



YEARLY STATUS REPORT - 2020-2021

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. of the Principal **08772285695**
- Alternate phone No. **9948149222**
- Mobile No. (Principal) **9948149222**
- Registered e-mail ID (Principal) **aitstpt@yahoo.com**
- Address **Venkatapuram village, Karakambadi
Road, Renigunta Mandal**
- City/Town **TIRUPATI**
- State/UT **ANDHRA PRADESH**
- Pin Code **517520**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **01/07/2019**
- Type of Institution **Co-education**

- Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr . S . KISHORE**
- Phone No. **08772285609**
- Mobile No: **8919805449**
- IQAC e-mail ID **directoriqac.aitstpt@gmail.com**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://aits-tpt.edu.in/iqac/#AQAR-Reports>

4. Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://sites.google.com/view/aitstptexam/academic-calendars>

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 Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

| Institution/ Department/Faculty/School | Scheme | Funding Agency | Year of Award with Duration | Amount |
|--|---------------|----------------|-----------------------------|---------------|
| ECE | MODROB | AICTE | 20/07/2020 | 810980 |

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9. No. of IQAC meetings held during the year **4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken **Yes**

uploaded on the institutional website?

- If No, please upload the minutes of the meeting(s) and Action Taken Report
- No File Uploaded

10. Did IQAC receive funding from any 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)

New programmes by revamping the earlier intake and introduced B.Tech: AI&DS and B.Tech-CSE (IoT and Cyber Security with Blockchain Technologies) from the AY 2020-21 and accordingly new laboratories are established.

Induction programme was organized for first year B.Tech students

AICTE sponsored 3-day International Conference on "Glass Ceiling: Issues and Challenges on Women Career Development in Educational Institutions" during 25th - 27th March, 2021. We deem it a great opportunity given focus to have hosted the International Conference on an important issue with AICTE, New Delhi.

Awareness program organized on COVID-19 and precautions taken at against COVID-19

Encouraged faculty to attend FDPs and Students to register online courses to enrich their skills and also to obtain more certification from MOOCs .

12. Plan of action chalked out by IQAC at 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 |
|--|--|
| <p data-bbox="113 237 746 309">Actions to improve the academic results and placements</p> | <p data-bbox="802 237 1453 1480">CLC - Two hours in a week (Group discussion, Jigsaw, Quiz, Four corners, Think - pair - share, Debates etc). 2. Every Unit - 1 Assignment, 1 PPT, 1 Clip Art discussion, 1 Seminar. 3. Extra care for slow learners. 4. Remedial classes (after Mid - I exams). 5. Extra concentration on the students who have backlogs. 6. Tutorial classes planned in the class time tables to clear the doubts and to do more work outs by the students. 6. Every teacher is encouraged to prepare quality video lectures, advised to upload through youtube channel and instructed to share the link to students. 7. Every faculty of the department enriched with online tools usage for better Presentations to the students by attending number of related workshops. Effective online mode of teaching using pentablet, stylus pens and other video tutorials • Motivating the students to attend CRT for placements</p> |
| <p data-bbox="113 1520 746 1637">Actions to organize seminars / conferences / workshops / FDPs / STTP.</p> | <p data-bbox="802 1520 1453 1888">One virtual international level conferences are planned One virtual national level conference is planned One national level workshop is planned., Organizing the workshops/ FDP Attending seminars/ conferences / workshops /FDPs / STTP</p> |
| <p data-bbox="113 1924 746 1995">Actions of all clubs and forums in the college</p> | <p data-bbox="802 1924 1453 2076">Organizing the events, Quiz programs, 1. Literary Club : Republic Day, Women's day, Independence day and Engineer's</p> |

| | |
|---|--|
| | <p>Day. 2. Public speaking Club : Twice in a semester.(Insisted all first B.Tech students To speak in English in the campus)</p> <p>3. Language Club : Once in a month. 4. Activity Club : Once in Three weeks.</p> |
| <p>Actions to conduct quality enhancement programs to Students, Teachers, and Administrative staff.</p> | <p>Teachers - 1. NPTEL (One Certificate per year), Coursera, edx etc. (atleaste certificate is mandatory per year) 2. To enhance communications skills, workshop will be Conducted by English faculty (Once in every semester). 3. Faculty are encouraged to attend workshops and orientation programs regarding online tools to get hold of online classes effectively 4. Orientation programs are arranged for faculty to give awareness on effective preparation of PPTs, videos, quizzes etc. 2. Students ? 1. NPTEL. 2. Personality Development classes. 3. Motivational classes by reputed speakers. 4. Students are encouraged to attend workshops regarding online tools for attending online classes.</p> |
| <p>Actions to encourage faculty and students for publications.</p> | <p>Faculty: 1. One publication in UGC approved / Peer reviewed journal is mandatory. 2. One Research proposal by each Doctorate.Encouraging the students and faculty for journal publications</p> |
| <p>Actions to conduct Internal & External Academic Audits through IQAC.</p> | <p>Academic Monitoring Committee conduct reviews every month on the coverage of syllabus as per the lesson plans, Course file, Notes checking etc. 2. Class teachers monitor - 1. Discipline</p> |

| | |
|--|--|
| | 2. Behavior 3. Regularity of students - for every 3 days. Assessment of Internal & External Academic Audits through IQAC |
| Actions to initiate social responsibility activities | Charity donations to the orphanage homes in the form of pens, pencils, Notebooks etc. 2. Monitoring Anti - Ragging throughout the academic year. 3. Monitoring Anti - Sexual harassment on the campus. |

13. Was the AQAR placed before the statutory body? Yes

- Name of the statutory body

| Name of the statutory body | Date of meeting(s) |
|----------------------------|--------------------|
| GB | 02/02/2021 |

14. Was the institutional data submitted to AISHE ? Yes

- Year

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. of the Principal | 08772285695 |
| • Alternate phone No. | 9948149222 |
| • Mobile No. (Principal) | 9948149222 |
| • Registered e-mail ID (Principal) | aitstpt@yahoo.com |
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| • State/UT | ANDHRA PRADESH |
| • Pin Code | 517520 |
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| • Location | Rural |
| • Financial Status | Self-financing |

| | | | | | |
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| Name of the statutory body | Date of meeting(s) |
| GB | 02/02/2021 |
| 14. Was the institutional data submitted to AISHE ? | Yes |
| <ul style="list-style-type: none"> Year | |
| Year | Date of Submission |
| 01/01/2021 | 05/05/2021 |
| 15. Multidisciplinary / interdisciplinary | |
| 16. Academic bank of credits (ABC): | |
| 17. Skill development: | |

| |
|--|
| |
| 18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course) |
| |
| 19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE): |
| |
| 20.Distance education/online education: |
| |

Extended Profile

| 1.Programme | | | | | |
|---|------------------|------------------|-----------|---|------------------|
| 1.1 Number of programmes offered during the year: | 13 | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">File Description</th> <th style="width: 50%;">Documents</th> </tr> </thead> <tbody> <tr> <td>Institutional Data in Prescribed Format</td> <td style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table> | | File Description | Documents | Institutional Data in Prescribed Format | No File Uploaded |
| File Description | Documents | | | | |
| Institutional Data in Prescribed Format | No File Uploaded | | | | |
| 2.Student | | | | | |
| 2.1 Total number of students during the year: | 2265 | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">File Description</th> <th style="width: 50%;">Documents</th> </tr> </thead> <tbody> <tr> <td>Institutional data in Prescribed format</td> <td style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table> | | File Description | Documents | Institutional data in Prescribed format | No File Uploaded |
| File Description | Documents | | | | |
| Institutional data in Prescribed format | No File Uploaded | | | | |
| 2.2 Number of outgoing / final year students during the year: | 572 | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">File Description</th> <th style="width: 50%;">Documents</th> </tr> </thead> <tbody> <tr> <td>Institutional Data in Prescribed Format</td> <td style="text-align: center;">No File Uploaded</td> </tr> </tbody> </table> | | File Description | Documents | Institutional Data in Prescribed Format | No File Uploaded |
| File Description | Documents | | | | |
| Institutional Data in Prescribed Format | No File Uploaded | | | | |
| 2.3 Number of students who appeared for the examinations conducted by the institution during the year: | 2242 | | | | |
| | | | | | |

| File Description | Documents |
|---|------------------|
| Institutional Data in Prescribed Format | No File Uploaded |

3.Academic

| | |
|--|-----|
| 3.1 | 514 |
| Number of courses in all programmes during the year: | |

| File Description | Documents |
|---|------------------|
| Institutional Data in Prescribed Format | No File Uploaded |

| | |
|---|-----|
| 3.2 | 214 |
| Number of full-time teachers during the year: | |

| File Description | Documents |
|---|------------------|
| Institutional Data in Prescribed Format | No File Uploaded |

| | |
|--|----|
| 3.3 | 33 |
| Number of sanctioned posts for the year: | |

4.Institution

| | |
|--|------|
| 4.1 | 2016 |
| Number of seats earmarked for reserved categories as per GOI/State Government during the year: | |

| | |
|--|----|
| 4.2 | 75 |
| Total number of Classrooms and Seminar halls | |

| | |
|---|-----|
| 4.3 | 935 |
| Total number of computers on campus for academic purposes | |

| | |
|--|--------|
| 4.4 | 201.12 |
| Total expenditure, excluding salary, during the year (INR in Lakhs): | |

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Annamacharya Institute of Technology & Sciences::Tirupati is affiliated to JNTUA, Ananthapuramu and obtained UGC autonomous in the year 2019-20 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 are modified strictly in accordance with the National Education Policy and the 'Revised Academic Curriculum' of AP State Council of Higher Education (APSCHE) of AP Government. 1.Resource Planning : Faculty and Staff recruitments are done at the start of an academic year by the Selection Committee based on requirements, meeting the norms of AICTE and the affiliating University JNTUA.

New laboratories/equipments if any are procured based on the curricular requirements. Department administration ensures that all the required equipments for the experimentation and for the practice are made available to the students.

Library resources - New titles of text books for reference and text books for issue are added every year on the recommendations of the library committee and the department HODs depending upon the curricular needs. Printed journals and online journals are subscribed every year for the benefit of students and staff community and in accordance with the norms of regulatory bodies, AICTE and JNTUA.

1. Calendar and Instruction Schedules - 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.,

Co-Curricular activities are integrated with this calendar based on the availability of the human and physical resources.

Time-tables for all the subjects are planned to meet the curriculum requirements in terms of number of lecture hours, tutorial hours, practice / practical hours and collaborative learning hours are also provisioned in time tables.

Academic monitoring committees constituted in the departments will check the day to day coverage of the syllabus contents, monitor for effectiveness of teaching learning systems, collect and analyze the feedback, advise the remedial things to the Head administration.

2. Content Planning : The delivery for each course is expected in 60 - 70 hours. Accordingly, the faculty is instructed to submit their lesson plan to the HoD for approval. The faculty members are instructed to use ICT to the extent possible for delivery. All the teachers use various teaching methodologies to make learning process more effective. Course File is maintained by every faculty which contains course material, lesson plan, question bank, quiz bank, previous question papers, assignment etc., Courses will normally allotted to the faculty of concerned specialization.

Lab Manuals are developed based on the curriculum needs.

Appropriate Content Delivery Methods (CDM) are used to meet the Programme Outcomes.: CDM-1: Lecture with interaction, CDM-2: Quiz, CDM-3: Presentation, CDM-4: Demonstration, CDM-5: Group Discussion, CDM-6: Case study, CDM-7: Competition, CDM-8: Industrial visit, CDM-9: Tutorial, CDM-10 : Collaborative Learning Practice.

| File Description | Documents |
|---------------------------------------|---|
| Upload additional information, if any | No File Uploaded |
| Link for additional information | https://drive.google.com/file/d/1bELQJROho1EagswsqAF2S0iXTHtf2ulk/view |

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

10

| File Description | Documents |
|--|---------------------------|
| Minutes of relevant Academic Council/BOS meeting | No File Uploaded |
| Details of syllabus revision during the year | View File |
| Any additional information | No File Uploaded |

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

47

| File Description | Documents |
|---|---------------------------|
| Curriculum / Syllabus of such courses | View File |
| Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses | No File Uploaded |
| MoUs with relevant organizations for these courses, if any | No File Uploaded |
| Any additional information | No File Uploaded |

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year**

47

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

13

| File Description | Documents |
|--|---------------------------|
| Minutes of relevant Academic Council/BoS meetings | No File Uploaded |
| Any additional information | No File Uploaded |
| List of Add on /Certificate programs (Data Template) | View File |

1.3 - Curriculum Enrichment

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

The curriculum designed by the Institution includes these aspects in the courses namely Environmental Studies, Human Values & Professional Ethics, Constitution of India, Universal Human Values, Biology for Engineers in UG curriculum.

Main objective of Environmental Studies is to make the students to get awareness on environment, to understand the importance of protecting natural resources, ecosystems for future generations and causes of pollution in the day to day activities of human life to save this planet. The course also includes a field work activity to document environmental aspects and to create awareness. This course is mandatory course without credits and with an internal assessment only.

Universal Human Values weighs three credits and common to all UG programs. The Course deals with basic concepts of society, Role of NCC & NSS in Nation building, Indian Constitution, Youth and Crime, Social Harmony & National Integration, Environment Issues, About Health, Hygiene and Sanitation, Disaster Management and defense services. Only internal examination will be conducted twice in a semester and student should get a minimum of 40 percent score to declare pass in this course.

Biology for Engineers course is introduced in the curriculum to give basic understanding about the life process, animals, plant systems, bio-diversity etc., and provide insight to the student on the applications of bio-molecules in industry there by imparting knowledge by biological principles in the various technologies in the manufacturing medicines and pharmaceuticals.

Constitution of India has a mandatory course has been introduced with the objective of imparting knowledge to the student community on human rights in India before Independence and after independence, the framework of Indian constitution duties and responsibilities of various heads of governance and including the functions of local administrative bodies.

Intellectual Property Rights is introduced in new curriculum under CBCC, an open elective with an objective to introduce basic concepts of copyright laws and patents. It is also to help and encourage the students to develop startups and to think innovatively.

To give better exposure and to direct the youth in right direction, few committees are functional in this institution such as Women Empowerment Cell, Women Protection Cell, Internal Compliance Committee, Anti-Ragging Committee, Disciplinary Committee, NSS Committee, Institutional Ethics Committee etc., and arranges guest lectures by external experts in their related fields to create awareness among students and staff. These committees meet on regular basis and conduct events/competitions for better awareness.

| File Description | Documents |
|---|------------------|
| Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum | No File Uploaded |
| Any additional information | No File Uploaded |

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

24

| File Description | Documents |
|--|---------------------------|
| List of value-added courses | View File |
| Brochure or any other document relating to value-added courses | No File Uploaded |
| Any additional information | No File Uploaded |

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

2318

| File Description | Documents |
|----------------------------|---------------------------|
| List of students enrolled | View File |
| Any additional information | No File Uploaded |

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

775

| File Description | Documents |
|---|---------------------------|
| List of programmes and number of students undertaking field projects / internships / student projects | View File |
| Any additional information | No File Uploaded |

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

| File Description | Documents |
|---|---|
| Provide the URL for stakeholders' feedback report | https://aits-tpt.edu.in/igac/#Feedback |
| Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management | No File Uploaded |
| Any additional information | No File Uploaded |

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

| File Description | Documents |
|---|---|
| Provide URL for stakeholders' feedback report | https://aits-tpt.edu.in/igac/#Feedback |
| Any additional information | No File Uploaded |

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

654

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

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

576

| 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 students' learning levels and organises special programmes for both slow and advanced learners.

The Institute has instilled the mentorship/counseling System. A group of 20 students are assigned to a Faculty cum mentor. The mentor regularly monitors the group of students assigned to him / her to check their academic progress. The mentor maintains complete academic record of four years with respect to attendance secured; marks scored in internal and end-semester exams, and also counsel the students.

Based on the academic record, mentor identifies Slow achievers and advanced achievers.

Strategies adopted for slow achievers:

1. Remedial and Tutorial classes are organized.
2. Repetition of critical topics for better understanding.
3. Daily attendance is reported to the parents through SMS and phone calls for absentees.
4. Motivational sessions are conducted every semester, once or twice, by external

Experts/professionals to improve psychological mindsets of students that help to analyze problems and to regularize them.

Advanced learners are identified based on the following criteria:

Academic performance in periodical tests and end semester examinations of previous semesters/years. 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.,

Strategies adopted for fast achievers:

1. Fast achievers are immediately made part of Campus Recruitment Training (CRT) to improve success rate in on campus interviews
2. Encouraged to present and publish papers in internal and external seminars/symposia.
3. Fast achievers are made part of technical forum in the department for pro active leadership in coordination and organization of the technical events.
4. Peer teaching and team presentations are encouraged teachers.
5. Nominating as club leaders which gives them scope for honing their social / event

Management/leadership skills.

6. They are encouraged to participate in intercollegiate and extracurricular events which fosters their competitive spirit.
7. Encouraged to participate in internships programs and in other relevant skill development programs.
8. Encouraging the fast achievers towards registration for honors degree and for minor degree also.

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

2.2.2 - Student – Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|------------|--------------------|--------------------|
| 30/06/2021 | 2265 | 214 |

| File Description | Documents |
|-----------------------------------|------------------|
| Upload 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, socially relevant projects, mini projects and major projects.

AP state skill development corporation (APSDC) conducts skill development programmes through external trainers on emerging technologies in the skill development labs established in the campus by the AP Govt. Students are also encouraged to do Internships in Central Institutes/ industries and to carry out socially relevant projects, NSS unit of the college is integrated. Hands On-workshops/Labs coding clubs are also being scheduled on the regular basis.

Participative Learning practices / Collaborative learning practices are scheduled in the regular time tables itself to organize activities like jig-saw, Flipped class room, Quiz, Small group discussion in the classroom.

Student Club activities like English communication Club, Coding club, Literary Club and Oratory Club are also functional to conduct competitions, Elocutions, Group Discussions, Debates, Coding/Debugging, Quizzes and Seminars at intra and inter-department Levels. National level Symposia and Exhibitions like

Metallomania are conducted in the campus. Best students are given certificates.

It is a prerequisite to students to work in groups of 4-5 to tackle an engineering problem, submit their works as Presentations twice before Project Review Committee and completes the work to present at external examination in their end semester to get credits. Laboratories are kept open for students beyond their lab schedules to do innovative works of their own interest.

Analysis of Case Studies and optimizing the solution space provides insight to problem-solving techniques in subjects like Database Management Systems, Design & Analysis of Algorithms and in Management Sciences. During Tutorial hours, Analytical Problems are given to students and the solutions are reviewed by the faculty then and there.

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

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Microsoft team's software has been procured to organize virtual classes at times of need, particularly during the COVID/Lockdown period. It has been made mandatory for the entire faculty to prepare the presentation material in ppt. form and Microsoft teams software has been utilized to schedule meetings and presentations. Even after physical mode class work started, virtual meetings are scheduled outside the class work timings to conduct add on /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.
- Many concepts are shown in animations/videos for better understanding in subjects like Computer Networks, Digital Image Processing and Satellite Communications.
- Associated with coursera to learn online courses, attend examinations online and through this nearly 800 certificates of mastery on 200 plus subjects are obtained for both

students and faculty in the academic year 2020-21.

- Students and Faculty members are encouraged to subscribe NPTEL online courses. A faculty member is appointed as SPOC for NPTEL matters to give alerts for online registry for courses and to obtain certifications.
- Lecture notes of many courses can be downloaded from the institutional web-site ICT links are also provided for some courses
- SWAYAM web links for various curricular topics are suggested to students by the respective teachers.

| File Description | Documents |
|--|------------------|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | Nil |
| Upload any additional information | No File Uploaded |

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

205

| File Description | Documents |
|---|---------------------------|
| Upload year-wise number of students enrolled and full-time teachers on roll | No File Uploaded |
| Circulars with regard to assigning mentors to mentees | View File |

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Institute strictly adheres to the instructions by AICTE, AP Government and the affiliating University to draft the academic calendar. Academic calendar every year needs approval by the college academic council (CAC). Academic calendar includes details like start date, end date of instructions, internal assessment schedules, semester end examination schedule etc.,

The Head of the department adopt scientific method in allocating courses to the faculty just before the commencement of instruction, academic monitoring committee in each department go through the course file developed by the faculty and faculty will

continue the delivery after incorporating advises given by the academic monitoring committee and the module coordinator. Academic monitoring committee collects feedback in between the semester and make timely advises to the faculty in case of deficiencies identified

Academic Committee comprises of Principal, Heads of the Departments and officer-academic section. The academic calendar is prepared well in advance before the commencement of the semester regarding the coverage of syllabus, practice test and internal examination schedule.

The academic committee finalizes the detailed calendar incorporating co-curricular and extra -curricular activities.

The faculty member prepares the course file indicating the topics to be covered lecture wise in lesson plan and also includes the evaluation process for each subject. Course Outcomes are identified by the faculty-incharge.

It is duly reviewed by the one of the senior faculty in the department and approved by the head of the department before the commencement of semester.

Timetable in-charge of each department prepares the timetable based on the number of credit hours for each subject, as per the guidelines, prior to the commencement of the semester. Time-tables are displayed in the respective department and class notice boards and a copy is also maintained in the examination cell.

Head(s) of the departments and academic monitoring committee monitor the teaching activities of the faculty by looking at academic diary. HoD convenes regular meetings with faculty and students to know about the syllabus completion or any grievances to be addressed.

Academic regulation are enforced by HOD and AMC in regulating delivery of sessions and ensure that CIEs are conducted and prepare the student to face SEE at the end of semester

Two units of the course have to be completed before the First Internal and the remaining three units before Second Internal Examination. Total semester duration is of 17 weeks and the distribution is planned accordingly.

| File Description | Documents |
|---|------------------|
| Upload the Academic Calendar and Teaching Plans during the year | No File Uploaded |

2.4 - Teacher Profile and Quality

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

214

| File Description | Documents |
|--|---------------------------|
| Year-wise full-time teachers and sanctioned posts for the year | View File |
| List of the faculty members authenticated by the Head of HEI | No File Uploaded |
| Any additional information | No File Uploaded |

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

37

| File Description | Documents |
|---|---------------------------|
| List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years | View File |
| Any additional information | No File Uploaded |

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

734.60

| File Description | Documents |
|---|---------------------------|
| List of teachers including their PAN, designation, Department and details of their experience | View File |
| Any additional information | No File Uploaded |

2.5 - Evaluation Process and Reforms

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

Nil

| File Description | Documents |
|--|---------------------------|
| List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result | View File |
| Any additional information | No File Uploaded |

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

30

| File Description | Documents |
|---|---------------------------|
| Upload the number of complaints and total number of students who appeared for exams during the year | View File |
| Upload any additional information | View File |

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Affiliating University JNTUA, has implemented EDEP (Electronic Distribution of Examination Papers) through the decryption software tools. Colleges affiliated to the university are given log in credentials and the university examination branch will send the encrypted file of question papers to the colleges half an hour before commencement of the examination. College examination system shall download the encrypted file and decrypt it on getting the passwords from the University and take the hard copy print out of the question papers, duplicate sufficient number of copies for distribution exactly on time (make the question papers just in time). This method has attained Laurels as it arrests all pilferage/leakage of question papers and prevents all illegal activities in the examinations. As the institution obtained Autonomous from the AY. 2019-20, institution has been using smart brainee software to secure the question papers, to generate decode numbers against the hall ticket numbers, creating database files

code versus course marks, processing the results, analysis of results, generation of semester marks memos, consolidated marks memos and the provisional pass certificates. This software has special features of the computations of CO attainments and PO attainments also which really saves the man time.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | https://sites.google.com/view/aitstptexam/academic-regulations-syllabus |

2.6 - Student Performance and Learning Outcomes

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

The course objectives, expected course outcomes and expected Program Outcomes are clearly defined through department level committees and the COs defined in the curriculum are once again verified by the BOS. The Program Outcomes are displayed on,-

- Department Notice Board
- In College Website: <http://aits-tpt.edu.in/>
- Inside Department Laboratories, and displayed at
- Strategic corners in the campus

For every course, Syllabus and Course Outcomes are clearly specified and are provided to the students at the beginning of the semester. The faculty members are advised to ensure that the objectives of the particular course are fulfilled during the instruction period. The Course Outcomes are communicated to the students by the respective faculty. 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 COs for all courses (exemplars from the Glossary) | View File |
| Upload any additional information | No File Uploaded |
| Link for additional Information | Nil |

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as 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. 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 | View File |
| Paste link for additional Information | Nil |

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

470

| File Description | Documents |
|---|---------------------------|
| Upload list of Programmes and number of students appear for and passed in the final year examinations | 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/igac/#Feedback>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The institutions research facilities in terms of hardware, software and the human resources and ethics convention are frequently updated and recorded. Necessary information is getting updated regularly and displayed in the college website.

R&D Cell is constituted with members drawn from all the departments with Ph.D qualifications. And frequent meetings are conducted to give timely alerts to prepare the proposals for fund support from the funding agencies. R&D committee take active part

in coordinating the research activities.

Research Ethics Committee (REC) is constituted to take care of plagiarism issues and to suppress any unethical practices and to bring the awareness among the members on research ethics.

The objectives of research committee can also be understood keeping in view the following points:

- According to UGC and AICTE guidelines, non doctoral faculty is encouraged to register in to Ph.D. programme of their disciplines.
- Half yearly review of the Ph.D. registrations and completion list should be updated.
- To those faculty who are to write a Ph.D. thesis, research may mean a careerism or a way to attain a high position in the social structure;
- Submission of Research articles and project proposals by the faculty enriches the current knowledge which is the principle motto of the committee.
- To those students who are to write a UG/PG thesis, research may be a foundation for their career grounds.
- To enrich the researchers about the Government and Non government funding agencies.
- Encouraging the succeeding researchers and students to file patents.

List of Doctorates recognized by JNTUA,

Research facilities available in the campus:

- Ultrasonic Pulse Velocity Testing Apparatus
- Rapid Chloride Permeability Test Apparatus
- Staadpro software
- E-TABS software
- SAP (Structural Analysis Program 2000)
- Dassualts Lab
- Power System Protection Lab
- Power System Simulation Lab
- VLSI & ES Lab
- DSP Lab
- UAV Lab

| File Description | Documents |
|--|------------------|
| Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption | No File Uploaded |
| Provide URL of policy document on promotion of research uploaded on the website | Nil |
| Any additional information | No File Uploaded |

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0

| File Description | Documents |
|---|------------------|
| Minutes of the relevant bodies of the institution regarding seed money | No File Uploaded |
| Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized | No File Uploaded |
| List of teachers receiving grant and details of grant received | No File Uploaded |
| Any additional information | No File Uploaded |

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

| File Description | Documents |
|---|------------------|
| e-copies of the award letters of the teachers | No File Uploaded |
| List of teachers and details of their international fellowship(s) | No File Uploaded |
| Any additional information | No File Uploaded |

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

8.10

| File Description | Documents |
|--|---------------------------|
| e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations | View File |
| List of projects and grant details | No File Uploaded |
| Any additional information | No File Uploaded |

3.2.2 - Number of teachers having research projects during the year

0

| File Description | Documents |
|---|------------------|
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | Nil |
| List of research projects during the year | No File Uploaded |

3.2.3 - Number of teachers recognised as research guides

13

| File Description | Documents |
|---|---------------------------|
| Upload copies of the letter of the university recognizing teachers as research guides | No File Uploaded |
| Institutional data in Prescribed format | View File |

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

1

| File Description | Documents |
|---|---------------------------|
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | Nil |
| Any additional information | No File Uploaded |

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The institution has established following centers of excellence in the campus to support innovations, Research activities and for entrepreneurship

1. R and D cell
2. Entrepreneurship startup innovations centre (ESIC)
3. Entrepreneurship development cell
4. Unnath Bharath Abhiyan centre
5. AITS campus radio
6. Zensar Center of Excellence

1. R& D cell:

R & D cell is constituted with PhD qualified faculty as members and the activities are coordinated by the committee. Committee convenes meetings regularly to give alerts, share notifications for preparing funding proposals and provide technical assistance to the members submitting the proposals. Committee also conducts special workshops on IPR, Patents rights, Research ethics etc.,

Recommendations:

- To undertake minor and major research projects from various funding agencies.
- To increase number of research publications.
- To organize more number of seminars, conferences and workshops.

- To acquire funds for research from various funding agencies.

2. ESIC

This centre has been established in the campus as per the direction APSCHE mainly to encourage to students and staff towards innovations, skilling programmers and startups.

ESIC centre is the advisory body, suggests a few emerging technologies to the fast learners in the student community and to the staff through the HOD's. As the HOD's are the chairman of related Board of Studies (BOS s), responsible for the curricular design and approvals, with the inputs from the ESIC, HOD's add the courses on the emerging technologies in their respective curriculum for the benefit of the students. ESIC also conducts innovation idea conventions, hackathons like coding competitions and few creative events like Online games like Scavenger Hunt etc..,

3.EDC Centre:

This motivates the faculty members to send the proposals for fund support to conduct workshops on entrepreneurship, awareness camps for students and help out the interested students by providing technical guidance also to raise capital requirements and to develop business models.

4. Unnath Bharath Abhiyan centre:

Actually UBA cell has been established in New Delhi with vision of Bringing of transformational change in Rural development process by leveraging knowledge institutions to help build the architecture of an inclusive India. Our Institute is figured out as the participating institute in community development- Choosing 5 villages in Sri Venkateswara veterinary University, Tirupati chittor district of Andhra Pradesh.

5. AITS campus radio:

AITs campus radio is integrated with YOUNIFY (WWW.YOUNIFY.COM).The objective is to bridge the existing gap among the student community through a secured multi layer interactive platform, Students can do what they radio station can do. To give the experience infotainment. Interested are performing in teams, Broadcast singing performance, Valuable significant information , Notifying important alerts to listeners of campus radio.

6. Zensar Center of Excellence:

This center is established in the campus in association with an MNC viz., Zensar Inc

With the objective of imparting special skills on DBMS,SQL and JAVA to the students during the study itself and convert them to their employees after their graduation

Latest technologies are imparted to students with the collaboration of APSSDC. It is to implement a structured and pragmatic solution to skill and up skill the workforce in the state of A.P. and to increase employability, and promote entrepreneurship in sync with Industrial growth of the State. Many Programmes are conducted under this scheme. Android Programming, CAD/CAM, and Programming in C training are imparted to students.

Incubation Center is established in November 2016 and many activities are done by the centre. A seminar on "Discover the Innovator in AITS" and "Career after Engineering" was conducted. Budding Ideas Colloquium showcased the innovations of students. An

Industry Interaction Cell is also constituted. The cell interacts with Industry and Institutes to get Internships or permissions for plant visits in their company.

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

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

Nil

| File Description | Documents |
|--|---------------------------|
| Report of the events | No File Uploaded |
| List of workshops/seminars conducted during the year | View File |
| Any additional information | No File Uploaded |

3.4 - Research Publications and Awards

| | |
|---|----------------------------|
| 3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software | A. All of the above |
|---|----------------------------|

| File Description | Documents |
|--|------------------|
| Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check | No File Uploaded |
| Any additional information | No File Uploaded |

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

2

| File Description | Documents |
|--|---------------------------|
| URL to the research page on HEI website | Nil |
| List of PhD scholars and details like name of the guide, title of thesis, and year of registration | View File |
| Any additional information | No File Uploaded |

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

69

| File Description | Documents |
|---|---------------------------|
| List of research papers by title, author, department, and year of publication | View File |
| Any additional information | No File Uploaded |

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

9

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://www.morebooks.de/store/gb/book/development-evaluation-of-normal-strength-self-compacting-concrete/isbn/978-620-2-68242-8 |

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

60

| File Description | Documents |
|---|------------------|
| Any additional information | No File Uploaded |
| Bibliometrics of the publications during the year | No File Uploaded |

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

3.4.6.1 - h-index of Scopus during the year

1

| File Description | Documents |
|--|---------------------------|
| Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution | View File |
| Any additional information | No File Uploaded |

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

5000

| File Description | Documents |
|--|---------------------------|
| Audited statements of accounts indicating the revenue generated through consultancy and corporate training | View File |
| List of consultants and revenue generated by them | No File Uploaded |
| Any additional information | No File Uploaded |

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

| File Description | Documents |
|---|------------------|
| Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy | No File Uploaded |
| List of training programmes, teachers and staff trained for undertaking consultancy | No File Uploaded |
| List of facilities and staff available for undertaking consultancy | No File Uploaded |
| Any additional information | No File Uploaded |

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

For grooming students to become good citizens, Institute has incorporated many activities and training programmes along with the teaching learning process. The Institute is well networked with its neighborhood and promotes constant interaction which involves student participation. The college lends all support and encouragement to its students as is evident from the under mentioned projects that different student bodies undertake during academic year to make them better citizens.

Name of the Activity

Organising Unit/ Agency/ Collaborating Agency

Month and Year

of the activity

Number of students who participated in such activities

Project Pavitra

NSS UNIT

Jun-20

100

Teachers Day Celebrations

NSS UNIT

Sep-20

20

Engineers Day Celebrations

NSS UNIT

Sep-20

20

Power of Habits

NSS UNIT and ISKON

Jan-21

114

Art of Harnessing Mind Power

NSS UNIT and ISKON

Feb-21

300

Let's Go Green

NSS UNIT

Mar-21

50

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

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

2

| File Description | Documents |
|--|---------------------------|
| Number of awards for extension activities in during the year | View File |
| e-copy of the award letters | No File Uploaded |
| Any additional information | No File Uploaded |

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

6

| File Description | Documents |
|---------------------------------|---------------------------|
| Reports of the events organized | View File |
| Any additional information | No File Uploaded |

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

604

| File Description | Documents |
|----------------------------|---------------------------|
| Reports of the events | View File |
| Any additional information | No File Uploaded |

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

6

| File Description | Documents |
|--|---------------------------|
| Copies of documents highlighting collaboration | View File |
| Any additional information | No File Uploaded |

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

3

| File Description | Documents |
|---|---------------------------|
| e-copies of the MoUs with institution/ industry/ corporate house | No File Uploaded |
| Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year | View File |
| Any additional information | No File Uploaded |

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 equipments, etc.

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

proper visibility of black board and audibility. All the class rooms of individual departments are in close proximity in order to have access to the students. Each department is also provided with tutorial room.

The institution has multimedia facilities by providing audio-visual equipment and also having Webinar center which facilitates the video conference for effective learning process. In addition to this, the departments are equipped with latest LCD projectors for effective teaching through video lectures. For better visualization of the subject topics, the faculty and students are encouraged to use the ICT facilities.

The central library is equipped with adequate infrastructure, e-resources, internet facility, and library softwares for transactions spaced in 645 sqms.

The departmental libraries houses seminar reports, thesis reports, reference books for the subjects etc., and are used by the faculty & students. All students, faculty members and employees of the institute are entitled to make use of the library facilities by becoming its members. The library uses NETLIB software package which is an integrated multi-users library management system that supports all in-house operations of the library.

The institute continuously keeps upgrading the internet bandwidth as latest teaching methods demand the usage of MOOCS/SPOKEN TUTORIAL/NPTEL/Webinars etc. A separate server with HDD is being maintained exclusively for NPTEL video streaming within the campus.

Each room has a seating capacity of 60 and all 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 practical's, but also to carry out experiments beyond syllabus.

The college has an exclusive English communication skills lab where the students practice and test their expertise.

Funded Skill Development Labs - AP Government through its APSSDC established two labs viz., i) AP CM's Skill Excellence Centre, ii) Dessaults Design Computing Lab of worth Rs.1 Crore. Skill Development Corporation deputed trainers to conduct training

programs to the students on emerging technologies using the softwares and the computational facilities available in these labs.

Exclusive seminar halls are available for each department.

The Institute has separate on-campus hostels for boys and girls with the capacity to house 650 students.

Salient features of the hostels at a glance:

- Full time residential wardens for both (boys and girls) hostels with caretakers to look after the residential logistics.
- 24 hour power back up.
- Medical facility for hostel students round the clock. The college also has tied up with a prominent
- Hospital for medical emergencies along with the ambulance facility available 24x7.
- Guest rooms for parents when they come to visit their wards.
- 24x7 Wi-Fi Internet connection in both Boys & Girls Hostels.
- Adequate security arrangements at the hostels.

Institute has owned adequate number of buses for transport of staff and students.

A/C Auditorium with 800 seating capacity (with built-in audio-visual system) is available.

| 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, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Games & Sports are an integral part of the curriculum. Various sports facilities are provided to the students within the campus. The Institute is committed to create a balanced atmosphere of academic, cultural and sports activities for the overall personality development of its students. Various sports competitions such as Inter departmental, Inter collegiate, Inter University, etc help in developing team spirit and leadership in

the students. Their interpersonal relationship is enhanced in a very healthy manner. Winners of competitions are provided with honors like medals, trophies and certificates.

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.

Separate trainers with requisite qualifications are available for both boys and girls to train in various activities of sports and games. Students are encouraged to participate in college level and intercollegiate level sport events.

The Institute has an NSS unit through which the students will actively participate in various service activities like regular blood donation camps, tree plantation, rallies on health awareness, digital literacy program etc.,

The College also encourages the students to participate in various cultural and literary activities and 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 in which students explore their talents. The students participate with zeal in many cultural activities. These Activities helps to build communities by fostering an appreciation for the arts.

The Institute organizes yoga classes for the student and faculty periodically by the yoga masters. Institute takes support from Ramakrishna Mission to conduct spiritual awareness programs.

| File Description | Documents |
|---------------------------------------|------------------|
| Geotagged pictures | No File Uploaded |
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

17

| File Description | Documents |
|---|------------------|
| Upload any additional information | No File Uploaded |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | No File Uploaded |

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

201.12

| File Description | Documents |
|--|---------------------------|
| Upload audited utilization statements | No File Uploaded |
| Details of Expenditure, excluding salary, during the years | View File |
| Any additional information | No File Uploaded |

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.

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

**4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

D. Any 1 of the above

| File Description | Documents |
|---|------------------|
| Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership | No File Uploaded |
| Upload any additional information | No File Uploaded |

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

144.90

| File Description | Documents |
|--|---------------------------|
| Audited statements of accounts | No File Uploaded |
| Any additional information | 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 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

150

| File Description | Documents |
|--|------------------|
| Upload details of library usage by teachers and students | No File Uploaded |
| Any additional information | No File Uploaded |

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

AITS, Tirupati has clear policy regarding IT and has been always in the forefront adopting technologies and providing IT enabled service to all its stakeholder's .The policy provides a framework on the use of IT infrastructure and also lays down Vision and Mission of the Institution in making its entire task IT enabled. IT also outlines a mechanism for establishing and maintaining the IT infrastructure in the campus and has appropriate budgetary provision for expansion and updating its IT facilities including wi-fi.

Strictly as per AICTE's stipulated computer student ratio (UG-1:6; PG-1:4).

Hardware infrastructure Available:

- Computers (900+),
- Servers (4 no's),
- Projectors(30 no's),
- Printers (40+)

Networking infrastructure:

- LAN (900 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 900 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 - Student - Computer ratio

| Number of Students | Number of Computers |
|--------------------|---------------------|
| 2265 | 900 |

| File Description | Documents |
|-----------------------------------|------------------|
| Upload any additional information | No File Uploaded |

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 50 Mbps

| File Description | Documents |
|---|------------------|
| Details of bandwidth available in the Institution | No File Uploaded |
| Upload any additional information | No File Uploaded |

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

E. None of the above

| File Description | Documents |
|--|------------------|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |
| List of facilities for e-content development (Data Template) | No File Uploaded |

4.4 - Maintenance of Campus Infrastructure

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

201.12

| File Description | Documents |
|-----------------------------------|------------------|
| Audited statements of accounts | No File Uploaded |
| Upload any additional information | No File Uploaded |

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

The Institute has adequate number of the computers with internet connections in different localities like office, laboratories, library, departments, examination section, e-class rooms, auditorium etc. The central computer laboratory (B - Block) connected in LAN is open for the students as time permits them. The office computers which are also connected through the LAN consists of the office software making work easier and systematic and are restricted their use only to the appointed office staff. The labs are also used to conduct Online Exams during weekends through Government Agencies. Log books are maintained by the technical staff for the students who use the facility.

The computers and their accessories are maintained by allotted technical staff and Faculty-in-charge in labs. The Systems Analyst takes care of all maintenance services. If the equipment gets repair within the warrantee period, then the supplier company sends its personnel to provide solution. The repair of the equipments that crosses the warrantee period is checked by the System Analyst; he acquires the needed parts and replaces it by new ones.

Calibration of the equipment/instruments is taken up by the respective departments, every semester/year as and when required based on or according to the time frequency suggested by the supplier. Any deviation in this regard will be noted and necessary steps are initiated by calling the technicians from the supplier.

A provision of the budget for the library maintenance is made by the college management. The activities like fumigating and keeping library clean is done frequently by library staff. Procuring of books is based on curriculum. If the book is damaged due to wear and tear, then the books are bounded for further use.

Quarterly journals are also bounded to a single volume. Question Papers of JNTUA Examination, both hard and soft copy, are stored for reference. Visitor Log books are maintained in the library.

Sports materials stock book is maintained with its usage record too. Purchases are done based on its wear and tear of the gadget.

Canteen facility is available to students and staff with good ambience. The services are outsourced to private personnel.

Transport to college is provided by the college buses. The duties of the Transportation in-charge is to provide proper maintenance to the college buses, obtaining necessary clearance certificates, insurance, permits etc. from RTO, regular checking of the condition of the vehicles, appointment of well trained and experienced drivers. Regular maintenance record book is available with the in charge.

The electrical maintenance staff under Maintenance Engineer take care of maintenance of Diesel Generators, maintenance of UPS systems and its batteries, maintenance of building and equipment earthing - measurement of earth resistance at regular intervals, ensuring the proper earth connection for various equipment in the labs and classrooms. This staff also makes sure of Power and Water Availability 24x7 in the campus.

The Blackboard, furniture and electrical appliances in the class room are checked regularly. If there is any wear and tear reported by the concerned Head of the Department to the Principal, the maintenance engineer as instructed by the Principal provides new one/replaces it with a good one, in no time based on the availability.

Plumbing related maintenance is done with the help of local

skilled persons.

The garden is maintained by the gardener appointed by the institute.

House-Keeping section comprises of Sweepers and a Supervisor. They are regularly allotted to maintain cleanliness of the premises (every block of each floor has a sweeper), who looks after the hygiene of the college with respect to cleaning of floors, corridors, classrooms, toilets etc.

| 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 benefitted by scholarships and freeships provided by the Government during the year

1752

| File Description | Documents |
|---|---------------------------|
| Upload self-attested letters with the list of students receiving scholarships | View File |
| Upload any additional information | No File Uploaded |

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

1753

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Institutional data in prescribed format | View File |

5.1.3 - The following Capacity Development

A. All of the above

and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

| File Description | Documents |
|---|------------------|
| Link to Institutional website | Nil |
| Details of capability development and schemes | No File Uploaded |
| Any additional information | No File Uploaded |

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

650

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template) | View File |

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

| File Description | Documents |
|--|------------------|
| Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee | No File Uploaded |
| Details of student grievances including sexual harassment and ragging cases | No File Uploaded |
| Upload any additional information | No File Uploaded |

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

233

| File Description | Documents |
|---------------------------------------|---------------------------|
| Self-attested list of students placed | View File |
| Upload any additional information | No File Uploaded |

5.2.2 - Number of outgoing students progressing to higher education

4

| File Description | Documents |
|---|---------------------------|
| Upload supporting data for students/alumni | No File Uploaded |
| Details of students who went for higher education | View File |
| Any additional information | No File Uploaded |

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

4

| File Description | Documents |
|--|---------------------------|
| Upload supporting data for students/alumni | View File |
| Any additional information | No File Uploaded |

5.3 - Student Participation and Activities

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

0

| File Description | Documents |
|--|------------------|
| e-copies of award letters and certificates | No File Uploaded |
| Any additional information | No File Uploaded |

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Student is an important stakeholder of the institution. They are nominated as members of various committees.

Student Representative Committee is comprised of Lady Representative and Class Representative, to coordinate various activities within the department, as well as to discuss any departmental issues that may arise. The council acts as a liaison between the students, faculty and head of the department, and gives students the opportunity to voice their opinions.

Anti-Ragging Committee is constituted at the beginning of every academic with members as Principal, Head(s) of Departments, Senior Faculty Members and students representing II, III and IV years respectively. AITS, has constituted daily monitoring committees, review committees, anti-ragging cells, quick response teams along with the contact details of the various co-ordinators and members of the above committees & teams.

Library Committee comprises of Head of the Department, two faculty members and one post-graduate student. The committee also maintains the Department's holdings. The importance of the committee is that the faculty and M. Tech students can get additional books from the department to facilitate issue of books in compliance with the central library facility.

NSS Unit has been organizing programs in and off campus for the benefit of community. The activities boost confidence in students and inculcate social values.

Oratory Club comprises of Head of the Department, Two Faculty members and student coordinators. This club facilitates students to exhibit their public speaking ability and also to express their ideas to create social awareness.

Coding or Quiz competitions in Computer Programming is conducted by Coding Club. Students participate in groups and winners are also given certificates.

Literary Club conducts Essay-Writing Competitions and Debates. The Winners are awarded with Prizes and Certificates on Independence Day/Republic Day.

Innovation Club organizes Innovation Fest and students participate with their ideas/models/presentations.

Student chapters of various bodies like IEEE, IETE, and IEI are well-established. Students are benefited with scholarships and funded to conduct events in the organization. The committee has new student members on rolls as chairman and secretary for every academic.

Technical club of EEE conducts events like FETA (Association Day), GENMOTRA (Technical Exhibition) and GETRADI (National Level Technical Symposium) that enhances the engineering skills, soft skills and other technical aspects of the students.

Society of Civil Engineers publishes newsletters annually and conducts department events.

Every year various activities are carried out Cultural Day, Engineer's day, Talent Day, Teachers day, Blood Donation Camp, Technical fests, Annual Sports Day, NSS activities and many more. The Committee comprises of faculty and student volunteers are constituted to plan and mobilize the resources, and organize the event.

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

5.3.3 - Number of sports and cultural events / competitions organised by the institution

3

| File Description | Documents |
|--|---------------------------|
| Report of the event | No File Uploaded |
| List of sports and cultural events / competitions organised per year | View File |
| Upload any additional information | No File Uploaded |

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The alumni association of the Institute started in the year 2011 with name AITS ALUMNI ASSOCIATION. It is literally an inspiration for student community in terms of their social responsibilities targets and preparing to reach their targets. The Institute administration and the senior faculty of all the departments participate in the annual alumni meetings on invitation and seek the alumni advice and support for the development of the institution. The departments seek suggestions of alumni on various developmental activities in view of industry trends. An alumni association of the college has established strong network with the alumni of the college through social networking websites like facebook, twitter etc.,. The association office bearers, with the results of communication is able to organize short term workshops , webinars on technologies, webinar on career guidance and such and such kind of industrialization programs to the student on rolls. The Association is able to capture the internship opportunities, industrial training, and placement opportunities to the students in the industry where alumni are working. It's also the practice that the alumni meetings are conducted once or thrice in physical mode or online mode in the pandemic period for the benefit of student community.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | https://aits-tpt.edu.in/alumni/ |

| | |
|--|-------------|
| 5.4.2 - Alumni's financial contribution during the year | E. <2 Lakhs |
|--|-------------|

| 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 an effective leadership in tune with the vision and mission of the Institution

Vision :

"To Promote Excellence in Technical and Management Education."

Mission :

Strengthen the Learning-Teaching Process for Holistic Development.

Upgrade Physical Infrastructure to meet the Curriculum needs.

Enhance Industry-Institute Interactions to acquire Professional Competency.

Promote Innovation and Research to address Challenges of Society.

Nature of governance: This institution is approved by All India Council for Technical Education and Government of Andhra Pradesh and affiliated to Jawaharlal Nehru Technological University Ananthapur

The Governance of the institution is strictly in accordance with the Vision, Mission of the institution and Quality policy of the management and the norms, standards, systems and practices laid down by AICTE, JNTUA, Government of Andhra Pradesh, state Council for Higher Education.

As per the policies evolved and directions issued by the Governing body of this Institute, various institutional programs and activities are carried-out, while complying with the rules, systems, procedures and practices as laid down by the management. The Principal is responsible for the academic, general and financial administration besides the all-round development of the institution, discipline among all the faculty, staff and students, besides their welfare. Service, leave and conduct rules for employees are prepared in the form policy which clearly defines and stipulates recruitment policies, service rules, leave rules and practices including grievance redressal procedures etc. As the institution grows, different committees have been established and activated to fulfill the requirements of the organisation. Few such committees are grievance redressal committee - employees and students grievances separate committees-Women empowerment committee, Women protection committee, Research Ethics Committee, Institute Ethics Committee, Internal complaints committee, Examination committee, Results committee, Academic Monitoring committee, Anti-Ragging committees etc., are in place and made responsible to transform the organization into committee type of organization.

The performance appraisal of teaching staff includes the feedback by the students and pass percentage of the results by JNTUA of the concerned faculty on a particular subject is analyzed and the needed remedial measures are initiated.

Academic Calendar given by University is further strengthened to incorporate extra and co-curricular activities. The schedule given by the university is strictly adhered to, in terms of instructional works/lab and other service activities like Training Programmes. To ensure maximum participation of students, Aadhar-based biometric system and regulations are strictly followed.

Internal marks are assigned to students based on 80-20 Rule; OBE Strategies like Peer Group Discussions are organized. Tutorial Hours, Remedial Classes, Spell Tests and Practice Tests are conducted to enhance the results. Hands-on-experience in labs/workshop are imparted to provide special skills. Seminars/Workshops/Guest Lectures are conducted to keep in terms with latest technologies. Competence Development can not only be achieved in technology & management but also by imbibing moral/human/ethical values in student as an individual that has been realized as part of curriculum. Courses like Environment Science, Social Values & Professional Ethics, and Green Business Management and NSS Unit helps students to develop among themselves

a sense of social and civic responsibility, and to be ethical in their life and career.

Community Development Programme creates awareness to local community as providing basic skill training on ICT gadgets, conducting surveys and sending reports to concerned authorities, organizing blood donation camps, and mobilizing blood donors to the urgent needs of local General Hospitals are made through NSS.

Student Association Activities like Conferences, Seminars, and Workshops creates an opportunity to students to expose their talents before experts and peers. Entrepreneurship Development Programmes, not less than three are conducted in an academic year, being funded by EDII. AP Innovation Society and APSSDC also provide interface facilities to bridge the gap between curriculum and the market trend. 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. Alumni meetings are conducted to know their well-being and prosperity in their respective careers and inspire the juniors.

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

6.1.2 - Effective leadership is reflected 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 and Principal as member secretary. Principal is authorized signatory for all the sanctions and payments, subject to approval by the Honorable Secretary of the Institute. Budget approvals and utilization for the transactions are maintained in order. Budget is proposed by the Head(s) of the Department based on the academic requirements at the beginning of the academic year. After careful consideration, Principal and with discussion with 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 various Academic / Co-Curricular / Extra Curricular activities. The various activities such as Tech Fests, Annual day celebrations, Sports meet etc, are held with the involvement of HODs, faculty and students. HoDs are authorized to distribute work load to faculty. They are allowed to organize various faculty and student empowerment programs. They propose department budgets at the start of the academic year based on the requirements. Academic Monitoring Committee in association with HoDs prepares plan of action for the entire year. Research Funding Proposals are submitted to any government research agencies. HoD encourages faculty and students to publish papers in various national/international peer-reviewed journals. Workshops and guest lectures are to be organized. Review Meetings for faculty and students are conducted to analyze the Teaching-Learning Process. Feedback analysis has to be done in the middle of the semester and appropriate remedial actions are taken to improve the performance. Result analysis has to be done when the results are published by JNTUA, identify the drawbacks of the previous semester and measures are suggested to overcome those drawbacks in the current semester. Faculty is allocated with subjects and labs of current semester. Course material has to be prepared prior to the commencement of the instruction hours. They should strictly follow the time-table to take their sessions. Activity diary has to be updated at the end of each session. They act as class teacher and counselors to students. They also act as members in various committees. Student's grievances are represented by Student Representative Committee. There is a Lady Representative (LR) and Class Representative (CR) to every class. They communicate to counselors, class teachers, HoD, and Principal based on the need of the issue. They should follow the rules and regulations instructed by the Institute and the University. They are advised to actively participate in all the activities carried by the club, committee, department and college. Examination Section takes the responsibility of conducting Internal & JNTUA External Exams in the campus. They also collect Examination fees from students. All the grievances related to external exams are addressed through them to JNTUA.

| File Description | Documents |
|---|------------------|
| Upload strategic plan and deployment documents on the website | No File Uploaded |
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | Nil |

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Strategy followed by action and results

Admissions strategy - To bring awareness on quality and standards being maintained in the institute in the form of publishing and distributing brochures, publishing advertisements in the news papers. By regularly updating the websites. Telecasting in TV Channels. (Admission progress - Trends in admissions)

Infrasturtucre development - To strictly adhere to the norms of approval bodies to maintain infrastructure requirements - lab equipments, computers, internet bandwidth, softwares, digitalization of classrooms, air conditioning the laboratories etc.,

(Computers new assets available)

Academic performance - Implementing Outcome based Educations, organizing collaborative learning practices, giving awareness levels on blooms levels, result oriented teaching methods, maintaining optimal blend of research faculty, experienced faculty and the young faculty. (Results of passed students - number graduated with percentage).

Training and Placement Strategy - Trainers are chosen every year strictly based on their success rate and skill set available with them and on screening by a committee in the college.

The Management had taken this matter seriously. They conducted several brain-storming sessions with the Principal, Heads of all Departments, and outside university academicians. They prepared a blueprint to be put into practice to improve the quality of education so that the pass percentage will improve. First,

identified the background of the students, and realized that the students who got admission in that course had EAMCET rank ranging from 34,421 to 205,684.

Second is to employ Outcome-Based Education (OBE) Teaching strategy. Effective Counseling System to execute by giving more responsibilities to counselors and class teachers. Remedial Classes to help the slow learners. Spell Test/Grand Tests were introduced where students will write exams before their II Internal Examinations. Many Slip Tests/Class Tests are also conducted by the concerned faculty member. Regularity of students was monitored. The strategy was followed progressively and when they came to final year, the pass percentage reached to 76%. The table shows the percentage of marks per semester as an evidence of implementation of strategic plans in the Institute.

| 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 various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

College Governing Body (GB): The Institution has a Governing Body. It is a Policy making body of the Institution that meets frequently and discusses the agenda prepared by 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. The budget of the current academic year is finalized. All new proposals are discussed and decisions are taken.

| File Description | Documents |
|---|------------------|
| Paste link to Organogram on the institution webpage | Nil |
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | Nil |

| | |
|--|----------------------------|
| 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) Documen | No File Uploaded |
| Screen shots of user interfaces | No File Uploaded |
| Details of implementation of e-governance in areas of operation | No File Uploaded |
| Any additional information | No File Uploaded |

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

Maternity leave on full pay 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. This will be granted subject to the production of Medical Certificate from the Doctor specifying the period of leave recommended. Financial support is provided to attend National/International Conferences. Institute facilitates the faculty members to attend workshops, seminars, FDPs etc. on Official Duty. Partial Finance Support to the extent of re-imburement of registration fee paid and travel fare is given in some cases. Spot Valuation and university assignments are also considered as ON Duty to extent of two weeks in a year. The teaching staff who have completed one year of continuous service in the college shall be eligible for 30 days of vacation leave in a calendar year. Non-Teaching staff are entitled for 7-days of vacation. Medical Camps are conducted for Teaching & Non-Teaching staff. General Medical Facility in the campus is available with in-house Doctor and transport services will be provided to move a patient in case of emergency. Transport facility is given to all teaching/non-teaching staff at concessional cost. Few Staff wards are given fee concession in tuition fee payment towards their children fee based on their economic status. Sizable increment to the extent of 5000rs is given to the faculty member if he/she gets Doctoral Degree during their service in the Institute. The faculty member will be given promotion based on academic performance indicators, appraisal

forms and up gradation of qualification during their service. All eligible non-teaching staff are covered under EPF and ESI as per the act.

Appreciation Certificates to the faculty who secured best API Score are being given

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

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

0

| 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) | No File Uploaded |

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

0

| File Description | Documents |
|--|------------------|
| Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres) | No File Uploaded |
| Upload any additional information | No File Uploaded |

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

50

| File Description | Documents |
|---|------------------|
| Summary of the IQAC report | No File Uploaded |
| Reports of the Human Resource Development Centres (UGC ASC or other relevant centers) | No File Uploaded |
| 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

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 |
|---------------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

11.79

| File Description | Documents |
|---|---------------------------|
| Annual statements of accounts | No File Uploaded |
| Details of funds / grants received from non-government bodies, individuals, philanthropists during the year | View File |
| Any additional information | No File Uploaded |

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

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 a quarterly basis. Whenever any deviation occurs in the budget, respective HODs have to address the issue and give justification so that subsequently the same will be approved. Following this procedure, unnecessary purchases are avoided and the available funds are effectively utilized. After the tuition fee collection, the institution will start fixed deposits according to the requirement.

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 AP government. Tuition Fee fixation is done by Andhrapradesh higher education regulatory and monitoring commission (APHERMC) based on past three years expenditure. Institution constantly explores possibilities for getting contributions 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.

Fund Proposals Submission to Government Research Agencies like DST, AICTE, UGC, etc. to get proper financial support to implement effective Research & Development centre in the institution. These funds will be utilized in strengthening the infrastructure in terms of research labs and the labs on advanced technologies to train the students. 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.

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

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made

during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

1. Constitution of academic monitoring committees (AMC's) ,college student council for effective monitoring of academic
2. Feedback analysis and corrective measures
3. Collaborative learning practices in the teaching learning system for enhanced and improved learning
4. Grievance Redressal Committee cell exclusively for students in the style of student grievance redressal committee is made active to find quick redressal on issues and the committee has been convened by the additional controller of examination.
5. Students and faculty are consistently encourage to go through SWAYAM activities, to go through more e-content and get online certifications.
6. Curriculum redesign, choice based credit courses CBCC, Skill oriented courses in each semester, outcome based education are all set under autonomy and paved the way for implementation of NEP national education policy
7. Effective mentor-mentee system (1:20) is in place to advices the students on academic prioritizing and extra curriculum activities.
8. R &D cell Research centre established and encourages the students and faculty to publish their papers in reputed journals and also to pursue their research projects through this centre. IQAC strictly verifying the academic and administrative audit process and their advises to implement on continuous basis.
9. IQAC has been strictly verifying appraisal forms and API's

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

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The Internal Quality Assurance Cell was established in the year 2014. The cell headed by Principal, HODs, Senior faculty, Alumni and professionals drawn from outside. It takes care of the quality on teaching learning process 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 College Academic Council (CAC), results committee, academic monitoring committee, student grievance redressal cell, R&D committee (research committee), news letter and college magazine committee etc.,. The IQAC also conducts meetings with committees every 6 months and reviews their progress. The IQAC ensures to monitor and review the operations of the various committees in the institution and to establish new procedures with high standards. Here is provided two initiatives by the institution on strengthening the teaching and learning process.

1. Question Papers both internal and external are with specific formats containing Blooms levels CO's, PO's etc., to sensitize the faculty and students on the importance of OBE and on quality perspectives.

2. On-line feedback on teaching learning process from students:

Online Feedback on teaching learning process allows students to select particular subject and respective teacher to give feedback about teacher and subject. It is a feedback generation system which gives proper feedback to teacher provides the proper feedback to the teachers about their teaching quality on basis of rating Excellent, very Good, Good, Average, and Below Average.

In the existing system, student gives feedback manually. In existing system report generation by analyzing all feedback form is very time consuming. The IQAC has review the process of the existing system with the Academic Monitoring Committee and advised the committee to implement on-line feedback system in the college. In online feedback system student gives feedback for teacher of particular subject for particular period of time may be at month/Semester end. Feedback is send to HOD of particular department as well as all departments' feedback to principal. HOD has rights to whether feedback shows to respected teacher or not. After analyzing report HOD or Principal conducts the meetings for staff individually by send the message. The on-line system assessment is the systematic collection and analysis of information to improve student learning in the institution.

3. Internal Audit system introduced for scrutinizing of the mid

exam answer scripts:

At AITS, Tirupati the evaluation is an integral part of the teaching-learning process. The evaluation is through mid tests and semester end exams. This comprehensive internal evaluation is the total responsibility of the teachers teaching the courses. The Institute is affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA) and obtain autonomous in the year 2019-20 and in autonomous mode with AK19,AK20 regulations.

As per the current academic regulations, the evaluation pattern comprises of continuous internal evaluation (30%) and external evaluation (70%) to gauge the knowledge and skills acquired at various levels of the courses and program. For practical subjects, internal assessment is for 30 marks and the external assessment is for 70 marks. For continuous internal evaluation in theory subjective and objective tests are conducted twice per semester. Final Internal marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 80% weightage to the better mid exam and 20% to the other. If the student is absent for any one midterm examination, the final internal marks shall be arrived at by considering 80% weightage to the marks secured by the student in the appeared examination and zero to the other. Students are obliged to take both Internal Examinations.

The IQAC has reviewed the existing system on internal assessment and asked the College Academic Committee to strengthen the evaluation by adopting the internal audit on scrutinising the answer scripts.

Further it is also suggested that the Internal Answer Scripts must be scrutinized by the senior faculty/subject expert to check the evaluation done by the concerned faculty. The evaluation system adopted by the Institution of both mid-term examinations on continuously. The answer scripts are also given back to the students after evaluation for their information which provides transparency and accountability to the evaluation process. With this new method observed that the assessment accuracy has been improved and also helped the teachers to measure the performance of the students.

Academic monitoring committee constituted in the departments collect feedback also and work for corrective measures to improve quality. HoD's concerned shall bring in corrective measures in

case of issues pointed out through student counselors.

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

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

| File Description | Documents |
|--|------------------|
| Paste the web link of annual reports of the Institution | Nil |
| Upload e-copies of accreditations and certification | No File Uploaded |
| Upload details of quality assurance initiatives of the institution | No File Uploaded |
| Upload any additional information | No File Uploaded |

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

The Institution has generated around 35% of employment to women.

a) Safety and Security

Out of 7 departments, 4 departments are led by women and fair balance has been achieved. HoD plays a key role in discipline affairs, implementation of code of conduct and to conduct awareness programs by the experts from different walks of life. Because of this, many issues that are presented in and off campus

pertaining to our girl students and women staff are solved in an effective way.

Lady-guards are only deployed as security guards for girls' hostels. 24 x 7 security has been provided to hostels. Physical director is also a woman, as more focus has been there on girls, to involve them in better physical security. CCTV cameras are commissioned in the entire campus and in few strategic points in hostels.

b) Women Empowerment Cell and Women Protection Cell are in place

The Women Empowerment Cell functions with the following purposes;

1. To help women students to understand their strength and potential
2. To create a conducive counseling environment for female gender to share their problems
3. To convene various sensitization programmes.
4. To promote a culture of respect and equality for female gender
5. The provision of opportunities and programs for female gender to be financially, mentally and emotionally empowered so as to promote their growth as individuals in their own right.
6. To bring together women organizations, government agencies, decision makers, academicians and technologist to share knowledge and ideas in the relevant fields

The Women Protection Cell functions with the following purposes;

1. to make them aware of their rights,
2. to help them in knowing the importance of good health and nutrition and facilities available for them,
3. to help them in developing decision making abilities and be self-dependent,
4. to help them in raising their voice against all kinds of discrimination,
5. to help them in changing their mind setup,
6. to assist them in overall development of their personality, and
7. to help community women in knowing about reproductive health care and child care.

c) During the International conference many gender committee programs research articles are presented during the international conference held

d) Counseling

In the beginning of every academic year, it is mandatory by government to conduct awareness programmes on eve-teasing and anti-ragging by external experts of concerned department like judiciary, police officials etc., to highlight on major issues.

e) Common Room

The Institution has established a separate room (exclusively) to take rest, if required and it is provided with other facilities required for women. For any medical assistance, the doctor is also available in the campus.

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: 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 |
|--------------------------------|---------------------------|
| Geotagged Photographs | View File |
| 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 a maximum of 200 words)

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, rubber or plastic 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. More or less broken down computers, keyboards, electronic gadgets will be exchange to the suppliers. Metallic waste, paper waste will have certain value, it is collected through separate containers and give it 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 |
| Geotagged photographs of the facilities | No File Uploaded |
| Any other relevant information | 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 | A. Any 4 or all of the above |
|--|------------------------------|

| File Description | Documents |
|--|---------------------------|
| Geotagged 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 |
| <ol style="list-style-type: none"> 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 |
|--|------------------|
| Geotagged photos / videos of the facilities | No File Uploaded |
| 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 undertaken by the institution

| | |
|---|------------------------------|
| <p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5.Beyond the campus environmental promotional activities | A. Any 4 or all 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 |

| | |
|---|------------------------------|
| <p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance,</p> | A. Any 4 or all of the above |
|---|------------------------------|

reader, scribe, soft copies of reading materials, screen reading, etc.

| File Description | Documents |
|--|------------------|
| Geotagged photographs / videos of facilities | No File Uploaded |
| Policy documents and brochures on the support to be provided | No File Uploaded |
| Details of the software procured for providing 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, socio-economic and other diversities (within a maximum of 200 words).

The institute is proactively taking efforts in providing an inclusive environment. The initiatives are to promote better education, economic upliftment of the needy and setting communal harmony. ... The extension activities are targeted towards enabling a holistic environment for student development.

NSS Unit has been organizing programs in and off campus for the benefit of community. The activities boost confidence in students and inculcate social values.

The Institute has an NSS unit through which the students will actively participate in various service activities like regular blood donation camps, tree plantation, rallies on health awareness, digital literacy program etc.,

The College also encourages the students to participate in various cultural and literary activities and 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 in which students explore their talents. The students participate with zeal in many cultural activities. These Activities helps to build communities by fostering an appreciation for the arts.

The Institute organizes yoga classes for the student and faculty periodically by the yoga masters. Institute takes support from Ramakrishna Mission to conduct spiritual awareness programs

Unnath Bharath Abhiyan centre:

Actually UBA cell has been established in New Delhi with vision of Bringing of transformational change in Rural development process by leveraging knowledge institutions to help build the architecture of an inclusive India. Our Institute is figured out as the participating institute in community development- Choosing 5 villages in Sri Venkateswara veterinary University, Tirupati chittor district of Andhra Pradesh

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

7.1.9 - Sensitization of students and employees of the institution to 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 transform students into responsible citizens | No File Uploaded |
| Any other relevant information | No File Uploaded |

| | |
|--|----------------------------|
| 7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the Code of Conduct are organized | A. All of the above |
|--|----------------------------|

| File Description | Documents |
|--|------------------|
| Code of Ethics - policy document | No File Uploaded |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, 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 |
| <p>The Institution organized various programs on national festivals and also birth/death anniversaries of the great Indian personalities for remembrance. Provided the information in the attachment.</p> <p>REPUBLIC DAY CELEBRATIONS</p> <p>72 nd Republic Day Celebrations was held at AITS Tirupati campus on 26th January 2021 with lots of enthusiasm and patriotism. The Management, Principal, Faculty and the students flashback on the</p> |

legends who spared their lives during Indian Independence Movement.

INDEPENDENCE DAY CELEBRATIONS

The college celebrated country's 75th Independence Day to pay tributes to the freedom fighters that fought for the independence of our country. The Principal, Dr. C. Nadhamuni Reddy spoke to the gathering on the real meaning of freedom, stressing that today it is more a freedom for than a freedom from. He emphasized that freedom means to choose the right, the noble, the just, the true, turning from selfishness to selflessness, from greed to generosity, from falsehood to sincerity. Finally he extended warm wishes to the staff and students on independence celebrations.

CELEBRATIONS ON TEACHERS' DAY.

AITS, Tirupati celebrated Teachers' Day on 5th September 2021 as a mark of tribute to the contribution of the former President Dr. Sarvepalli Radhakrishnan, a well known scholar, teacher and a motivator. The Principal garlanded Sarvepalli Radhakrishnan's portrait and commemorated his work in education.

Later, Mrs.B.Rupa Devi, HOD of CSE, addressed the gathering and said that, "Role of education is the backbone for every successful student". Faculty and students participated in the event.

ENGINEER'S DAY 2021 CELEBRATIONS

The 70th Engineers Day was celebrated with great pomp and grandeur at AITS, Tirupati on 15th September, 2021. In this event Dr. C Nadhamuni Reddy, principal has delivered his speech regarding up gradation of technologies and handling of innovative projects to students.

PEACEDAY CELEBRATIONS

In collaboration with ISKCON, Tirupati, NSS unit organized Peace Day Celebrations in college Campus on 21st September 2021.

The 2021 theme for the International Day of Peace is "Recovering better for an equitable and sustainable world". Celebrate the day by spreading compassion, kindness and hope against Pandemic. As Dalai Lama expressed that "Peace does not mean an absence of

conflicts, differences will always be there. Peace means solving these differences through dialogue, education, knowledge; and through humane ways. Mr. Gnana Kumar, a representative from ISKON expressed that Peace attainment is possible through Meditation. One can gain Light heart, concentration, focus, memory and compassion. He said that love is the centre for peace. Later Principal expressed that one who has peace in himself definitely there will be peace in his home

| File Description | Documents |
|--|------------------|
| Annual report of the celebrations and commemorative events for during the year | No File Uploaded |
| Geotagged photographs of some of the events | No File Uploaded |
| Any other relevant information | No File Uploaded |

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practice-I 1. Title of the Practice: Women Empowerment 2. Objectives of the Practice Women constitute more than 50 of the total student strength of the college. The majority of them come from drought and famine-ravaged rural areas, where miserable conditions of utter poverty, illiteracy, ill-health and superstition take hold of their lives. Thus they are doubly affected by the backwardness and discrimination. So, the college has resolved to take up the cause of Women Empowerment for the women students with the objectives of-

- Mentoring women students on women specific issues with teacher.
- Creating an environment through awareness programmes to enable the students to realize their full potential for learning and solving their problems independently
- Arranging special sessions with the police and social activists for enabling the female students to be aware of several types of 'evil designs' by professional criminals for the worst type of exploitation taking the advantage of their innocence and gullibility.

- Dealing amicably with the student victims of exploitation of all sorts maintaining utmost confidentiality of the private life to protect their dignity.
 - Involving social activists and Government officials to enlighten the students on human rights and fundamental freedom for equal rights and opportunities.
 - Organizing debates and discussions on gender equality to enable the students to realize gender sensitization, thus leading to more equality and harmony in family and society.
 - Conducting seminars and special sessions on ragging, eve-teasing and dowry system to expose the ill effects of the evils.
 - Organizing the exclusive health camps for students by doctors for free treatment of health related problems and conducting awareness programmes on the importance of sanitation, personal hygiene and prevention of seasonal diseases.
 - Tackling the social, developmental, health consequences and prevention of HIV/AIDS from a gender perspective.
3. The Context • As the gender sensitization programmes designed revealed several disparities and inequalities, that we might not have noticed earlier, people especially the other gender, argued discussing gender and gender roles would break up families and destroy society.
- Similarly, the various legal protective provisions for women were misunderstood as undue favour meant to belittle men.
 - Even some teachers supporting the argument often opined that the change was difficult to be accepted as the ideas emanated from these seminars/workshops/debates on gender inequalities appeared new and startling.
 - Some parents even found fault with the college that their children were detained in the college beyond working hours for unconnected and counter productive programmes.
 - Under these circumstances, the college has thought it appropriate to forge ahead with the objective implementations the objective for which an exclusive cell is created.
4. The Practice

Discrimination against women even in the 21st century is a Devastating reality. That is why 'gender inequality' has been a matter of serious concern across the globe and within the countries. India still has along way to go before achieving gender equity and empowerment of women. Especially, the rural areas are ravaged by the miserable conditions of abject poverty, illiteracy, ill-health and superstition. The college girls account for 52 of the total strength and most of them come from rural areas. The majority of these girls belong to the weaker sections including scheduled caste, scheduled tribes, other backward classes and minorities without proper access to education, health and other productive resources. Therefore, they remain largely as the marginalized poor and socially excluded. Joining a college in the town and acquiring higher education involve money and higher things. So the poverty-stricken and tradition-bound parents reluctantly admit their daughters to colleges. Being the most vibrant and dynamic segment, the youth including girls, is our most valuable human resource. We cannot afford to neglect our female force to be the victims of discrimination, exploitation and segregation. So the college resolved to empower female students to face the vicissitudes of life boldly and successfully for a life of peace, harmony and dignity. To achieve the aim, the college established a Women Empowerment Cell (WEC) with a senior woman teacher as its Coordinator and three other senior women teachers as its members. All female students are eligible to take membership of the Cell irrespective of their status. The Coordinator and the members of the unit meet frequently and decide to the conduct of awareness sessions during leisure hours sensitizing the girls to know why and how they are given subservient role in spite of their equal or even more abilities than their counterparts. They also draw an annual action plan for organizing various awareness programmes /seminars /workshops and interactive sessions. The Principal along with the Coordinator monitors the implementation of the plan. The Coordinator and the members are responsible for the implementation of the programmes in consultation with NGOs and Government officials from the Department of Social Welfare, Adult Education, Women and Child Welfare, Judiciary and Medical Departments. The Women Empowerment Cell is working for the protection of women's rights and actively empowers women creating conditions for gaining confidence in their abilities. It aims at curbing the social evils like eve-teasing, ragging and dowry system providing necessary counselling and guidance by professional women counsellors, social and rights activists, enlightened academics and professional psychologists and psychiatrists, so that the women students become aware of unjust

gender discrimination, the human rights, the legal provisions available for their protection, importance of higher education for higher enlightenment, mental and physical fitness. 5. Evidence of Success Dr. I. Suneetha, Professor along with members of WEC sensitized women students on gender issues to relieve them of their negative feelings of inequality, diffidence and shyness in varied socio cultural contexts and successfully and Cultural Competitions organized. 6. Problems Encountered and Resources Required The modest and diffident students were reluctant to cross their academic borders affecting the successful conduct of awareness programmes. Women students' impulsiveness in the matter of love in the adolescent age is a sensitive issue to be dealt with by women teachers. Organizing various programmes during working hours, sometimes, has led to sacrificing the class work. Implementation of the annual plan and its monitoring has become a tough task in view of tight academic schedule in the autonomous ambiance.

Best Practice-II 1. Title of the practice: Enrichment of teaching methodology through ICT 2. Objectives of the Practice: ? To promote chalk and talk method to technological method ? To motivate students towards innovative learning. ? To have unlimited resource in support of learning. ? To accelerate the teaching and learning efficiency ? To increase knowledge comprehension, practical skill and presentation skill 3. The context: 21st Century is the century of technology. Technology which is used in all aspects of life. Information and communication Technologies is potentially powerful tool for extending educational opportunities. ICT plays very important role in the development of knowledge. ICT has changed the teaching and learning process. Today Education has become student centered due to ICT. ICT has changed the traditional methods in teaching and learning process and introduced new methods which are effective and useful for students. There is a belief that ICT can empower teaching and learning process. Transforming teaching and learning processes from being teacher centric to student centric. Nowadays the role of Information and Communication Technology (ICT), especially internet in the education sector plays an important role. Educational ICT through curriculum integration has a significant and positive impact on student achievement, especially in terms of Knowledge Comprehension, Practical skill and Presentation skill in many subjects. Hence, we choose "Enrichment of teaching methodology through ICT" is one of our best practices. 4. The practice: Information Communications Technology (ICT) enabled teaching methodologies are being followed by the faculty members in class rooms as a complementary tool for conventional teaching

methods. The use of multimedia teaching aids like, LCD projectors, smart classrooms and internet enabled computer systems are usually employed in class room. With the help of internet, anyone can browse e-books, subject matter, research article etc. ICT training for teacher was organized from 16th July 2018 to 21 July 2018 in the department of computer Science. The faculty of computer science department our college made this event successful by engaging as resource persons. 5. Evidence of success: Information and communication Technology is playing an important role in education. ICT can make teaching and learning process more effective and easier. Teaching and learning has become student centered due to ICT. Students are performing better using ICT tools rather than traditional method teaching method. The faculty members have benefitted by the multimedia presentation, video lectures etc. 6. Problems encountered and resources required No major problems encountered. Lack of technological support like range of wi-Fi , internet etc.

| File Description | Documents |
|---|-----------|
| Best practices in the Institutional website | Nil |
| Any other relevant information | Nil |

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Psyche and intellect dominates physical skills: Graduates / Post-graduates of Engineering / Business Management are expected to go out with the right skills to get into their desired career and flourish. Hence, striking few keywords of the institute's vision statement & mission statements, management of this institution aims to see growth in placements, internships and the admissions into higher degree through success in entrance examinations.

Institution has MOUs with online assessment partners, training consultancies and arranges 1. Industrialization programme to the final year students every year for 42 hours which helps the students to understand workplace environments, trends in technologies / advances and to plan for their career. 2. Campus Recruitment training for 100 hrs to the final year registered students to impart suitable interview skills. Trainers / Experts from consultancies do engage in CRT.

In addition to the inputs of this kind, teachers specialized in programming languages and mathematical aptitude engage in the 'instruction' and conduct practice sessions in laboratories. Teachers experienced and well qualified in English communications are involved in British Council's English communication Skills Project (Collaborative Project of APSCHE & British Council) and additional inputs are given to the teachers through 'Train the Trainers' Programme and then special Training Programme on English communication to the 600+ registered students of 1st and 3rd level goes on.

Special impetus shown in this direction resulted in growth rate of placements, internships & performances in entrance exams to PG studies

| File Description | Documents |
|---|------------------|
| Appropriate link in the institutional website | Nil |
| 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 getting admitted from the academic year 2021. 5 mandatory skill development courses are one in each semester, two internships one each at the end of second year and another at the end of 3rd year and project internship in the final semester are note worthy additions in the new curriculum. It is intended to implement the curriculum to realize the benefits or outcomes in the coming 4 years. As the curriculum is growing, Institution has planned to conduct Boards of Studies meetings in 2021-22 also to pursue the updates required and for evolving strategies for effective implementation of the curriculum.
- Based on the changing trends in the job market and in the advent of new technologies, college has applied for the new programmes by revamping the earlier intake and introduced B.Tech: AI&DS and B.Tech-CSE (IoT and Cyber Security with Blockchain Technologies) from the AY 2020-21 and accordingly new laboratories are established. IoT lab already

established and AI lab is established in association with IBM in our campus. MODROB grant of Rs. 8.1 Lakhs by AICTE is granted to the Institute for modernization of Embedded Systems Lab and the Institute is developed and few training programs for students and staff are scheduled in 2021-22.

- As the NAAC underlines the importance of creating an innovation ecosystem in higher educational Institution Entrepreneurship, Innovation and Startups Centre (EISC) is constituted in the college, mainly for transfer of products and services and to encourage entrepreneurial initiatives and startups in the institution. Few startup ideas of the students are being studied and suitable panel of experts are identified to get the budding entrepreneurs be connected to the experts and strengthen the startups towards commercialization.
- Constant encouragement is given to the faculty to write the research proposals to the funding agencies and to get the fund support from them. Going by the records fund support by the agencies has been in the rise.