curricular activities.Feedback monitoring committee constantly monitors the feedback of the curriculum, teaching learning process with the students and necessary actions will be taken in case of deviations. Antiragging committee composition reveal that a few students, a few non-teaching staff, teaching staff, a few from parents are also members in them.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Strategic plan is made by institution to accomplish holistic development of the stake holders.

Academic Eminence: Revising course curriculum with high standards and industry based requirements, strong feedback mechanism from stakeholders.

Innovative Research: Implementing Institute's Research Ethics Policy and encouragement to submit research ideas.

Collaborations: Increasing the opportunities of the students through functional MOU's.

Capacity building : Flourishing technology based skills for the faculty and staff in conducting Professional Development Programs.

Integrated Governance: Updating the policies and procedures by amendments for increasing efficiency and effectiveness.

Self reliability : Making the institute self sufficient financially for future necessities.

Sustainability: Harnessing the use of nonconventional energy resources.

Integrated development: To design diversified activities for

integrated development of the stake holders

Social services: Encouraging faculty and students to take up the socially relevant projects in academics.

Branding and Social media: Promoting institutional values, vision and mission statements at various places in and out of the campus. Effective usage of the social media and publishing newsletter and magazine.

Infrastructure: Providing state-of-art laboratories, computational facilities, digitally equipped classrooms and library

Based on the above strategic plan, specific procedures are adopted for maximizing admissions, infrastructure, placements to implement the outcome based education (OBE).

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

College Governing Body (GB): The Institution has Governing Body. It is a Policy making body of the Institution that meets frequently and discusses the agenda prepared by the promoters and the Principal. It reviews the performance of the institution and sees the status of implementation of decisions taken in the previous meeting and also approves the policy decisions.

GB is responsible to study and finalize institute strategic plan, institutional policies, code of conduct, service rules, best practices, institutional distinctiveness etc. CAC/ academic regulations and reviewing the course compositions, course structures to bring them inline with NEP -2020 and the vision of the approval and affiliating bodies.

Every BOS meet twice in a year to design the course structure ad course contents including the skill developing courses, Internships, mandatory MOOCs, CSP's etc as mentioned in academic regulations and

approve such items.

Finance committee meet twice in a year to consolidate the budget proposals submitted by the various sections/Departments of the institution and recommend the consolidated budget plans to the governing body for approval.

Other nonstatutory committees will be meeting once in three to four months and organizing events/activities with intended objectives.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	**Nil**
Upload any additional information	**No File Uploaded**

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	**No File Uploaded**
Screen shots of user inter faces	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	<u>View File</u>

6.3 - Faculty Empowerment Strategies

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

Sizable increment to the extent of Rs. 8000 is given to the faculty member if they get Doctoral Degree during their service in the Institute. The faculty member will be given promotion based on API, appraisal forms and up gradation of qualification during their service. Compensatory Casual Leaves (CCL's) for the faculty working during holidays were also provided. Valuation and university

assignments are also considered as ON Duty to extent of two weeks in a year. Institute facilitates the faculty members to attend Professional Development Programs considering it as OD, and partial financial assistance will be granted. Maternity leave is granted to woman employee for a total period of 6months out of which 1month paid leave will be considered. From the year 2019 paid medical leave is granted for corona infected staff ranging from 15-21 days with Doctor Certification. There is a provision of availability of doctor in campus and transport services for the patient in case of emergency. Few Staff wards are given fee concession in tuition fee payment towards their children fee based on their economic status. Working lunch for the bus crew, all eligible non- teaching staff are covered under EPF and ESI as per the act.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

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

10

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

1

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

96

File Description	Documents
IQAC report summary	**No File Uploaded**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

An effective performance management system plays a crucial role in managing the organization in an efficient manner. PBAS consists of category 1 : Teaching, Learning and Evaluation related activities, Category 2: Co-curricular, extension and professional development related activities, Category 3: Research and Academic contributions, Category 4: Any others

Filled in the prescribed format is assessed by the Department assessor/Department HOD scrutinized by the scrutiny. These scores are used for the award of career advancements to faculty members and for promotion to next higher position. As of now there is no PBAS for nonteaching faculty.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Internal and External audit mechanism for financial transactions are in place. Institution regularly conducts internal and external audits to evaluate the adequacy of internal control systems and management of funds. Regular auditing team checks the transactions done in the Accounts Section. Audit team reports to the Chartered Accountant on quarterly basis. On verification of all the statements, the chartered accountant finalizes the final accounts of the institution. The verification activity is outsourced to certified Chartered Accountancy Firm based in Hyderabad.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Major part of the financial inputs for the institution is through tuition fee only. By increasing the unit expenditure on students, the institution aims to improve the quality of Teaching-Learning environment and increasing the tuition fee revenues through proper submission of financial figures to the AP government. Tuition Fee fixation is done by Andhrapradesh higher education regulatory and monitoring commission(APHERMC) based on past three years expenditure. Tapping the possibilities for contribution from Philanthropists /Non- Governmental bodies /Individuals by properly projecting the institute's long term vision and growth of the institute. Alumni are motivated by convening meetings to contribute financially for the development of students by sponsoring various activities such as workshops, seminars, tech fest and etc.

The institution has classified each Department as a separate cost centre and all the expenses incurred are debited. In the beginning of each year, every Department furnishes revenue and capital budget which will be reviewed and approved by the management and Governing Body. Budget is reviewed by Treasurer, Secretary and Principal on quarterly basis. The collected funds will be utilized on priority basis viz. salaries, infrastructures upgradation, facilities maintenance and for the conduct of few important curricular, co-curricular and extracurricular activities.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

. Constitution of AMC, CSC for effective monitoring of academic related activities. 2. Feedback analysis and corrective measures 3. Review and Revise of the best practices of the institution.

4. Institutional Distinctiveness framework of the Institution by brain storming session

5. Introduction of the question paper quality by two methods

6. Questionnaire for self introspection of the faculty on their working phase in the institution.

7. Constitution of Internal Program Assessment (IPAC) and reviewing their meetings.

8. Vision and Mission of the Institute from its formation onwards.

9. Lecture series for various committees like REC, IEC etc.

10. Lectures on work etiquette and ethics.

11. Code of Conduct for the administrators, faculty, non teaching and students. 13. Encouraging students and faculty for MOOC certifications. Review of the curriculum and plan for the inclusion of the MOOC courses in the curriculum with revised guidelines. 14. Curriculum redesign, in the form of CSP's, experiential learning, outcome based education etc

15. Student Proforma at the initial phase of joining to know about their basic details, educational and family background for effective counselling.

16. IQAC has been strictly verifying appraisal forms and revised the form with necessary inclusions and criterion explanation of the marks.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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 and recorded the incremental improvement in various activities

The Internal Quality Assurance Cell has the privilege to monitor and establish the quality standards in this Institution. Since its inception, IQAC has conducted many activities to ensure quality in education, research and empowering the students on innovation and research. The institution has formulated Quality Document of the college which provides delegation and decentralization policies with transparency by involving the students and faculty in various committees. IQAC coordinator has been one of the members in the committees like CAC, results committee, , R&D committee, REC, IEC, News letter and college magazine committee etc..,. The IQAC also conducts meetings with various committees every 6 months and reviews their progress. Tracing the Question Paper quality by using two methods ICTNOS (Innovative, Creative, Theoretical, Numerical, Objective and Subjective) and the second one is based on the Blooms taxonomy levels. IPAC periodically monitors the Departmental activities and evaluates different parameters like Summarizing question paper quality, evaluating and attaining of program outcomes, arrangement of feedback response, evaluating the effectiveness of the program and proposing necessary changes. IQAC advised AMC to implement on-line feedback system from stakeholders on curriculum and on facilities in the college. After analyzing the feedback report, corrective measures will be taken.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	**Nil**
Upload e-copies of the accreditations and certifications	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Upload details of Quality assurance initiatives of the institution (Data Template)	[View File](#)

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Among the total number of students, 1009 are girls present on rolls on this institution which constitutes 36% percentage. Similarly, out of 230 faculty members, 138 are lady teachers which is well above 33 1/3%. Realizing more number of girls on rolls than the stipulated percentage, institution provides accommodation for 345 girl students when compared to 202 boys accommodated in campus hostels.

Senior lady teachers in all the Departments are appointed as female faculty advisors (FFA) for the issues pertaining to the girl students and for regular monitoring and counselling to instil proper attitude in the girls community. Only lady-guards are deployed to secure and safeguard girls' hostel premises.

Many lead positions of the administrative and academic bodies like CAC, IQAC, Examination Section, IEC etc were given to the female faculty members.

International Women's Day (IWD)- 2022 was held in a very majestic way by inviting legendary women to motivate the girl students. WEC, WPC and ICC have been functioning actively for the purpose of the fulfilment of empowering the safety of the girl students and female staff. A separate room is provided exclusively for girl students and lady faculty to take rest in case of health issues.

File Description	Documents
Annual gender sensitization action plan	**Nil**
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	**Nil**

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Since, this is a technical institution operating the equipments, computers, materials etc., and having dotted residential hostels in the campus, it is expected to get solid waste like papers, broken metallic sample pens, polythene bags, card boards, wooden pieces, PVC, concrete waste etc., in the campus. And in the hostels vegetables waste, food waste and other kitchen waste. Hence, separate containers have been located to collect e-waste, solid waste, liquid waste and biodegradable waste. More or less broken down computers, keyboards, electronic gadgets will be finely disposed to the scarp dealers once in every semester. Metallic waste, paper waste will have certain end value and hence it is collected through separate containers and given to the scrap dealers every year.Buffalo farms are available in the nearby villages and the owners will come to the hostels twice a day and collect food and vegetable waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	No File Uploaded

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	[View File](#)
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the

B. Any 3 of the above

following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	**No File Uploaded**
Certification by the auditing agency	**No File Uploaded**
Certificates of the awards received	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading   **B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Policy documents and information brochures on the support to be provided	**No File Uploaded**
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The Institute has an NSS unit through which the students will

actively participate in various service activities like regular blood donation camps, plantation, rallies on health awareness, diabetic medical drive in association with Sankalpa hospital for the villagers of Venkatapuram. The College also encourages the students to participate in various cultural and literary activities like Annual day, Fresher's day and nationallevelfests, NrityaAmeya where in which the students can exhibit various dancing styles to bring out the artistic talent among the students.

Community Service Projects (CSP's) serve as a building pathway between the students and people in the community. As a part of curriculum, many projects were carried out in various local communities, suburbs, orphanages, schools etc with the support of voluntary organizations like Rotary international, RASS, Gandhi foundation, well being of the waste (WOW) etc. In association with ISKCON, institution arranged spiritual awareness sessions and the importance of spirituality and gain tolerance and harmony on the aspects of communal harmony. Universal Human Values (UHV) has made a mandatory credited in the curriculum at second level of UG programs with the objective of enhancing its psychological strength to maximize focus on ethical values in academics and career.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

One course called Constitution of India has been introduced in AK20 regulations applicable for the batches admitted from 2020-21 both in UG and PG has non credited mandatory course with an internal evaluation. The outcomes of course are 1. Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics. 2. Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India. 3. Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution. 4. Discuss the passage of the Hindu Code Bill of 1956. 5. Understand the premises

informing the twin themes of liberty and freedom from a civil rights perspective.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	**Nil**
Any other relevant information	**Nil**

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized   **A. All of the above**

File Description	Documents
Code of ethics policy document	[View File](#)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Institution organized various programs on national festivals and also birth/death anniversaries of the great Indian personalities for remembrance.

Mathematics Day was celebrated on 22nd December 2021. On this occasion Management, Principal, Faculty and students felicitated one of the senior faculty Dr. V. Somasekhar Srinivas, Associate Professor of Mathematics.

73rd Republic Day celebrations was held at AITS Tirupati campus on 26th January 2022 with lots of enthusiasm and patriotism. The Management, Principal, Faculty and the students flashbacked on the legends who spared their lives during Indian Independence Movement.

National Science day was celebrated in the campus on 28th February 2022. Dr. T. Rajendra Prasad, Sr. Scientist, NARL, Gadanki was the Chief guest for this event. The theme of 2022 National science day: "Integrated Approach in Science and Technology for a Sustainable Future".

75th Independence Day celebrations was held at AITS Tirupati campus on 15th August 2022 with lots of enthusiasm and patriotism. The Chief Guest Ex.Colonel G.ChandraSekhar Naidu attended on this occasion and hosted the Flagand addressed the students. Different competitions like quiz, elocution, games and sports were conducted and prizes were distributed on commemorative days.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	**No File Uploaded**
Geo tagged photographs of some of the events	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Title:

Outcome Based Education (OBE)

Objectives:

- **To make the student perfect fit to the industry in terms of skills, values and ethics, understand the outcomes of his/her program at the time of entry itself with student centric environment.**

The Practice:

The following steps have been taken for the implementation of the OBE in the Institute.

- **Design of curriculum (OBC): To State outcomes of teaching like Industry Requirements, NEP-2020, Revised Academic Curriculum: AP Govt., Framing of CO's and mapping it with relevant PO's.**
- **Teaching-Learning Process (OBTL): To teach to increase the likelihood of most students achieving the outcomes; Blended mode of learning, Collaborative Learning Classes, Project based learning, Guest lectures by eminent personalities.**
- **Assessments (OBA): To Assess how well the outcomes have been achieved using authentic assessment. CIE, SEE and exit survey.**

Title: Counseling Process

Objectives:

- **To address the emotional, social and behavioral needs of the students, shape a student's behavior and also instil enough discipline in them**

The Practice:

A unique counselling process is followed wherein counselling proforma developed which contains preliminary data of students. Each faculty is allocated 20 students as a counsellor with an objective to constantly follow student progress and accordingly suggest changes in case of deviations.

File Description	Documents
Best practices in the Institutional website	https://aits-tpt.edu.in/iqac/#Best-Practices
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The college aims that the locational distinctiveness establishment

of the academic buildings and the residential hostels are located in the foothills of Seshachala hills (Tirumala hills), thereby leading the students and the faculty to work in peaceful environment. The following multidimensional educational system is aimed to develop the holistic development of the students.

Intellectual: Designing the OBE oriented curriculum, Updating and revising the curriculum to meet the global requirements, Visualising the career opportunities and approach towards achieving them, Exploration of Knowledge through various modes of learning/Research like Nptel, Microsoft certification, community service projects etc., Innovation and Entrepreneurship through EISC, MSME business incubator, MOU's etc, student clubs etc. Physical education of the students are lead by regular sports and yoga activities. Societal education includesBlood Donation, Vaccination drive, Drug awareness program, Motivational programs for girl students by Women Empowerment/Protection cellEmotional education is elevated by means of Mentor-Mentee system, Universal Human Values (UHV),a 3 credit course has been introduced in the curriculum to develop positive emotions in the students.To teach the values of Eco friendliness,Usage of solar energy in the campus and plantation programs were widely held. Innovativeness in education is held by initiatingNewsletter and Newsmagazine, Campus radio, Short film/you tube videos makingcompetitions.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Institution obtained UGC autonomous in the year 2019-20 for 10 years and for all the batches of students admitted from 2019-20, the curriculum has been designed by the institution through its Boards of Studies (BOS) and the academic regulations aremodified strictly in accordance with the National Education Policy and the 'Revised Academic Curriculum' of AP State Council of Higher Education (APSCHE) of AP Government. Timely addition of new laboratories/equipments have been done based on curricular requirements. New titles of text books for reference and text books for issue are added every year on the recommendations of the library committee. Based on the academic calendars advised by AICTE and State Government and the Affiliating University, detailed academic calendar for both odd and even semesters are being prepared, with the particulars like instruction start date, instruction end date, internal examinations and external examination schedules etc., Academic monitoring committees constituted in the departments will Check the quality and progress of teaching learning systems collects and analyze the feedback and corrective measures will be taken. The faculty members use ICT tools in their lectures to make learning process more effective. Lesson plans and Course File is to be maintained by every faculty.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Keeping in view of the academic calendar suggested by AICTE and

based on the admission counselling schedules followed by the state Government, academic calendar normally will be prepared by the institution which has been inline with those of many universities.

Academic Calendar prepared by the institution ensures the minimum instruction days of 80-90 per semester and two slots in the semester to conduct internal examinations, one in the middle and another just before SEE schedule. Care will be excercised in sparing adequate number of instruction days before each of the internal series so that days spared are enough to complete the delivery of 50% syllabus for the 1st mid and remaining for 2nd mid.

File Description	Documents
Upload relevant supporting document	No File Uploaded
Link for Additional information	Nil

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University	A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	No File Uploaded

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

14

File Description	Documents
Any additional information	**No File Uploaded**
Minutes of relevant Academic Council/ BOS meetings	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

0

File Description	Documents
Any additional information	**No File Uploaded**
Brochure or any other document relating to Add on /Certificate programs	**No File Uploaded**
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

0

File Description	Documents
Any additional information	**No File Uploaded**
Details of the students enrolled in Subjects related to certificate/Add-on programs	**No File Uploaded**

1.3 - Curriculum Enrichment

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

The curriculum is reviewed and updated in the meetings of every Board of Studies of various programs in 2021-22 on various aspects by the Institution which includes the following subjects in UG curriculum in the course structure.

Environmental Studies course main objective is to make the students to get awareness on environment and ecosystems. Universal Human Values a 3 credited course includes the self-exploration, society and harmony in the family and society, strengthening of self-reflection etc. Biology for Engineers course in the curriculum to gives basic understanding about the bio diversity and life process to provide insight to the student. Constitution of India is a mandatory course introduced with the objective of imparting knowledge on to the framework of Indian constitution. Research Methodology and IPR course in PG curriculum which includes various methods and models of research with basic concepts of copyright laws and patents as a professional core subject. Soft skills and Principles of effective public speaking: skill oriented courses with 2 credits enhances the LSRW speaking skills. Technical writing with 2 credits enhances creative skills like creating templates, video CVs, etc. Community Service Projects make the students reach out the communities and help them.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	No File Uploaded

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

12

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	No File Uploaded
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

594

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above

File Description	Documents
URL for stakeholder feedback report	https://aits-tpt.edu.in/iqac/#Feedback
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	https://aits-tpt.edu.in/iqac/#Feedback

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

947

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

518

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

1. Instilling the counselling/ Mentor-Mentee system. A group of 20 students are assigned to a faculty cum mentor.
2. Proforma for the counselling system has been developed with

the three parts consisting of Personal details, Educational/Study habits and Social Ethics/Social Responsibilities. This proforma helps the mentor to identify the key abilities, strengths and weaknesses of the students for further mentoring.

3. The mentor regularly monitors the group of students assigned to him /her to check their academic progress and follow up in case of any deviations in academics and regulate the students for constant improvement.

4. The mentor maintains complete academic record of four years like attendance secured, marks scored in internal and external exams. By this process, Slow/Struggled learners and Advanced achievers can be identified by the mentor.

   ○ Motivational sessions are conducted every semester, once or twice, by external Experts/professionals to improve psychological mind sets of students that help to analyse problems and to regularize them.

Strategies adopted for slow/struggled learners:

- Organization of remedial and tutorial classes which comprises of the repetition of critical topics for better understanding, maintaining quality circle: with weak learners along with advanced learner.
- Mind mapping techniques
- Daily attendance is reported to the parents through phone calls.

Strategies adopted for Advanced Achievers:

Participation in classroom, Department and college association activities such as seminars and quizzes and fast achievers are encouraged in innovative platforms like College Student council activity, technical fora and hackathons etc.,

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2693	226

File Description	Documents
Any additional information	No File Uploaded

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

Experiential Learning is achieved through Internship Programs, Hands-on-workshops, skill development programs, internship programs, social relevant projects, mini projects and major projects. AP state skill development corporation (APSSDC) conducts skill development programmes through external trainers on emerging technologies in the skill development labs established in the campus by the AP Govt. Hands-on-workshops/Labs, coding competitions by clubs are also being scheduled on the regular basis. The institution has associated with Microsoft certifications to learn online courses, attend proctored examinations online and through this nearly 425 certificates for both students and faculty in the AY 2021-22.Students and faculty are encouraged to enrol and clear NPTEL online courses. Collaborative learning practices are scheduled in the regular time tables itself to organize activities like jig-saw, Flipped class etc in the classroom. During Tutorial hours, Analytical Problems are given to students and the solutions are reviewed by the faculty. In the project work, four to five students as a group work on the solutions for an Engineering problems, analysis of case studies which provides in depth knowledge on the subject and decision making capability among the students.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

- Microsoft Teams software is the official platform followed by the Institution for all the students. Blended mode of teaching has been adopted to speed up the academics and also for conducting the revision and remedial classes.
- Along with chalk and talk, the faculty members who teach subjects like Engineering drawing, Machine drawing and Production drawing use specific softwares for better visualization of the drawings. Usage of the graphic tablet for these subjects while online teaching helps the students to understand and ensure for better learning of topics.
- Apart from the traditional black board teaching, animations/videos are also shown to the students for many subjects like basic sciences, Computer Networks, Digital Image Processing and Satellite Communications for better understanding.
- e-content for the courses can be downloaded from the institute's website.
- You tube videos of the courses have been uploaded in the faculty you tube channels which is shared to the students to find it helpful while revising the course contents.
- SWAYAM web links for various curricular topics are suggested to students by the respective teachers.
- Institute has agreed with APSCHE to use its LMS portal to go-through the e-content being posted by the subject experts and to facilitate students to register and complete virtual internships (experiential learning) and to register, learn the content and take proctored examinations for getting online certifications for the skills like Microsoft Technology Associate (MTA) and Microsoft Certified Fundamentals (MCF)

File Description	Documents
Upload any additional information	[View File]()
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	No File Uploaded

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

222

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	**No File Uploaded**
Circulars pertaining to assigning mentors to mentees	[View File](#)
Mentor/mentee ratio	**No File Uploaded**

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

230

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	[View File](#)
Any additional information	**No File Uploaded**
List of the faculty members authenticated by the Head of HEI	**No File Uploaded**

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

30

File Description	Documents
Any additional information	**No File Uploaded**
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	[View File](#)

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1007

File Description	Documents
Any additional information	**No File Uploaded**
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	[View File](#)

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

From the date of internal examination, the faculty has been notified to complete the evaluation within 4 days and allow all the students to verify their answer scripts and if not satisfied with the assessment, a student can discuss with the concerned course teacher and get justification.

Scrutiny by the examinations coordinator under the control of controller of exams (COE) is normally organized on a sample of answer scripts and the assessment gains the acceptance based on criterion.

Once the internal marks are finalized, concerned course teacher post the data in the required format in the examination branch and in the concerned Department computing systems, details of the internal marks will be displayed in notice boards and circulated through whatsapp groups, and this facilitates the students to respond on any error display and for further errata.

File Description	Documents
Any additional information	**No File Uploaded**
Link for additional information	**Nil**

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

Students have an option to submit the grievance related to the internal examination assessment through offline in the form of a written statement. The grievance will be studied by the officer academic section and the Head of the Department jointly and will be redressed through the team within the time frame.

File Description	Documents
Any additional information	**No File Uploaded**
Link for additional information	**Nil**

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

The course objectives, expected course outcomes and expected Program Outcomes are clearly defined through Department level committees like Internal Program Assessment Committee (IPAC), Academic Monitoring Committee (AMC) and the COs defined in the curriculum are once again reviewed, verified and modifications if any, are suggested by the BOS.

The Program Outcomes are displayed on the Department Notice Board and in the College Website: http://aits-tpt.edu.in/ The faculty members are advised to ensure that the objectives of the particular course are fulfilled during the instruction period. For every subject, Syllabus and Course Outcomes are clearly specified by the course teachers to the students at the beginning of the semester to strengthen the outcome based education . The Course Outcomes of the Laboratories are displayed inside the lab halls Laboratories, and also posted in the website.

In addition to this, the lesson plan of course contains the COs and the learning outcomes and each class is marked according to the learning outcomes. Course outcomes of laboratory courses are published in the respective laboratory and in the lab Manual.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional information	https://aits-tpt.edu.in/electronics-and-communication-engineering-2/#PEOs-PSOs-POs-and-COs
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Direct methods are provided through direct examinations against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to CIE and SEE question papers. Two Internal Examinations are conducted in a semester and the faculty records the performance of each student against course outcome. Direct Assessment for COs = University Examinations (70%) + Internal Examinations (30%). Indirect assessments of COs are done at semester end by collecting the survey forms from students on achievements of COs. CO Assessment = 90% of direct assessment + 10% of indirect assessment. If assessments did not reach the targets then action plan has to be devised to improve the attainments for the next semester. Else, targets have to be raised for the subject in next time when the course appears. The program outcomes are assessed with the help of course outcomes of the relevant courses through direct and indirect methods. Direct assessment = Average of all COs that are mapped to a particular PO. Indirect (RUBRICS) assessments are achieved by collecting student feedback on POs at the end of semester. PO Attainment at semester level = 80% of Direct assessment + 20% of CO attainment Final attainment at batch level = 80% from PO attainment + 20% from Exit Survey.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional information	**Nil**

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

557

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://aits-tpt.edu.in/iqac/#Student-Satisfaction-Survey

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

NIL

File Description	Documents
Any additional information	**No File Uploaded**
e-copies of the grant award letters for sponsored research projects /endowments	**No File Uploaded**
List of endowments / projects with details of grants(Data Template)	[View File](#)

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

9

File Description	Documents
Any additional information	**No File Uploaded**
Institutional data in prescribed format	[View File](#)

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

0

File Description	Documents
List of research projects and funding details (Data Template)	[View File](#)
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	**No File Uploaded**
Paste link to funding agency website	**Nil**

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institution has established following centres of excellence in the campus to maximize innovative ecosystem. R & D Committee convenes meetings regularly to give alerts, share notifications for preparing funding proposals and provide technical assistance to the eligible members for submitting the proposals. The objectives of research committee is to encourage non doctoral faculty to register in to Ph.D. programme of their disciplines, ethical submission of research work by the faculty and students.

The Centres of Excellence like Zensar Center of Excellence, Hexaware Segue, Ziroh labs and EPAM have stated in the campus to impart special skills on the emerging technologies to the students to get prospective careers. Interactions through Industry Interaction Cell prosper the students to get Internships, permissions for plant visits in their company. Entrepreneurship Innovations and Start-up Centre encourages the students and staff towards innovations, skilling programs and

startups. AITS Business incubator is functional to support the idea of students and wannable entrepreneurs for funding to the agencies. AITS campus radio with an objective for reaching the students through a secured multi layer interactive platform to give the experience infotainment. College Newsletter and magazine publishes the content related to the Programs, events, creative talents, mega events etc.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

2

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

1

File Description	Documents
URL to the research page on HEI website	**Nil**
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	[View File](#)
Any additional information	**No File Uploaded**

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

54

File Description	Documents
Any additional information	**No File Uploaded**
List of research papers by title, author, department, name and year of publication (Data Template)	[View File](#)

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

27

File Description	Documents
Any additional information	**No File Uploaded**
List books and chapters edited volumes/ books published (Data Template)	[View File](#)

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The following extension activities have been carried out by NSS:

Eye Checkup Camp at Venkatapuram Village: Sankalpa Hospital Tirupati their team arrived at village. About 70 villagers were checked their BP and Random Diabetic Levels problems and free medication were given to villagers.

Girls Self-defense Program:

NSS Unit of AITS on the part of Special camp given a one-day training to ZPHS school girl students of all classes. Trainers from Naveen Martial Arts visited the school and given training on self defence. About 300 school students and NSS volunteers takes part in it.

Going Green Plantation Programme: Tree Plantation Programme done at Venkatapuram on 26-3-2022 and 27-03-2022, around 150 saplings are planted around at Venkatapuram village.

Sanitization Drive: Sanitization Drive was conducted at Venkatapuram Village to eradicate mosquitoes. The NSS Volunteer groups are splitted throughout the village and sanitizes the village.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

0

File Description	Documents
Any additional information	**No File Uploaded**
Number of awards for extension activities in last 5 year (Data Template)	[View File](#)
e-copy of the award letters	**No File Uploaded**

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

11

File Description	Documents
Reports of the event organized	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	[View File](#)

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

800

File Description	Documents
Report of the event	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	[View File](#)

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

0

File Description	Documents
e-copies of related Document	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Collaborative activities with institutions/industries for research, Faculty	[View File](#)

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

6

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	[View File](#)

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institution has sufficient number of well-furnished, well-ventilated, spacious class rooms forconducting theory classes. Better aspect ratio is maintained for proper visibility of black

board and audibility. All the Departments are provided with sufficient number of LCD projectors, Wi-Fi and LAN enabled internet connectivity. All laboratories are well equipped, and well maintained not only for carrying out curriculum oriented practicals, but also for learning beyond coursework. .Funded Skill Development Labs – AP Government through its APSSDC established two labs viz., i) AP CM's Skill Excellence Centre, ii) Dassaults Design Computing Lab of worth Rs.1 Crore.iii) Unmanned Aerial Technology (UAV), Drone Technology lab where training has been given to the faculty and the students on the fundamentals of aviation to the flying a drone.

A/C Auditorium with 800 seating capacity with built-in audio-visual system. Conference hall with a seating capacity 40 for the official meetings etc and e-classroom with 150 seating capacity for conducting seminars, lectures etc.

The central library is equipped with adequate infrastructure, e-resources, internet facility for the usage of browsing e-journals, visualizing and listening to MOOC courses, you tube videos etc. The Departmental libraries houses seminar reports, thesis reports, reference books, textbooks for the faculty & students.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	**Nil**

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

The Institute is committed to create a balanced atmosphere of academic, cultural and sports activities for the overall personality development of its students. Play grounds are available for outdoor games like Cricket, Volley ball, Tennicoit and Throw ball. Facilities for the indoor games like Chess, Caroms etc, are provided to students in the college campus. Various sports competitions such as Inter departmental, Inter collegiate, Inter University, etc help in developing team spirit and leadership in the students. Winners of the competitions are honoured with medals, trophies and certificates. Separate trainers with requisite qualifications are available for the students. Students are encouraged to participate in college level

and intercollegiate level sport events.College encourages the students to practice gym after college hours. The College also encourages the students to participate in various cultural and literary activities to make the students excel in their fields of interest. Institute conducts the various cultural activities like Annual day, Fresher's day and national level fests to explore student talents. The Institute organizes yoga classes for the student and faculty periodically by the yoga masters. Institute takes support from ISKCON to conduct spiritual awareness programs.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

14

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

14998712

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	**No File Uploaded**
Upload Details of budget allocation, excluding salary during the year (Data Template	[View File](#)

4.2 - Library as a Learning Resource

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

Total Library Software System (TLSS) is full-featured Library software. It is windows-based licensed software. Modules of the system include: Library Guidelines, Acquisition, Accession, Circulation, Members, Staff, Stock, OPAC and Reports. TLSS is fully-automated software and is implemented. The reports that can be generated are: Stock Checking & Verification Report, Annual report in order of Author/Subject/Publisher/Accession Number/Title etc., List of books, List of Reserved Books as on date, List of Issuable/Non-Issuable Books/Journals etc., Library Member List, Daily Transaction Reports and many other formats are also available.

Digital library which is a part of the central library with intranet and internet access of 115 Mbps. Access to e-journal publications like IEEE, J-Gate, Delnet and Knimbus and e-books of EBSCO (e-books Engineering core). There are 20 computer terminals to access internet/e-learning resources. The digital library also holds 150 general educational CD's of Engineering subjects.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional Information	**Nil**

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources	**A. Any 4 or more of the above**

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

1710430

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	**No File Uploaded**
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

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

250

File Description	Documents
Any additional information	**No File Uploaded**
Details of library usage by teachers and students	**No File Uploaded**

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

AITS, Tirupati has clear policy regarding IT and has been always in the forefront adopting technologies and providing consistent IT enabled service to all its stakeholder's. IT policy has been laid down by the institution. This policy establishes college-wide strategies and responsibilities for protecting the

confidentiality, integrity and availability of the information assets that are accessed, created, managed/controlled by the college. The policy provides a framework on the use of IT infrastructure and also lays down Vision and Mission. IT also outlines a mechanism for establishing and maintaining the proper infrastructure in the campus and has appropriate budgetary provision for expansion and updating its IT facilities including wi-fi.

Hardware Infrastructure Available:

Computers: 882

Servers: 3 NO.'s

Projectors : 30 NO.'s

Printers: 25 NO.'s

Networking Infrastructure:

LAN (1000 nodes)

Wi-Fi network 25 access points

Active and Passive components for networking

Core Switch

Firewall Security System, internet applications

The Institution has campus network and Wi-Fi facility with around 1000 nodes. BSNL Hy-Fi Giga networks are available for faster and efficient connectivity. Old and outdated computers are upgraded/scrapped periodically and consistent addition of computers, printers, LCDs and required software's is taking place.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.3.2 - Number of Computers

882

File Description	Documents
Upload any additional information	**No File Uploaded**
List of Computers	**No File Uploaded**

4.3.3 - Bandwidth of internet connection in the Institution	**A. ? 50MBPS**

File Description	Documents
Upload any additional Information	**No File Uploaded**
Details of available bandwidth of internet connection in the Institution	**No File Uploaded**

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

7340292

File Description	Documents
Upload any additional information	**No File Uploaded**
Audited statements of accounts	**No File Uploaded**
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	[View File](#)

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.

The institute has adequate number of computers with internet in various location points like library, departments, examination section, offices, e-classrooom, auditorium etc. The central computer lab connected with LAN is open for the students which will be maintained by the allotted staff and technicians. System

analyst takes care of all maintenance services. Calibration of the equipment/instruments is taken up by the respective Departments frequently and in case of any damage/deviation, necessary steps are initiated by calling the technicians from the supplier. The Blackboard, furniture and electrical appliances in the class room are checked regularly and replaced if needed. Budget allocation, arranging the books, books to be bounded in case of wear and tear will be supervised by Librarian and staff.. Transportation in-charge provide proper maintenance to the college buses, clearance certificates, regular checking of the condition of the vehicles with experienced drivers. Electrical Maintenance Plumbing maintenance, gardening, house keeping etc will be under the supervision of the facilities service section engineer. Regular log books are maintained for all the facilities and Institute have standard equipment policy and maintenance procedures.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

1863

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

1863

File Description	Documents
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	[View File](#)

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills	**A. All of the above**

File Description	Documents
Link to Institutional website	**Nil**
Any additional information	**No File Uploaded**
Details of capability building and skills enhancement initiatives (Data Template)	[View File](#)

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

941

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

941

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<u>View File</u>

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees	**A. All of the above**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<u>View File</u>
Upload any additional information	**No File Uploaded**
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

270

File Description	Documents
Self-attested list of students placed	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of student placement during the year (Data Template)	[View File](#)

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

7

File Description	Documents
Upload supporting data for student/alumni	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of student progression to higher education	[View File](#)

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

3

File Description	Documents
Upload supporting data for the same	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	[View File](#)

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as

one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

3

File Description	Documents
e-copies of award letters and certificates	**No File Uploaded**
Any additional information	**No File Uploaded**
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Student is an important stakeholder of the institution and hence are nominated as members of various committees. Student Representative Committee is comprised of Lady Representative (LR) and Class Representative (CR) from each section to coordinate various activities as well as to discuss any Departmental and academic issues. College Student Council (CSC) is formed at the beginning of every academic year with CR's and LR's of various sections for all the programs. Regular CSC meetings will be held to discuss the issues pertaining to teaching-learning system. Anti-Ragging Committee is constituted at the beginning of every academic year with members as Principal, Head(s) of Departments, Senior Faculty Members and students representing II, III and IV years respectively. Student representative has been found in nonstatutory committees like IQAC, IEC, Sports and Library Committees. Student Volunteers are also part of NSS unit to serve the community. Professional Societies like ISTE, IEEE, IETE and CSI chapters found in the institution have student representatives as office bearers. Clubs like C programming, Database Technologies Club (DTC), Java club, Python and Coding clubs have student representation/ active participation for their academic skills whereas Oratory club, Literary club and EISC uplifts the holistic development of the students.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

11

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	[View File](View%20File)

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

The alumni association of the Institute started in the year 2011 with name AITS ALUMNI ASSOCIATION. It is an inspiration for student community in terms of their ethical values in supporting the parent institution. Alumni coordinators and senior faculty of all the Departments participate in all the annual alumni meetings on invitation and seek the alumni advice and support for the development of the institution in terms of curriculum in view of industrial needs, latest technology, knowledge sharing etc. Strong social networks like facebook, twitter etc with the alumni has been established. Short term workshops and webinars were conducted by the office bearers of the alumni association. The Association is able to capture the internship opportunities, industrial training, and placement opportunities to the students in the industry where alumni are working. The interested outgoing

students may express their interest to join Alumni association through the form in the college website.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

5.4.2 - Alumni contribution during the year (INR in Lakhs)

E. <1Lakhs

File Description	Documents
Upload any additional information	**No File Uploaded**

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The Governance of the institution is strictly in accordance with the Vision, Mission of the institution and institutional policies approved in accordance with strategic development for the institution and the norms, standards, systems and practices laid down by AICTE, JNTUA, Government of Andhra Pradesh, state Council for Higher Education along with the suggestions from GB and CAC. OBE Strategies like Peer Group Discussions, Collaborative Leaning Classes (CLC's) are organized; Virtual classes, usage of APSCHE LMS portal for virtual internships and certification programs are conducted to enhance the academic performance of the students. Community Service Projects (CSP's) has become now a compulsory credited course by which the student is allowed to visit the community (rural habitats, suburbans, orphanages, hospitals, Govt. schools etc), understand the problems, conduct the general socio-economic survey and the domain survey and integrating the best solutions with the communities and providing the needy service. Induction Programmes are organized to pre-final and final students by arranging expert lectures by technocrats and successful leaders from outside organizations to provide career guidance and to understand the industrial environments and work places. Prospective Alumni were invited to give lectures/seminars/webinars on the academic topic of their interest to inspire the young minds.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

Decentralized governance system with well defined inter relationships are available in the institute. Governing Body comprises of Chairman, Members nominated by trust, Secretary, Member nominated by JNTUA, Member nominated by AP government with Principal as member secretary. Principal is authorized signatory for all the sanctions and payments, subjected to the approval by the Honorable Secretary of the Institute. Budget approvals and utilization for the transactions are maintained in order. Budget is proposed individually by the Head(s) of the Department based on the academic requirements at the beginning of the academic year. After careful consideration, Principal after discussion with the Management approves the budget for all the departments. Utilization of the approved budget by each Department will be submitted to the principal for scrutiny at the end of the academic year. The Principal will have meetings with HOD's to discuss for the conduct of various Academic / Co-Curricular / Extra Curricular activities.Feedback monitoring committee constantly monitors the feedback of the curriculum, teaching learning process with the students and necessary actions will be taken in case of deviations. Antiragging committee composition reveal that a few students, a few non-teaching staff, teaching staff, a few from parents are also members in them.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The Strategic plan is made by institution to accomplish holistic development of the stake holders.

Academic Eminence: Revising course curriculum with high standards and industry based requirements, strong feedback mechanism from stakeholders.

Innovative Research: Implementing Institute's Research Ethics Policy and encouragement to submit research ideas.

Collaborations: Increasing the opportunities of the students through functional MOU's.

Capacity building : Flourishing technology based skills for the faculty and staff in conducting Professional Development Programs.

Integrated Governance: Updating the policies and procedures by amendments for increasing efficiency and effectiveness.

Self reliability : Making the institute self sufficient financially for future necessities.

Sustainability: Harnessing the use of nonconventional energy resources.

Integrated development: To design diversified activities for integrated development of the stake holders

Social services: Encouraging faculty and students to take up the socially relevant projects in academics.

Branding and Social media: Promoting institutional values, vision and mission statements at various places in and out of the campus. Effective usage of the social media and publishing newsletter and magazine.

Infrastructure: Providing state-of-art laboratories, computational facilities, digitally equipped classrooms and library

Based on the above strategic plan, specific procedures are adopted for maximizing admissions, infrastructure, placements to implement the outcome based education (OBE).

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

College Governing Body (GB): The Institution has Governing Body. It is a Policy making body of the Institution that meets frequently and discusses the agenda prepared by the promoters and the Principal. It reviews the performance of the institution and sees the status of implementation of decisions taken in the previous meeting and also approves the policy decisions.

GB is responsible to study and finalize institute strategic plan, institutional policies, code of conduct, service rules, best practices, institutional distinctiveness etc. CAC/ academic regulations and reviewing the course compositions, course structures to bring them inline with NEP -2020 and the vision of the approval and affiliating bodies.

Every BOS meet twice in a year to design the course structure ad course contents including the skill developing courses, Internships, mandatory MOOCs, CSP's etc as mentioned in academic regulations and approve such items.

Finance committee meet twice in a year to consolidate the budget proposals submitted by the various sections/Departments of the institution and recommend the consolidated budget plans to the governing body for approval.

Other nonstatutory committees will be meeting once in three to four months and organizing events/activities with intended objectives.

File Description	Documents
Paste link for additional information	Nil
Link to Organogram of the institution webpage	Nil
Upload any additional information	No File Uploaded

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	No File Uploaded
Screen shots of user inter faces	No File Uploaded
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	[View File](#)

6.3 - Faculty Empowerment Strategies

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

Sizable increment to the extent of Rs. 8000 is given to the faculty member if they get Doctoral Degree during their service in the Institute. The faculty member will be given promotion based on API, appraisal forms and up gradation of qualification during their service. Compensatory Casual Leaves (CCL's) for the faculty working during holidays were also provided. Valuation and university assignments are also considered as ON Duty to extent of two weeks in a year. Institute facilitates the faculty members to attend Professional Development Programs considering it as OD, and partial financial assistance will be granted. Maternity leave is granted to woman employee for a total period of 6months out of which 1month paid leave will be considered. From the year 2019 paid medical leave is granted for corona infected staff ranging from 15-21 days with Doctor Certification. There is a provision of availability of doctor in campus and transport services for the patient in case of emergency. Few Staff wards are given fee

concession in tuition fee payment towards their children fee based on their economic status. Working lunch for the bus crew, all eligible non- teaching staff are covered under EPF and ESI as per the act.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

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

10

File Description	Documents
Upload any additional information	**No File Uploaded**
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

1

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	**No File Uploaded**
Reports of Academic Staff College or similar centers	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

96

File Description	Documents
IQAC report summary	**No File Uploaded**
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

An effective performance management system plays a crucial role in managing the organization in an efficient manner. PBAS consists of category 1 : Teaching, Learning and Evaluation related activities, Category 2: Co-curricular, extension and

professional development related activities, Category 3: Research and Academic contributions, Category 4: Any others

Filled in the prescribed format is assessed by the Department assessor/Department HOD scrutinized by the scrutiny. These scores are used for the award of career advancements to faculty members and for promotion to next higher position. As of now there is no PBAS for nonteaching faculty.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Internal and External audit mechanism for financial transactions are in place. Institution regularly conducts internal and external audits to evaluate the adequacy of internal control systems and management of funds. Regular auditing team checks the transactions done in the Accounts Section. Audit team reports to the Chartered Accountant on quarterly basis. On verification of all the statements, the chartered accountant finalizes the final accounts of the institution. The verification activity is outsourced to certified Chartered Accountancy Firm based in Hyderabad.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

0

File Description	Documents
Annual statements of accounts	**No File Uploaded**
Any additional information	**No File Uploaded**
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<u>View File</u>

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Major part of the financial inputs for the institution is through tuition fee only. By increasing the unit expenditure on students, the institution aims to improve the quality of Teaching-Learning environment and increasing the tuition fee revenues through proper submission of financial figures to the AP government. Tuition Fee fixation is done by Andhrapradesh higher education regulatory and monitoring commission(APHERMC) based on past three years expenditure. Tapping the possibilities for contribution from Philanthropists /Non- Governmental bodies /Individuals by properly projecting the institute's long term vision and growth of the institute. Alumni are motivated by convening meetings to contribute financially for the development of students by sponsoring various activities such as workshops, seminars, tech fest and etc.

The institution has classified each Department as a separate cost centre and all the expenses incurred are debited. In the beginning of each year, every Department furnishes revenue and capital budget which will be reviewed and approved by the management and Governing Body. Budget is reviewed by Treasurer, Secretary and Principal on quarterly basis. The collected funds will be utilized on priority basis viz. salaries, infrastructures upgradation, facilities maintenance and for the conduct of few important curricular, co-curricular and extracurricular activities.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	**No File Uploaded**

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

. Constitution of AMC, CSC for effective monitoring of academic related activities. 2. Feedback analysis and corrective measures 3. Review and Revise of the best practices of the institution.

4. Institutional Distinctiveness framework of the Institution by brain storming session

5. Introduction of the question paper quality by two methods

6. Questionnaire for self introspection of the faculty on their working phase in the institution.

7. Constitution of Internal Program Assessment (IPAC) and reviewing their meetings.

8. Vision and Mission of the Institute from its formation onwards.

9. Lecture series for various committees like REC, IEC etc.

10. Lectures on work etiquette and ethics.

11. Code of Conduct for the administrators, faculty, non teaching and students. 13. Encouraging students and faculty for MOOC certifications. Review of the curriculum and plan for the inclusion of the MOOC courses in the curriculum with revised guidelines. 14. Curriculum redesign, in the form of CSP's, experiential learning, outcome based education etc

15. Student Proforma at the initial phase of joining to know about their basic details, educational and family background for effective counselling.

16. IQAC has been strictly verifying appraisal forms and revised the form with necessary inclusions and criterion explanation of the marks.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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 and recorded the incremental improvement in various activities

The Internal Quality Assurance Cell has the privilege to monitor and establish the quality standards in this Institution. Since its inception, IQAC has conducted many activities to ensure quality in education, research and empowering the students on innovation and research. The institution has formulated Quality Document of the college which provides delegation and decentralization policies with transparency by involving the students and faculty in various committees. IQAC coordinator has been one of the members in the committees like CAC, results committee, , R&D committee, REC, IEC, News letter and college magazine committee etc..,. The IQAC also conducts meetings with various committees every 6 months and reviews their progress. Tracing the Question Paper quality by using two methods ICTNOS (Innovative, Creative, Theoretical, Numerical, Objective and Subjective) and the second one is based on the Blooms taxonomy levels. IPAC periodically monitors the Departmental activities and evaluates different parameters like Summarizing question paper quality, evaluating and attaining of program outcomes, arrangement of feedback response, evaluating the effectiveness of the program and proposing necessary changes. IQAC advised AMC to implement on-line feedback system from stakeholders on curriculum and on facilities in the college. After analyzing the feedback report, corrective measures will be taken.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for	A. All of the above

improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

File Description	Documents
Paste web link of Annual reports of Institution	**Nil**
Upload e-copies of the accreditations and certifications	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Upload details of Quality assurance initiatives of the institution (Data Template)	[View File](#)

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Among the total number of students, 1009 are girls present on rolls on this institution which constitutes 36% percentage. Similarly, out of 230 faculty members, 138 are lady teachers which is well above 33 1/3%. Realizing more number of girls on rolls than the stipulated percentage, institution provides accommodation for 345 girl students when compared to 202 boys accommodated in campus hostels.

Senior lady teachers in all the Departments are appointed as female faculty advisors (FFA) for the issues pertaining to the girl students and for regular monitoring and counselling to instil proper attitude in the girls community. Only lady-guards are deployed to secure and safeguard girls' hostel premises.

Many lead positions of the administrative and academic bodies like CAC, IQAC, Examination Section, IEC etc were given to the female faculty members.

International Women's Day (IWD)- 2022 was held in a very majestic way by inviting legendary women to motivate the girl students. WEC, WPC and ICC have been functioning actively for the purpose

of the fulfilment of empowering the safety of the girl students and female staff. A separate room is provided exclusively for girl students and lady faculty to take rest in case of health issues.

File Description	Documents
Annual gender sensitization action plan	Nil
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	Nil

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	No File Uploaded
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Since, this is a technical institution operating the equipments, computers, materials etc., and having dotted residential hostels in the campus, it is expected to get solid waste like papers, broken metallic sample pens, polythene bags, card boards, wooden pieces, PVC, concrete waste etc., in the campus. And in the hostels vegetables waste, food waste and other kitchen waste. Hence, separate containers have been located to collect e-waste, solid waste, liquid waste and biodegradable waste. More or less broken down computers, keyboards, electronic gadgets will be finely disposed to the scarp dealers once in every semester. Metallic waste, paper waste will have certain end value and hence it is collected through separate containers and given to the scrap dealers every year.Buffalo farms are available in the

nearby villages and the owners will come to the hostels twice a day and collect food and vegetable waste.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	**No File Uploaded**
Geo tagged photographs of the facilities	**No File Uploaded**

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus — **B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: — **A. Any 4 or All of the above**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geo tagged photos / videos of the facilities	[View File](#)
Various policy documents / decisions circulated for implementation	**No File Uploaded**
Any other relevant documents	**No File Uploaded**

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution	
7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	**B. Any 3 of the above**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	**No File Uploaded**
Certification by the auditing agency	**No File Uploaded**
Certificates of the awards received	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	**B. Any 3 of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Policy documents and information brochures on the support to be provided	**No File Uploaded**
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The Institute has an NSS unit through which the students will actively participate in various service activities like regular blood donation camps, plantation, rallies on health awareness, diabetic medical drive in association with Sankalpa hospital for the villagers of Venkatapuram. The College also encourages the students to participate in various cultural and literary activities like Annual day, Fresher's day and nationallevelfests, NrityaAmeya where in which the students can exhibit various dancing styles to bring out the artistic talent among the students.

Community Service Projects (CSP's) serve as a building pathway between the students and people in the community. As a part of curriculum, many projects were carried out in various local communities, suburbs, orphanages, schools etc with the support of voluntary organizations like Rotary international, RASS, Gandhi foundation, well being of the waste (WOW) etc. In association with ISKCON, institution arranged spiritual awareness sessions and the importance of spirituality and gain tolerance and harmony on the aspects of communal harmony. Universal Human Values (UHV) has made a mandatory credited in the curriculum at second level of UG programs with the objective of enhancing its psychological strength to maximize focus on ethical values in academics and career.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	No File Uploaded

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

One course called Constitution of India has been introduced in AK20 regulations applicable for the batches admitted from 2020-21 both in UG and PG has non credited mandatory course with an internal evaluation. The outcomes of course are 1. Discuss the growth of the demand for civil rights in India for the bulk of Indians before the arrival of Gandhi in Indian politics. 2.

Discuss the intellectual origins of the framework of argument that informed the conceptualization of social reforms leading to revolution in India. 3. Discuss the circumstances surrounding the foundation of the Congress Socialist Party [CSP] under the leadership of Jawaharlal Nehru and the eventual failure of the proposal of direct elections through adult suffrage in the Indian Constitution. 4. Discuss the passage of the Hindu Code Bill of 1956. 5. Understand the premises informing the twin themes of liberty and freedom from a civil rights perspective.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	Nil
Any other relevant information	Nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized	A. All of the above

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	No File Uploaded
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

The Institution organized various programs on national festivals and also birth/death anniversaries of the great Indian personalities for remembrance.

Mathematics Day was celebrated on 22nd December 2021. On this occasion Management, Principal, Faculty and students felicitated one of the senior faculty Dr. V. Somasekhar Srinivas, Associate Professor of Mathematics.

73rd Republic Day celebrations was held at AITS Tirupati campus on 26th January 2022 with lots of enthusiasm and patriotism. The Management, Principal, Faculty and the students flashbacked on the legends who spared their lives during Indian Independence Movement.

National Science day was celebrated in the campus on 28th February 2022. Dr. T. Rajendra Prasad, Sr. Scientist, NARL, Gadanki was the Chief guest for this event. The theme of 2022 National science day: "Integrated Approach in Science and Technology for a Sustainable Future".

75th Independence Day celebrations was held at AITS Tirupati campus on 15th August 2022 with lots of enthusiasm and patriotism. The Chief Guest Ex.Colonel G.ChandraSekhar Naidu attended on this occasion and hosted the Flagand addressed the students. Different competitions like quiz, elocution, games and sports were conducted and prizes were distributed on commemorative days.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	**No File Uploaded**
Geo tagged photographs of some of the events	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Title:

Outcome Based Education (OBE)

Objectives:

- To make the student perfect fit to the industry in terms of skills, values and ethics, understand the outcomes of his/her program at the time of entry itself with student centric environment.

The Practice:

The following steps have been taken for the implementation of the OBE in the Institute.

- Design of curriculum (OBC): To State outcomes of teaching like Industry Requirements, NEP-2020, Revised Academic Curriculum: AP Govt., Framing of CO's and mapping it with relevant PO's.
- Teaching-Learning Process (OBTL): To teach to increase the likelihood of most students achieving the outcomes; Blended mode of learning, Collaborative Learning Classes, Project based learning, Guest lectures by eminent personalities.
- Assessments (OBA): To Assess how well the outcomes have been achieved using authentic assessment. CIE, SEE and exit survey.

Title: Counseling Process

Objectives:

- To address the emotional, social and behavioral needs of the students, shape a student's behavior and also instil enough discipline in them

The Practice:

A unique counselling process is followed wherein counselling proforma developed which contains preliminary data of students. Each faculty is allocated 20 students as a counsellor with an objective to constantly follow student progress and accordingly

suggest changes in case of deviations.

File Description	Documents
Best practices in the Institutional website	https://aits-tpt.edu.in/iqac/#Best-Practices
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

The college aims that the locational distinctiveness establishment of the academic buildings and the residential hostels are located in the foothills of Seshachala hills (Tirumala hills), thereby leading the students and the faculty to work in peaceful environment. The following multidimensional educational system is aimed to develop the holistic development of the students.

Intellectual: Designing the OBE oriented curriculum, Updating and revising the curriculum to meet the global requirements, Visualising the career opportunities and approach towards achieving them, Exploration of Knowledge through various modes of learning/Research like Nptel, Microsoft certification, community service projects etc., Innovation and Entrepreneurship through EISC, MSME business incubator, MOU's etc, student clubs etc. Physical education of the students are lead by regular sports and yoga activities. Societal education includesBlood Donation, Vaccination drive, Drug awareness program, Motivational programs for girl students by Women Empowerment/Protection cellEmotional education is elevated by means of Mentor-Mentee system, Universal Human Values (UHV),a 3 credit course has been introduced in the curriculum to develop positive emotions in the students.To teach the values of Eco friendliness,Usage of solar energy in the campus and plantation programs were widely held. Innovativeness in education is held by initiatingNewsletter and Newsmagazine, Campus radio, Short film/you tube videos makingcompetitions.

File Description	Documents
Appropriate web in the Institutional website	**No File Uploaded**
Any other relevant information	**No File Uploaded**

7.3.2 - Plan of action for the next academic year

Based on the New education policy 2020, framed by union government and the revised academic curriculum suggested by govt. of A.P., UG engineering curriculum has been revised for this autonomous institution applicable for engineering aspirants by introducing Mandatory MOOCS and community service projects. Institution has planned to conduct Boards of Studies meetings in 2022-23 also to pursue the updates required and for evolving strategies for effective implementation of the curriculum. Plan of action for organizing co-curricular and extracurricular activities interlacing with academic schedules. Co-curricular event like webinars, industrial visits, training programs on emerging technologies, workshops etc has been planned. Extra curricular activites sports, games cultural fests and competitions have been placed. Various nonstatutory committees like WPC, WEC, IEC, REC, NSS, Kalaparivar and committee heads came up with the plans of action and adhering to the plans and schedules.