



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	AURORA'S TECHNOLOGICAL AND RESEARCH INSTITUTE
Name of the head of the Institution	Jakka Venkatesh
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04029888909
Mobile no.	9100999999
Registered Email	director@atri.edu.in
Alternate Email	admin@atri.edu.in
Address	Parvathapur, Uppal
City/Town	Hyderabad
State/UT	Telangana
Pincode	500098

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Srikanth Jatla
Phone no/Alternate Phone no.	04029888909
Mobile no.	9100000111
Registered Email	iqac@atri.edu.in
Alternate Email	jsrikanth@atri.edu.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	_https://www.atri.edu.in/naac-aqar.html
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.atri.edu.in/academics_academic-calenders.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.17	2018	26-Sep-2018	25-Sep-2023

6. Date of Establishment of IQAC	12-Jun-2017
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Two Day State Level	24-Jun-2019	99

Workshop on	2	
Training Program on Soft Computing Applications in Power Systems by EEE department	24-Jun-2019 4	10
Two Day State Level Workshop on Embedded Applications using Arduino by ECE Department	24-Jun-2019 2	96
Three Day Workshop on IOT by CSE department	24-Jun-2019 3	97
Two Day Workshop on 5G Technology by CSE department	24-Jun-2019 2	79
Two Day Workshop on Virtual Reality & Augmented Reality by IT department	24-Jun-2019 2	24
Five Day FDP on Emerging Technologies in Robotics	24-Jun-2019 1	23
Training Programme on implementation of Coursera for faculty	24-Jun-2019 1	172
MoU from Henotic Technologies Pvt.Ltd	30-Nov-2019 365	1762
Workshop on Application of Remote Sensing and GIS by CE department	30-Nov-2019 1	110
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	NSS	JNTUH	2020 365	44000
Institution	NSS Special Camp	JNTUH	2020 7	45000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
<p>"Teaching Learning Practices: 1. Implemented open source online learning technologies such as Lark and Edwisely for conduct of online classes with video conferencing facility and online examinations during the pandemic. 2. Adopted the use of virtual laboratories and conducted lab sessions for all the students during the pandemic."</p>	
<p>"Research and Development and Extension Services: 1. Established a Centre of Excellence in Data Science and Artificial Intelligence to encourage students to take up certification programmes, internships in Data Science and AI and develop projects in these areas. 2. MHRD's Institutions Innovation Council has conducted various programmes to inculcate innovation among students and organised internal Hackathons. Students shortlisted in internal hackathons have participated and won first prize in National Level Smart India Hackathon during this year. 3. NSS unit II was established to involve more students in extension activities."</p>	
<p>Curricular Aspects: 1. Applied for B.Tech programme in Artificial Intelligence and Machine Learning to AICTE with an intake of 120 and got approval for the academic year 202021. 2. Registered with Coursera to offer various online value added programmes and certification courses from international reputed universities, free of cost to students, alumni, faculty and staff.</p>	
<p>"Professional Development: 1. Conducted workshops and training programmes for faculty and students on 5G Technologies, Virtual Reality and Augmented Reality, Internet of Things, Mobile Making and Robotics, Data Science, Applications of Remote Sensing and GIS, VMWare, Industrial Automation with PLC and SCADA, HVAC Design and Drafting, etc. 2. Encouraged faculty, staff and students to enrol for various courses in NPTEL and other MOOCS including Coursera. Many faculty have received mentor certificates and students and faculty have received Top 1% with Elite+Gold certificates. The NPTEL chapter of the institution has received AA rating along with SPOC and was placed among the top 40 institutions across the country. 3. Reached MoUs with 9 industries during the academic year to improve industry institute interaction and encourage students to take up internships. Around 423 students have taken up internships during the year."</p>	
<p>"Examination Reforms: Taken the initiative to conduct examinations online during the pandemic following Blooms Taxonomy using Edwisely, Lark and other technologies."</p>	
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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
Improve pass percentage of students by implementing TLP using ITL methodologies	The pass percentage of students has improved during the academic year 2019-20.
Involve more faculty in NPTEL courses as mentors to improve student enrolment in e-learning	Several faculty members have registered for NPTEL courses and were granted with 21 mentor certificates from NPTEL. Many have also secured EliteGold certificates. The institution and the SPOC have secured AA rating and the institution was placed among top 40 institutions across the country. A maximum of 250 students have enrolled in each NPTEL course recommended by the institution with a total 929 student enrolments.
Organise faculty development programmes, workshops and seminars for faculty, staff and students	Organised nearly 50 programmes for faculty, staff and students covering various areas.
Reach MoUs with organisations in order to increase the number of student internships	MoUs were reached with 9 new organisations and 423 students have taken up internships in academic year 2019-20
Start new unit under National Service Scheme to encourage extension activities	NSS Unit II is established and more students have enrolled and offered services under extension activities
Establish Centre of Excellence in the department of Computer Science and Engineering	A Centre of Excellence in Data Science and Artificial Intelligence is established in association with Henotic Technologies Pvt. Ltd.
Encourage innovation by conducting hackathons and motivating students to participate at national level hackathons	One team of students shortlisted in internal hackathons have participated in National Level Smart India Hackathon and won first prize
Create smart classroom and additional laboratories	One smart classroom and three laboratories are established including Machine Learning, Geographical Information Systems and Electrical Workshop Design Laboratory
Improve percentage of students placed on and off campus by conducting CRT programmes and other career development programmes	101 students were placed on campus and 144 students were placed off campus which is higher than the previous year.
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	02-Jul-2021
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	30-Mar-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The institution has implemented a Cloud Based Centralised Campus Management System (CCMS) developed by Mastersoft. The system is a future ready solution using cloud technologies and supports complete automation of all operations. The system also has mobile apps for faculty and students for accessing the information stored on the cloud seamlessly. The following modules are implemented and are currently operational in the institution: Academic Management System (Online Admission and Fee Collection, Students Administration(TC/LC)), Timetable Student Attendance - App Based (Student Time Table, Teachers Time Table, Attendance reports - daily , monthly, teachers load), Learning Management System (ITLE) (Syllabus, Teaching Plan and Lecture Notes, Assignments Announcements, MCQ and Descriptive Test, Assessments, ELibrary and Discussion Forums), Human Resource Management System (Payroll Leave, Establishment), Library Management, Mobile Applications (Staff, Students), Test Prep for Online Examinations.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution follows the curriculum prescribed by JNTUH for all the courses offered. To ensure effective curriculum delivery, the institution follows the process given below: - The curriculum analysis committee of the institution having heads of the departments and other senior professors as members analyses the curriculum based on the industry requirements, syllabus of the competitive examinations and curriculum of other universities, and identifies various gaps. - The committee also proposes various measures to cover the gaps, which include bridge courses, adjunct courses, add-on courses, etc. and submits recommendations to the Governing Council. - The Governing Council conducts a meeting and approves the recommendations put forth by the committee on a case by case basis and permits the institution to implement the suggestions. - The institution then incorporates the measures into the academic calendar and prepares the institution calendar without any deviation from the academic calendar prescribed by the affiliating university. - The institution ensures effective implementation of its calendar through a well-planned and documented process given below: - Before the beginning of the semester, preference of the subjects willing to be taught by the faculty members is collected in a fixed format. - Subject allocation is done based on the preferences given and workload allocation for each department is finalised after taking approval from the Principal. - Each faculty member shall prepare the following for each allotted subject: Course prerequisites, Course outcomes, Session plan, Assignment questions, Question bank - Session plans are also prepared for lab subjects, projects, and ITL methods. - A handbook is prepared with the above information for all subjects, including a calendar, academic rules and regulations, and other relevant information for each section of students and is shared with them. - Faculty members prepare course files which are shared with the students. - Based on the workload allocation, timetables are prepared by the timetables preparation committee with members from all the departments and are approved by the Principal. - Based on the gaps identified, more number of hours are allotted to certain subjects than that prescribed by the affiliating University. - Faculty members are ensured to follow the session plans strictly by collecting weekly syllabus completion status reports and are provided with extra classes in case of additional requirement. - Adherence to syllabus completion as per session plans is also monitored through attendance registers where faculty members write the topics covered in each lecture. - Class teacher meetings are conducted periodically to identify weak students and conduct remedial classes. - Feedback from students is obtained twice in a semester for each course on various aspects of teaching learning process. - Internal exams for theory and practical subjects are conducted as per schedule from the affiliating university. - Contents beyond the syllabus are taught through guest lectures by experts from the industry, industrial visits and e-learning. - In laboratory subjects, additional experiments are added to cover contents beyond the syllabus. - Periodic meetings are conducted by the principal with HoDs to review timely completion of syllabus.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Three Day National Level Workshop on "Mobile Making and Robotics" by ECE	Nil	23/09/2019	3	Employability	Acquire knowledge in making Mobile and Robot using ArduinoAcquire knowledge in making

Department						Mobile and Robot using Arduino
Short Term Training Program on Python by CSE department	Nil	27/01/2020	12	Employability		Trained in different modules available in Python
Short Term Training Program on IOT by CSE department	Nil	27/01/2020	12	Employability		Trained in automation techniques using Arduino
Short Term Training Program on Data Science by CSE department	Nil	27/01/2020	12	Employability		Trained in various algorithms of data science
Three Day Workshop on IOT by CSE department	Nil	26/08/2019	3	Employability		Acquire knowledge in simulating smart behavior and supports in decision making
Two Day Workshop on 5G Technology by CSE department	Nil	29/08/2019	2	Employability		To Enhance the knowledge of students on Recent Trends in 5G wireless technology
Two Day Workshop on Virtual Reality Augmented Reality by CSE department	Nil	03/09/2019	2	Employability		To Enhance the knowledge of students on Virtual Reality and the availability of content and computing power.
One Day workshop on VMWare by CSE department	Nil	06/03/2020	1	Employability		To deploy and manage virtual machines, templates, clones and snap shots

Short Term Training Program Python by IT department	Nil	27/01/2020	12	Employability	Trained in different modules available in Python
Short Term Training Program on IOT by IT department	Nil	27/01/2020	12	Employability	Trained in automation techniques using Arduino
Short Term Training Program Data Science by IT department	Nil	27/01/2020	12	Employability	Trained in various algorithms of Data Science
Three Day Workshop on IOT by IT department	Nil	26/08/2019	3	Employability	Acquire knowledge in simulating smart behaviour and supports in decision making
Two Day Workshop on 5G Technology by IT department	Nil	29/08/2019	2	Employability	To enhance the knowledge of students on Recent Trends in 5G wireless technology
Two Day Workshop on Virtual Reality Augmented Reality by IT department	Nil	03/09/2019	2	Employability	To enhance the knowledge of students on Virtual Reality and the availability of content and computing power.
One Day workshop on VMWare by IT department	Nil	06/03/2020	1	Employability	To deploy and manage virtual machines, templates, clones and snap shots
NPTEL Certificate Course on Blockchain	Nil	01/07/2019	84	Employability	Acquire knowledge in Blockchain Architecture

Architecture Design and Use Cases					Design
NPTEL Certificate Course on Developing Soft Skills and Personality	Nil	01/07/2019	84	Employability	Softskills and Personality development
NPTEL Certificate Course on Digital Circuits	Nil	01/07/2019	84	Employability	Analyzing and understanding the Digital Circuits
NPTEL Certificate Course on Industrial Safety Engineering	Nil	01/07/2019	84	Employability	Understanding the safety standards and norms of Industries
NPTEL Certificate Course on Introduction to Internet of Things	Nil	01/07/2019	84	Employability	Understanding the basics of IOT
NPTEL Certificate Course on Introduction to Machine Learning	Nil	01/07/2019	84	Employability	Analyzing of data using Machine Learning
NPTEL Certificate Course on Manufacturing Systems Technology Part I and II	Nil	01/07/2019	84	Employability	Understanding the dynamic changes in the Manufacturing systems
NPTEL Certificate Course on Noise Management and Control	Nil	01/07/2019	84	Employability	Understanding the Noise management and Control in Industries
NPTEL Certificate Course on Operating System Fundamentals	Nil	01/07/2019	84	Employability	Gains knowledge in fundamentals of Operating Systems

NPTEL Certificate Course on Principles and Techniques of Modern Radar Systems	Nil	01/07/2019	84	Employabil ity	Understand ing the Principles and Techniques of Modern Radar Systems
Short Term Training Program on HVAC Design and Drafting by ME department	Nil	17/01/2020	15	Employabil ity	Students have gained Knowledge in Fundamentals of air conditioning and refriger ation Identi fication of components in ACR systems also studied Differences, types, and c lassificatio ns of refrigerants and oils
Short Term Training Program on " Embedded System Design and IOT " its applications by ECE department	Nil	24/02/2020	15	Employabil ity	Understand fundamentals of IoT and Embedded Systems including essence, basic design strategy and process modeling.
Short Term Training Program on " Verilog Design " its applications by ECE department	Nil	24/02/2020	15	Employabil ity	Verify and design the digital circuit by means of Com puter-Aided Engineering tools which involves programming with the help of Verilog HDL
Two Day State Level Workshop on "Embedded	Nil	27/08/2019	2	Employabil ity	Gains knowledge in Design and validate the

Applications using Arduino" by ECE Departmnet						interfacing of different Sensors with Arduino
NPTEL Certificate Course on Programming, Data Structures and Algorithms Using Python	Nil	01/07/2019	84	Employability		Acquire programming skills, Object Oriented Skills in core Python.
NPTEL Certificate Course on Social Networks	Nil	01/07/2019	84	Employability		Analyze a social network through data wrangling and visualizing a network
NPTEL Certificate Course on Software Project Management	Nil	01/07/2019	84	Employability		Gain knowledge of software economics, phases in the life cycle of software development. project organization, project control, and process instrumentation
NPTEL Certificate Course on The Joy of Computing using Python	Nil	01/07/2019	84	Employability		Gain knowledge about basic Python programming syntax and semantics to write Python Programs
NPTEL Certificate Course on An Introduction To Programming Through C	Nil	01/07/2019	84	Employability		Understand the advantages and features of OOP over procedural programming and familiarizing with the standard

					template library and CMake, a tool for building, testing, and packaging software
NPTEL Certificate Course on Basic Electric Circuits	Nil	01/07/2019	84	Employability	Analyzing and understanding the Basic Electric Circuits
NPTEL Certificate Course on Computer Vision	Nil	01/07/2019	84	Employability	Understand and master basic knowledge, theories and methods in image processing and computer vision
NPTEL Certificate Course on Concepts of Thermodynamics	Nil	01/07/2019	84	Employability	Understand the basic concept of heat transfer, thermodynamic properties, and processes
NPTEL Certificate Course on Electrical Machines I	Nil	01/07/2019	84	Employability	Understand the design concepts of Electrical machines
NPTEL Certificate Course on Introduction to Programming in C	Nil	01/07/2019	84	Employability	Students will be able to develop logics which will help them to create programs, applications in C
NPTEL Certificate Course on Programming in C	Nil	01/07/2019	84	Employability	Students will be able to develop logics which will help them to create programs,

					applications in C
NPTEL Certificate Course on Programming in Java	Nil	01/07/2019	84	Employability	Gain knowledge about basic Java language syntax and semantics to write Java Programs Java programs and use concepts such as variables, conditional and iterative execution methods etc
Short Term Training Program on CAD DESK by CE department	Nil	20/02/2020	15	Employability	Students gained knowledge in design and construction using STADD PRO
Workshop on Application of Remote Sensing and GIS by CE department	Nil	21/01/2020	1	Employability	Students gained knowledge in geographical information systems by using maps
Short Term Training Program on MATLAB by EEE department	Nil	23/01/2020	16	Employability	Students can learn how to implement and test algorithm easily and develop codes easily, they learn how to use a large database of built in algorithm and to perform extensive analysis and visualization, they

Short Term Training Program on SCADA by EEE department	Nil	23/01/2020	16	Employability	learn how to develop application with grap To analyze real-time data to monitor and control equipment that deals with critical and time sensitive materials, they can learn how to implement in utilities of electrical power distribution from gas-fired coal, nuclear and in electrical power trans
Training Program on "Soft Computing Applications in Power Systems" by EEE department	Nil	02/11/2019	3	Employability	Students gained knowledge on new inovative technologies related to power systems
Three day Workshop on "Solar Grid Integration Issues in Micro grids by EEE departmnet	Nil	27/09/2019	3	Employability	Acquire knowledge in utilizing solar energy with micro grid inter connected system
A Two Day Workshop on "Industrial Automation with PLC and SCADA by EEE departmnet	Nil	23/07/2019	2	Employability	A program on how to implement real time applications in industrial automation with PLC and SCADA

Training Program on Railway Lighting Control and Maintenance by EEE departmnet	Nil	12/10/2019	4	Employability	Students acquire knowledge on Railway Lightning Control and Maintenance
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	15/07/2019
BTech	Computer Science and Engineering	15/07/2019
BTech	Electronics and Communication Engineering	15/07/2019
BTech	Electrical and Electronics Engineering	15/07/2019
BTech	Mechanical Engineering	15/07/2019
BTech	Information Technology	15/07/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	2321	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Campus Recruitment Training by CE department	17/09/2019	73
Short Term Training Program on CAD DESK by CE department	20/02/2020	73
Campus Recruitment Training by EEE department	17/09/2019	45
Short Term Training Program on MATLAB by EEE department	23/01/2020	20
Short Term Training Program on on SCADA by EEE department	23/01/2020	25

Campus Recruitment Training by ME department	17/09/2019	74
Short Term Training Program on HVAC Design and Drafting by ME department	03/02/2020	34
Campus Recruitment Training by ECE department	17/09/2019	132
Short Term Training Program on " Embedded System Design and IOT " its applications by ECE department	24/02/2020	105
Short Term Training Program on " Verilog Design " its applications by ECE department	24/02/2020	27
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	62
BTech	Electrical and Electronics Engineering	54
BTech	Mechanical Engineering	34
BTech	Electronics and Communication Engineering	157
BTech	Computer Science and Engineering	101
BTech	Information Technology	15
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The institute has a performance appraisal system which involves collection of online feedback from all stakeholders such as students, teachers, employers, alumni and parents. The data is collated, analysed and utilised for student performance, faculty improvement, infrastructural development and quality

enhancement. **FEEDBACK FROM STUDENTS:** Student feedback is taken for quality improvement and pertains to curriculum analysis, teaching learning process, infrastructural facilities, holistic development, exposure to industry, research and development facilities, technology-enhanced learning, opportunities for extension activities, and so on. Students also provide feedback on the faculty on various parameters which forms one of the major parameters in deciding increments and promotions and Teaching Excellence and Outstanding Contribution awards. **FEEDBACK FROM TEACHERS:** Teachers feedback is taken to assess curriculum, effectiveness of teaching methodologies, implementation of learning management systems and e learning, laboratory infrastructure, student performance and mentoring, potential areas for FDPs and workshops, and subscription to journals and research and development. In addition, teachers also submit a self appraisal form that is crucial in evaluating their performance in terms of feedback, participation in conferences and workshops, publications and their contribution to academic and administrative activities. **FEEDBACK FROM EMPLOYERS:** Feedback from employers is given a lot of weightage as the employers from the industry can give an accurate assessment of the student's competence levels in perspective of the job requirements. Company representatives visiting the institute during the Placement Drive or to conduct workshops and seminars are provided an online feedback form to evaluate students, resources and facilities. They are asked to give an appraisal based on the student's ability to contribute to the goals of the organisation, technical knowledge and skills, innovativeness and creativity, communication and interpersonal skills, aptitude and overall performance. Any area requiring improvement is received as constructive criticism. The Aurora Group of Institutions also organizes an annual event, Abhidheya, which has the objective of felicitating employers and providing an industry-institute interface. Valuable inputs from the senior officials attending this programme are used to bridge the gap between the academic and corporate world and also address issues like infrastructural development and knowledge updation and skill enhancement among students. **FEEDBACK FROM ALUMNI:** The institute conducts an Alumni survey every year and alumni meet every semester during which suggestions and feedback from alumni are recorded, analysed for their feasibility and implemented. Alumni feedback based on their institute experience and industry exposure is utilised to fill any lacunae regarding curriculum development, teaching learning methodologies, institute industry interface, placement training, skill enhancement and technical upgradation. Apart from regular Alumni meets, the alumni are also invited to be part of college events to interact with students, faculty and Management, and give suggestions. **FEEDBACK FROM PARENTS:** ATRI conducts regular Parent Teacher meetings, not only to apprise students of their ward's performance, but also to draw suggestions on the teaching learning process, infrastructural facilities, holistic development of the student, placement training and so on. Parents also voice their concerns regarding issues that need improvement and remedial measures are taken.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Civil Engineering	120	106	106
BTech	Computer Science and Engineering	240	240	240

BTech	Electrical and Electronics Engineering	120	120	120
BTech	Electronics and Communication Engineering	240	190	190
BTech	Information Technology	60	48	48
BTech	Mechanical Engineering	120	57	57
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2161	Nil	192	Nil	192

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
192	192	15	40	2	12

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

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

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

The institution has a vibrant Student Mentoring and Performance Monitoring Committee. The mentoring system is followed strictly as per the AICTE mandate where a batch of 20 students are assigned to one faculty mentor. They monitor and counsel the students regarding academic, career and personal issues. The primary objective of mentoring is to build self esteem in students and bring about a behavioural change whereby they realise their potential and achieve their goals. Every year in August an Induction programme is organised for the freshers. As part of this, a Mentor Mentee connect was conducted with faculty mentors and senior students as peer mentors. They worked together and mentees gave performances in the form of Skits, PPTs, Posters, Tech talks, Paper craft, Song and Dance. Mentoring hours are allocated on the timetable for each class. Mentees can approach their mentors any time in addition to these slots. Individual mentoring files are maintained for each student containing four formats which are very comprehensive in nature and are detailed below: 1. Student Data Sheet comprises of the personal details of the student including Aadhar number, PH status, contact numbers and photos of the student and his/her parents. 2. In the Student Mentoring Form, the attendance and performance in examinations is recorded throughout each and every semester. There is also a provision to record the analysis of the mentee by the mentor in terms of discipline, appearance, involvement in classroom and interaction with peers. A minimum of four interactions are necessary in every semester. Parents are intimated about the attendance and academic performance over phone. Parent Teacher Meetings are conducted once every month to apprise them about their wards. 3. Achievements of the students in cocurricular and extracurricular activities are recorded in the Student Achievement Form to identify the talents in students and give impetus to their holistic development. Mentor encourages the mentees to participate in various activities conducted in the college. 4.

Periodic interaction with the parents, once every month is noted down in the Parent Interaction Form along with the remarks by the mentor. The coordinator of the Mentoring committee along with the HoDs and the Director conducts periodical reviews with the mentors to check the status. Students from rural background are given special attention and assistance till they mingle with the other students without any cultural and language related barriers. Girl students can also seek assistance from the Women Empowerment Cell in addition to their mentors, as and when necessary. Interaction with mentees is recorded and maintained in the file. Mentors also document their mentoring success stories, create a database and share it with other colleagues. Teaching and mentoring go hand in hand. Mentors can interact with the class teachers and subject teachers of their mentees to coordinate and solve any issues related to academics. Services of a Psychologist/Counselor are available on campus for students with special needs.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2161	192	1:11

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
192	172	20	20	15

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	A DURGA PAVANI	Associate Professor	Top Performing Mentor Certificate in Social Networks From NPTEL
2019	D. SUBHASHINI	Associate Professor	Mentor Certificate in The Joy of Computing using Python From IIT Madras
2019	G KEERTHI	Assistant Professor	Mentor Certificate in Social Networks From NPTEL
2019	K.PRANUSHA	Assistant Professor	Mentor Certificate in Introduction to Internet of Things From NPTEL
2019	M SOWMYA	Associate Professor	EliteSilver in Enhancing Programming In Java From IIT Madras.
2019	V SHILPA	Associate Professor	EliteSilver in Enhancing The Joy of Computing using Python From IIT Madras

2019	K. PADMINI	Associate Professor	Mentor Certificate inBlockchain Architecture Design and Use Cases From IIT Madras
2019	T V RAMANAMMA	Associate Professor	Elite in Enhancing Software Project Management From IIT Madras
2019	K KAVITHA	Associate Professor	Elite in EnhancingDeep Learning Part 1 From IIT Madras
2019	MADHAVI VAGU	Assistant Professor	EliteGOLD Top 1 in Enhancing "Introduction to Internet of Things From IIT Madras

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	1A01	II/I	01/05/2020	21/01/2021
BTech	1A01	II/II	07/04/2020	25/01/2021
BTech	1A01	II/III	07/04/2020	25/01/2021
BTech	1A01	II/IV	07/04/2020	01/11/2021

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institution has implemented Bloom's Taxonomy to aid Outcome Based Education in planning and delivery of instruction and conducting assessments across all the subjects and courses during this academic year in the following way: A workshop on Bloom's Taxonomy was conducted for all faculty and they were trained on setting question papers using Bloom's Taxonomy. Students were apprised of the Bloom's Taxonomy and its relevance to the syllabus and assessments. Internal exam question papers for all years of students were prepared according to the Bloom's Taxonomy levels and course outcomes were linked to them bringing a balance among different levels of cognitive questions and reducing the scope of terming a question paper as tough or easy. Bloom's taxonomy also facilitated preparation of different types of questions for each lesson/unit and resulted in consistency across all modules, appropriate coverage of syllabus and design of valid assessment tasks and strategies. Question banks are prepared for each course indicating the levels of Bloom's Taxonomy for understanding of the students.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The academic calendar of the institution is prepared in accordance with the academic schedule prescribed by JNTUH for affiliated institutions. The calendar provides details on date of commencement of classes, number of working days, holidays and proposed dates of internal and external examinations, and college level and department level functions/activities. The academic calendar is shared with all the faculty, staff and students before the academic session begins. The academic calendar is used to adhere to the following activities on campus: Induction programme is organised for two weeks for first year students at the beginning of the academic year. The classwork for each semester strictly commences and ends as per the academic calendar. Mid term examinations are conducted twice every semester as per the schedule. Parent teacher meetings are conducted once every semester for each year of students. Preparation holidays, Dussehra vacation and summer vacation are declared as per the schedule. Practical examinations are conducted once every semester. Submission of marks to the university is also scheduled in the academic calendar and strictly adhered to. End semester and supplementary examinations are conducted by the university as per the dates identified in the academic calendar. All the extra and co-curricular activities are scheduled based on the calendars submitted by the respective departments, centres, clubs, cells and committees.

2.6 – Student Performance and Learning Outcomes

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

https://www.atri.edu.in/igac_peos-and-pos-computer-science-and-engineering.html

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1A12	BTech	Information Technology	38	34	89.47
1A03	BTech	Mechanical Engineering	74	58	78.38
1A02	BTech	Electrical and Electronics Engineering	45	38	84.44
1A04	BTech	Electronics and Communication Engineering	133	112	84.21
1A05	BTech	Computer Science Engineering	199	166	83.42
1A01	BTech	Civil Engineering	73	55	75.34

No file uploaded.

2.7 – Student Satisfaction Survey

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

<http://atri.edu.in/student-satisfaction-survey.html>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Workshop on IOT	Computer Science and Engineering/ Information Technology	26/08/2019
Workshop on 5G Technology	Computer Science and Engineering/ Information Technology	29/08/2019
Workshop on Virtual Reality Augmented Reality	Computer Science and Engineering/ Information Technology	03/09/2019
A Talk on 5G Technology	Computer Science and Engineering/ Information Technology	02/08/2019
A Talk on Advanced Concepts of Java	Computer Science and Engineering/ Information Technology	07/01/2020
A Talk on Role of Machine Learning and Deep Learning in Industry	Computer Science and Engineering/ Information Technology	07/01/2020
A Talk on Python- Past, Present and Future	Computer Science and Engineering/ Information Technology	08/01/2020
A Seminar on Security Issues in Cloud Computing	Computer Science and Engineering/ Information Technology	06/01/2020
A seminar on Need of Automation	Computer Science and Engineering/ Information Technology	07/01/2020
A seminar on Applications of Artificial Intelligence in IOT	Computer Science and Engineering/ Information Technology	08/01/2020
A Talk on IOT for Smart India	Computer Science and Engineering/ Information Technology	08/01/2020

A Talk on Data Science- Need and Scope	Computer Science and Engineering/ Information Technology	09/01/2020
A Talk on Advanced Cryptography	Computer Science and Engineering/ Information Technology	07/01/2020
A Workshop on VM Ware	Computer Science and Engineering/ Information Technology	06/03/2020
Two Day State Level Workshop on "Embedded Applications using Arduino" by ECE Department	Electronics and Communication Engineering	27/08/2019
Three Day National Level Workshop on "Mobile Making and Robotics" by ECE Departmnet	Electronics and Communication Engineering	23/09/2019
A One Day Workshop on "Batteries and their Applications"	Humanities and Applied Sciences	01/10/2019
A two day workshop on "Optoelectronic Devices and their applications"	Humanities and Applied Sciences	08/11/2019
Presentation on English Strokes-British Council Online Course	Humanities and Applied Sciences	07/02/2020
Workshop on Soft Skills Required in the Corporate World	Humanities and Applied Sciences	29/02/2020
One day workshop on Application of Mathematics in the field of Engineering	Humanities and Applied Sciences	13/03/2020
Orientation Programme on Intellectual Property Rights	Humanities and Applied Sciences	07/03/2020
A Seminar on Power system Protection by Switch Gear Components	Electrical and Electronics Engineering	01/09/2019
A Two Day Workshop on "Industrial Automation with PLC and SCADA	Electrical and Electronics Engineering	27/12/2019
Workshop on Connecting Mechanical Engineers to HVAC Industry	Mechanical Engineering	24/09/2019
Workshop on Solar Urja Lamp Assembly	Mechanical Engineering	02/10/2019
Workshop on Sustainable practices in Construction	Civil Engineering	18/12/2019

Orientation on Pure Earth Environment Summit" (PEES-2019)	Civil Engineering	30/10/2019
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3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Winner of SIH 2020 for the Problem Statement on Robotic Arm for inspection, cleaning and painting of tanks on ships to save on time, cost and avoid accidents.	Hari Chandana	Ministry for Human Resource Development	09/03/2021	Disruptive Innovation
Winner of SIH 2020 for the Problem Statement on Robotic Arm for inspection, cleaning and painting of tanks on ships to save on time, cost and avoid accidents.	Amita	Ministry for Human Resource Development	09/03/2021	Disruptive Innovation
Winner of SIH 2020 for the Problem Statement on Robotic Arm for inspection, cleaning and painting of tanks on ships to save on time, cost and avoid accidents.	Charan Veer Sai	Ministry for Human Resource Development	09/03/2021	Disruptive Innovation
Winner of SIH 2020 for the Problem Statement on Robotic Arm for inspection, cleaning and painting of tanks on ships to save on time, cost and avoid accidents.	Solomon	Ministry for Human Resource Development	09/03/2021	Disruptive Innovation

avoid accidents.				
Outstanding Contribution Award	Dr. Venkatesan	Auroras Technological and Research Institute	21/09/2019	Research
SIH 2020 Internal hackathon Winners for the Problem Statement on Smart Vehicles	Shrikaanth Shyam Sunder	Auroras Technological and Research Institute	18/01/2020	Incremental Innovation
SIH 2020 Internal hackathon Winners for the Problem Statement on Smart Vehicles	Mohd Sajjad Hussain	Auroras Technological and Research Institute	18/01/2020	Incremental Innovation
Best Project Award to VLSI Implementation of Advanced Encryption Standard Cryptography using S-Box in Samudhyama, National Level Project Expo	B.S Ramya	Auroras Technological and Research Institute	06/03/2020	Incremental Innovation
Best Project Award to VLSI Implementation of Advanced Encryption Standard Cryptography using S-Box in Samudhyama, National Level Project Expo	P Sravanthi	Auroras Technological and Research Institute	06/03/2020	Incremental Innovation
Best Project Award to VLSI Implementation of Advanced Encryption Standard Cryptography using S-Box in Samudhyama, National Level Project Expo	K Ananya Reddy	Auroras Technological and Research Institute	06/03/2020	Incremental Innovation

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	40000	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	2	7.18
International	Computer Science and Engineering	10	1.22
International	Electronics and Communication Engineering	2	0.8
International	Information Technology	1	1.91
International	Humanities and Applied Sciences	6	4.4
International	Mechanical Engineering	1	7.87
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	12
Mechanical Engineering	1
Humanities and Applied Sciences	2
Information Technology	1
No file uploaded.	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
A Study	P Meena	Internat	2019	0	Auroras	Null

On Customer Buying Behaviour Towards Organised Grocery Retailing Services In Selected Tire-Ii Cities of Andhra Pradesh (Vijayawada, Kakinada, Guntur And Rajahmundry)	Kumari	ional Journal Of Multidisciplinary Education and Research			Technological and Research Institute	
A Novel Method To Detect Adversaries Using Msom Algorithm' S Longitudinal Conjecture Model In Scada Network	Dr.S.Venkatesan	Solid State Technology	2020	2	Auroras Technological and Research Institute	2
Security Appraisal Conducted On Real Time Scada Data Set Using Cyber Analytic Tools	Dr.S.Venkatesan	Solid State Technology	2020	5	Auroras Technological and Research Institute	5
An Overview of Deep Learning Methods For Image Registrati on With Focus On Feature-Based Approaches	K.Kavitha	International Journal Of Image And Data Fussion	2020	4	KL University	4
Performance Aspect	M Shravan	International	2020	1	Auroras Technologi	1

of Multiband Microwave Planner Devices for Wireless Applications .	Kumar Reddy	Journal of Innovative Technology and Exploring Engineering			cal and Research Institute	
Performance Aspect of Multiband Microwave Planner Devices for Wireless Applications .	Dr. S. Sivasundara Pandian	International Journal of Innovative Technology and Exploring Engineering	2020	1	Auroras Technological and Research Institute	1
Design and Analysis of Indoor Multiband Antenna in Signal Boosting of Mobile Communication Systems	Dr. S. Sivasundara Pandian	International Journal of Scientific Technology Research	2020	0	Auroras Technological and Research Institute	Nil
Design and Analysis of Indoor Multiband Antenna in Signal Boosting of Mobile Communication Systems	Nuzhath Farhana	International Journal of Scientific Technology Research	2020	0	Auroras Technological and Research Institute	Nil
Understanding Mentorship And Challenges To Develop A Mentoring Philosophy	Dr. P. Bharathi	International Journal Of - Science and Research	2020	0	Auroras Technological and Research Institute	Nil
The Aesthetics of Silence	Dr. Poonam Minocha	International Journal Of	Nil	0	Auroras Technological and	Nil

In Kate Chopin's The Awakening, Virginia Woolf The Voyage Out And Shashi Deshpande That Long Silence		English: Literature, Language Skills			Research Institute
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
An Overview of Deep Learning Methods For Image Registrati on With Focus on Feature-Based Approaches	K.Kavitha	International Journal of Image and Data Fussion	2020	2	4	KL University
Security Appraisal Conducted on Real Time Scada Data Set Using Cyber Analytic Tools	Dr.S.Venkatesan	Solid State Technology	2020	3	5	Auroras Technological And Research Institute
A Novel Method To Detect Adversaries Using Msom Algorithm' S Longitudinal Conjecture Model In Scada Network	Dr.S.Venkatesan	Solid State Technology	2020	3	2	Auroras Technological And Research Institute
Performance Aspect of Multiband	Dr. S. Sivasundara Pandian	International Journal of Innovative	2020	6	1	Auroras Technological And Research

Microwave Planner Devices for Wireless Applications		Technology and Exploring Engineering				Institute
Design and Analysis of Indoor Multiband Antenna in Signal Boosting of Mobile Communication Systems	Dr. S. Sivasundarapandian	International Journal of Scientific Technology Research	2020	6	Nil	Auroras Technological And Research Institute
No file uploaded.						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	217	3	303
Presented papers	8	6	Nil	Nil
Resource persons	Nil	1	Nil	9
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
National Unity Day	ATRI NSS Unit	1	84
Cancer Run	Grace Cancer Foundation	5	300
NSS Mega Gandian Youth Conclave	JNTUH NSS Cell	1	65
NSS Golden Jubilee Celebrations	ATRI NSS Unit	1	350
Medical Camp In Adopted Village, Qutubullapur	ATRI NSS Unit With Grama Panchayth	2	45
Independence Day Celebrations In Adopted School,	ATRI NSS Unit	1	100

Parvathapur			
Distribution of Note Books In Govt. School, Parvathapur	ATRI NSS Unit	5	100
Distribution of Note Books In Govt.School, Qutubullapur	ATRI NSS Unit	5	100
Swachha Bharath Ralley and Pledge	ATRI NSS Unit With Ngc	1	50
Haritha Haram Programme	NSS in Collaboration With Govt Of Telangana	2	50
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donation Camp	Appreciation Certificate	Sanjeevini Blood Bank	116
NSS Mega Gandhian Youth Conclave	Participation Certificate	JNTUH NSS CELL	50
Vivek band BE GOOD and DO GOOD	Participation Certificate	Ramakrishna Matt	10
Swachha Bharath Abhiyaan	Participation Certificate	TS National Green Corps	50
Blood Donation Camp	Appreciation Certificate	Sanjeevini Blood Bank	59
NSS Pre Republic Day Parade Camp	Participation Certificate	NSS Regional Directorate	1
NSS National Integration camp	Participation Certificate	NSS Regional Directorate	2
Social Service Award	Certificate of Excellence	Sri Rajamatha Foundation	2
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Prevention of Cancer	ISKCON, Kukatpally	Elocution Copetitions On Kill Cancer Awareness	1	50
NSS	NSS Regional Directorate	National Integration Camp	Nil	2
NSS	NSS Regional	NSS Pre	Nil	1

	Directorate	Republic Day Parade Camp		
NSS	JNTUH NSS Cell	NSS Mega Gandian Youth Conclave	1	65
Prevention of Cancer	Grace Cancer Foundation	Cancer Run	5	300
Swachh Bharath	ATRI NSS Unit With NGC	Swachaa Bharath Ralley And Pledge	1	50
NSS	ATRI NSS With Sanjeevini Blood Bank	Blood Donation Camp	1	174
NSS	NSS In Collaboration With Govt Of Telangana	Haritha Haram Programme	2	50
NSS	ATRI NSS Unit With Gram Panchyathi	Medical Camp In Adopted Village, Qutubullapur	2	45
NSS	ATRI NSS Unit With Govt.School	Independence Day Celebrations In Adopted School, Paravathapur	1	100
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Project Work	Project Work	Brain O Vision	01/02/2021	01/03/2021	Kanaka Vinay Kumar
On job Trainnig	On job Trainnig	CAD Desk	15/02/2020	15/03/2020	Final Year CE Students
On job Trainnig	On job Trainnig	EuroTech Pvt.Ltd	23/01/2020	22/03/2021	Final Year EEE Students
On job Trainnig	On job Trainnig	Data Point Info	11/01/2020	24/02/2020	Final Year ECE Students

		Solutions			
On job Traininig	On job Traininig	Fronyn Technologies Pvt.Ltd	27/01/2020	07/02/2020	Final Year CSE Students
On job Traininig	On job Traininig	Manac Infotech Pvt. Ltd	27/01/2020	07/02/2020	Final Year CSE Students
Internship	Internship	Lanvit Technologies Pvt Ltd.	07/01/2020	07/04/2020	Aindla Manya Reddy
Internship	Internship	Smart Internz	08/09/2020	06/10/2020	Ahmedunissa
Industrial Visit	Industrial Visit	Kaleswaram Project Work	03/09/2019	04/09/2019	B.Tech IV Year Students of Civil Engineering
Industrial Visit	Industrial Visit	Nusrath Metals	07/11/2019	07/11/2019	B.Tech III Year Students of Mechanical Engineering
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Fronyn Technologies Pvt. Ltd	13/01/2020	Short term Training	83
Manac Infotech Pvt.Ltd	13/01/2020	Short term Training	54
Smart Bridge	27/01/2020	To conduct Rapid Prototyping Event	99
Henotic Technologies Pvt.Ltd	28/01/2020	To establish Center for Excellence in Data Science and Artificial Intelligence	200
MTS	25/07/2018	To organize workshops, Internships Training programs	120
R-Techno Solutions	07/01/2020	To organize workshops Training programs	90
CAD DESK	04/02/2019	Student of college avail the opportunity to	75

		undertake Industry Training/ Industry Practices(project) etc	
Reliable Environmental services	03/06/2019	Water and Waste management workshop and industrial visit	47
Siri software solutions	07/01/2020	Advanced CAD Training	54
EUROTECH PVT LTD	23/01/2020	Training Programme on Academic Project Work	45
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
13560000	12477984

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Others	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
New GenLib	Fully	3.1.5	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	34022	7040916	547	253798	34569	7294714
Reference Books	3610	1002786	65	34770	3675	1037556
e-Books	10970	13570	1492	15000	12462	28570
Journals	115	154160	59	88732	174	242892

e-Journals	7939	70800	7987	73660	15926	144460
Digital Database	18057	13570	18057	13570	36114	27140
CD & Video	1968	1000	1500	5000	3468	6000
Library Automation	1	12390	1	12390	2	24780
Others(s pecify)	994	Nil	97	Nil	1091	Nil
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr. D. Venugopal Reddy	Mathematics Ii	Institutional LMS	15/07/2019
Dr. Venkatesan	Cloud Computing	Institutional LMS	15/07/2019
Dr. M. Saravanan	Data Structures	Institutional LMS	15/07/2019
Ms. N. Nirmala Devi	Digital Signal Processing	Institutional LMS	15/07/2019
Mr. Vinod Chavan	Global Positioning System	Institutional LMS	15/07/2019
Mr G Naveen Kumar	Geographical information system	Institutional LMS	15/07/2019
Mr. M Vikash	Strength of materials-I	Institutional LMS	15/07/2019
Mr M Devadas	Electrical Machines - I	Institutional LMS	15/07/2019
Mr. J Jawaharlal	Electrical Circuit Analysis	Institutional LMS	15/07/2019
Ms. Gita S Parthiban	Mathematics I	Institutional LMS	15/07/2019
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	740	680	430	20	20	10	10	110	0
Added	30	10	0	10	10	0	0	690	0
Total	770	690	430	30	30	10	10	800	0

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

4.3.3 – Facility for e-content

Name of the e-content development facility

Provide the link of the videos and media centre and recording facility

No Data Entered/Not Applicable !!!

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
32000000	31608530	17000000	16940824

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

Maintenance personnel for the upkeep of infrastructural facilities are recruited. They are allocated different jobs under the following categories:

Buildings and Infrastructure:

- Maintenance of buildings and related services are undertaken by the Maintenance Department.
- Monitoring of the facilities is carried out regularly by the administrative officer.
- Maintenance Department also looks into the restoration of RO plants including testing of water quality, fixing of LCDs and replacing green and whiteboards when required.
- Broken glass panes of windows in classrooms are replaced periodically.
- Regular Cleaning and mopping work is done by floor attenders.
- Registers are maintained to record the work.

Electrical Facilities:

- Electricians are available round the clock to address power breakdown.
- Maintenance Department monitors the services of electricians.
- They perform regular checks in classrooms and campus to ensure that all electrical fittings are working in excellent condition.
- Voltage power supply, functioning of generators, multi metres of the campus are called for repairing within warranty or after warranty as per the norms
- Supply of electricity during power breakdown through generators is provided.

Laboratories:

- Regular checks of equipment are carried out in all the laboratories.
- As per the requirement, minor repairs are carried out by lab assistant/s.
- Major maintenance works are outsourced as per procedures of the institution.
- Necessary accessories and glassware are replaced regularly.
- Calibration and other precision measures of the equipment is conducted annually by Matrix Calibration Laboratory Equipment and services.

Computers and allied Infrastructure:

- The Department of CSE and IT supervise the AMC including Computers and its allied Infrastructure.
- AMC ensures that the suppliers attend to the problems during the Warranty period, and beyond the warranty period, AMC personnel themselves fix the issues reported.
- AMC also handles need based installation of computer facilities in the college.
- CSE department controls the Internet and biometric security systems.

Other Facilities:

Maintenance Department monitors other facilities:

- All kinds of plumbing issues.
- Regular cleaning to ensure hygiene in the campus and safe toilets.
- Supply of raw water to RO treatment plants. RO water is tested by Auroras Research Lab, Gangotri.
- Routine pest treatment and control services of the campus by local pest control agencies.
- Gardening and watering of plants including lawn laying.
- Maintenance staff consists of Qualified Electricians, Carpenters, Plumbers and other service personnel.
- Major works like gardening are outsourced to professional agencies like Vijaya Durga Devi Nursery.
- Regular spraying of Mosquito repellents is carried out on the campus, including classrooms, labs, seminar halls etc. and other fumigation

works are carried out in the library. • Security is outsourced to professional agency Sentinel Security Services. • Institution is well barricaded with boundary wall and security guards placed at all critical locations to guard the campus. • Professional agencies are by and large outsourced to ensure safety to staff and students. • Fire extinguisher is outsourced and refilling of the cylinders is done once in a year.

https://www.atri.edu.in/administration_support-system-policies.html

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Freeship by the Institution	151	8857000
Financial Support from Other Sources			
a) National	Telangana State Government Fee Reimbursement Scheme	1203	44486000
b) International	NIL	Nil	0
No file uploaded.			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
English Language Communications Skills	16/08/2019	471	ATRI faculty for B.Tech I year students
Meditation	06/08/2019	332	Brahma Kumar, Brijesh Chawda, a Member of the Educaon Talent Planning for the Worlds largest Corporate Training Facility, Infosys
Bridge Course	07/08/2019	332	ATRI faculty for B.Tech I year students
Career Counselling	16/08/2019	332	Imbue Desk, Hyderabad.
Yoga	06/08/2019	332	Dr. J. Venkateswarlu, Physical Director, Railway Degree College, Hyderabad
English Language Proficiency Enhancement	16/12/2019	397	Kvan Solutions private limited , Kukatpally,

Programme			Hyderabad.
English Language Proficiency Enhancement Programme	15/07/2019	397	Kvan Solutions private limited , Kukatpally, Hyderabad.
Personal Counselling and Mentoring	15/07/2019	2161	Ms. M. Chaithanya, Associate Professor, Auroras Technological and Research Insitute
Remedial Coaching for I year students	21/12/2019	103	Faculty of Auroras Technological and Research Institute
Remedial Coaching for II, III and IV year students	25/11/2019	155	Faculty of Auroras Technological and Research Institute
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Softskills Development Training	Nil	150	Nil	123
2019	Orientation programme on MS in UMASS and UDAYTON, CDC	Nil	156	23	Nil
2019	Campus Recruitment Training	592	Nil	Nil	245
2019	Career counselling	Nil	332	32	Nil
2020	Workshop on Career Planning and Development	Nil	56	27	Nil
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
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3

3

3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
7	384	101	87	278	144
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	2	B.Tech	ME	Siddhartha Engineering College, Hyderabad	M.Tech
2019	1	B.Tech	EEE	Kasturba Gandhi degree and pg college for women, Secunderabad	MBA
2019	1	B.Tech	EEE	OU PG college College, Siddipet	MBA
2019	1	B.Tech	ECE	GANNON UNIVERSITY, Pennsylvania, USA	MS. In Embedded Software Engineering
2019	2	B.Tech	ECE	GANNON UNIVERSITY, Pennsylvania, USA	MS in Electrical Engineering
2019	1	B.Tech	ECE	Cleveland State University, USA	MS In Information Systems
2019	1	B.Tech	ECE	Cleveland State University, USA	MS in Electrical Engineering
2019	1	B.Tech	ECE	Cleveland State University, USA	MS in Electrical and Electronics Engineering
2019	1	B.Tech	ECE	University	MS in

				of Dayton, USA	Computer Engineering
2019	1	B.Tech	ECE	UNIVERSITY OF CENTRAL MISSOURI, Warrensburg, MO, USA	MS in Computer Science Engineering
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	1
GRE	3
Any Other	18
View File	

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

Activity	Level	Number of Participants
Akshaja - Traditional Day	Institution	275
Avyaya - Annual Day Celebrations	Institution	1655
Teachers Day Celebrations	Institution	320
Stumagz- literary club event	Institution	136
Library Day	Institution	30
Abhijna-Induction Programme	Institution	535
Orientation programme	Institution	435
Borealis 2020 - Techno,Cultural, Literary Fest	National	1323
Bingo Tedhe medhe art contest	State	125
Snataka-Convocation	Institution	346
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	1st Place	National	1	Nil	16841A0459	Ch. Manikumar
2019	1st	National	Nil	1		R Anujna

	Place				16841A05G1	
2019	1st Place	National	Nil	1	17841A04B4	VGVNS Pravallika
2019	1st Place	National	Nil	1	17841A04B4	VGVNS Pravallika
2019	1st Place	National	Nil	1	17841A04B4	VGVNS Pravallika
2019	1st Place	National	Nil	1	16841A1236	M. Sai Chandana
2019	2nd Place	National	1	Nil	16841A0461	Ch. Bhavani
2019	2nd Place	National	1	Nil	16841A0497	M. Sindhuja
2019	2nd Place	National	1	Nil	19841A05H5	Mohomamaed Abdul Mugeem Zaid
2019	2nd Place	National	Nil	1	17841A04B4	VGVNS Pravallika
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Students' Council (Students Activity Committee) The institution has an active Students' Council, which is reconstituted every year. The Student Council comprises of a nominated senior faculty member as the faculty coordinator, the Student President, the Student Secretary and the Student office bearers. Students from II and IV years are selected by a team of senior faculty members based on good academic, non academic, communication competencies coupled with good conduct. The main purpose of constituting Students' council is to create a perfect link between the students and the management, the students and the faculty, the students and the community and among the students themselves. The students' council acts as a liaison between the management and the students facilitating the smooth functioning of the institution and to the satisfaction of the student community The students' council activities include: 1. Dissemination of information regarding competitions, meetings, festivals, etc to the students. 2. Organising technical fests, Sports events, cultural activities, festivals by coordinating with various clubs of the college. 3. Celebrating the days of National and International Importance in coordination with all the departments and clubs. 4. Playing the morning prayer and National anthem at the end of the day, announce information and current news by coordinating with the ATRI FM. This instills the human values, patriotism and enables to update latest information. The students' council organises Self governance day on Teacher's Day every year. On this day senior students teach the junior students dressed up as teachers. Students assume the roles of the Principal, Heads of the departments, faculty members and function individually according to their designation. This practice inculcates the leadership qualities, work commitment and team work. Representation of students in Academic and Administrative Committees: The students play a vital role in almost all the academic and administrative bodies of the institution. These bodies create more avenues for students to develop technical skill, updating knowledge on the state of the art subjects, personality development and service to society through various Bodies/Committees/Cells. There are staff

coordinators to guide students in the smooth and efficient conduct of these activities. The following is the list of committees on which students are members: 1. NSS Cell 2. Grievance Redressal Cell 3. Public Relations Committee 4. Publications Committee 5. Women Empowerment Cell 6. Photography Club 7. Internal Complaints Committee 8. Student Discipline Committee 9. Library Committee 10. Anti Ragging Committee 11. Cultural Club 12. Website Committee 13. Nature Club 14. Entrepreneurship Development Cell 15. Placements Cell 16. Canteen Committee 17. Institution Innovation Council

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The college has a registered alumni association and Alumni meets are conducted every year. The college has a healthy and mutually beneficial relationship with its alumni. The college organises alumni meets from time to time to have a continued bonding with alumni and to get their support in student progression. Alumni from across the country and other parts of the world enthusiastically participate in the meet and contribute to the development of the institute in the following ways: Internal Quality Assurance Cell (IQAC) has alumni of the college as members. These members contribute to the improvement of various aspects concerning to the functions of the institution. Alumni members are invited to deliver guest lectures and also as the resource persons for workshops and seminars on recent trends in technology. They also share their professional experience and motivate the students. Alumni members actively participate as judges in various technical and nontechnical competitions organised at the institute. Alumni members provide sponsorship for the National Techno, Cultural, Literary Fest, Borealis, conducted by the college every year. Alumni feedback is taken periodically to understand the curricular gaps and recent market trends. The alumni information is collected and updated continuously by conducting online surveys which collect information on their knowledge, skill level, team spirit, employer appreciations, honors and awards received, current job position, skill updating, experience gained, career track, promotions obtained, future scopes, current trends in industries and valuable suggestion for their juniors. Alumni members intimate the current scenario for placements, expectations from industry and potential job opportunities in the new emerging areas periodically to students through alumni talks. The college Alumni Association has contributed both financially and nonfinancially. Some of the contributions include donation of sports uniforms, dustbins and ladders, books to the library, mass tree plantation, donations for instituting scholarships/awards, coordination in organising State/National level events

5.4.2 – No. of enrolled Alumni:

540

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

270000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Talk on 5th September 2019 Alumni Talk on 20th February 2020 Alumni Meet on 18th January 2020

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

words)

DECENTRALISATION THROUGH SUPPORT SYSTEMS For the smooth conduction of all institutional activities, ATRI has constituted various committees, cells and clubs that carry out various responsibilities and functions. All administrative, academic, co- curricular and extra-curricular activities and major events are planned and executed by these committees and clubs.

Decentralization of authority through support systems instils a sense of ownership in staff and involves them in the processes of decision-making and problem-solving. The Workload and Timetable Allocation Committee plays an important role in the academic administration and smooth conduct of classwork the NBA and NAAC Accreditation Committee monitor documentation, file preparation and campus readiness for inspection and timely renewal. The Student Projects Committee monitors students' mini and major projects as per guidelines and maintains a database of all research activities. The Student Mentoring Committee addresses the academic, psychological and behavioural issues of students. Faculty are also involved in the admission process through an Admission Committee which ensures good number of admissions. Other committees like the Discipline Committee and Anti-Ragging Committee ensure student discipline and conduct on campus. Various cells such as the Publications Cell, Student Attendance Monitoring Cell, e-learning cell, Exam cell, Career Development Cell, Training and Placement Cell, RD Cell, Extension Activities Cell, Women Empowerment Cell, Industry Institute Interaction Cell, EDC and IIC, have their responsibilities chalked out which also ensure smooth functioning.

Student-centric clubs such as Technical Clubs, Sports Club, Cultural Club, Nature Club, Literary Club, Photography Club, Music Club and Dance Club are also part of the decentralization process as they promote optimal participation of faculty and students. **DECENTRALISATION THROUGH STUDENT ACTIVITY COMMITTEE** As part of the decentralization process and for equitable participation in institutional activities, a Student Activity Committee has been formed. The committee takes up the responsibility of organising various events and activities in the college, and in the process, it gives them an opportunity and a platform to explore their leadership and team skills. The Student Activity Committee acts as a liaison between the students and administration, and is also a forum for addressing student needs and grievances. It also promotes civic responsibilities, human relations and a harmonious environment. It initiates and implements various activities that help in tapping the potential of students. Students are vested with powers, with guidance from faculty, that help them explore their skills in decision-making, problem-solving and conflict management. In activities like Borealis, the techno-cultural-literary fest, Self- Governance Day, Traditional Day and during festivities like Dussehra, Diwali or Christmas, the committee plans and organizes programmes with the guidance of the Coordinator. They work within the framework of institutional norms, and promote an image of the college that is conducive for its professional growth. The Student Activity Committee is instrumental in taking decisions pertaining to student issues. They are invited to meetings that are conducted to resolve student issues and problems. It also encourages the academic, professional and personal development of students, furthering the vision and mission of the college by aligning with the objectives of the college.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
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<p>Research and Development</p>	<p>The college supports research by way of incentives for publication of research Library, ICT and Physical Infrastructure / Instrumentation papers in reputed national and international journals. Faculty members are encouraged to enrol for PhD programmes and they are given duty leave for meeting with guides, attending seminars and workshops, and for attending lab sessions if required. Incentives are also given to faculty for motivating students to publish their project reports as research papers. In addition, the college has MoUs with organisations such as Palo Alto, Ram Tech Industries, Oracle Academy, Dell EMC, Amis Engineers, etc., for research collaborations.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>The additions and improvements to the college library is an ongoing process. New books are being added regularly and initiatives are taken to enrich the library with new ebooks, e journals, earticles related to subject and curriculum. This year, the library arranged a book exhibition during the annual Library Week. One of the important ICT tools that the college continues to use is EDMODO. We have seen its efficiency and usefulness in the past one year, and the students and teachers both find it very convenient to use. All classrooms are fitted with LCD projectors for presentations, showing demo videos, simulation and animation videos. These facilities are being used regularly further enhancing the teaching learning experience.</p>
<p>Human Resource Management</p>	<p>On the basis of a transparent performance appraisal system, where teachers are evaluated on the basis of teaching, acquiring higher qualifications, publications, research, and participation in development activities, they are given promotions, increments and other facilities and are given Teaching Excellence and Outstanding Achievement awards during Teachers' Day celebrations every year. The other welfare measures aimed towards all the staff members come under the ambit of medical, financial, women's and children's welfare measures, retention and relocation allowance, and concessional transport facility. Faculty members can also</p>

avail increments for publications, book allowance, seminar grants, research allowance, and free SIM for mobile phones.

Admission of Students

The college follows an admission policy that is extremely student friendly. Some of the features of this policy include a transparent admission process and providing freeships and scholarships to meritorious students. We conduct an Education Fair to provide guidance and a Mock EAMCET exam to help intermediate students. Our college organises science expos to instil scientific and technical aptitude in the intermediate students to make them realise the interdependence of science, technology and society. Students who participate in the expo are taken on a campus tour to create interest in institution for pursuing engineering. The monthly newsletter of our college Aurora Bulletin' gives information on all the events conducted on campus and is available online for all stakeholders. There are wonderful opportunities in our college for students with community service orientations who can join NSS, ARITRI, Street Cause, and Literacy Helping Hands.

Curriculum Development

Though the University prepares the syllabus and updates it regularly, the college in addition conducts Bridge Courses and ValueAdded Courses for students to bridge the gap between academic knowledge and industry expectations. Therefore, industry professionals are called to deliver expert sessions to create awareness among students. Whenever required, industry experienced hands are also hired to engage lab sessions. Workshops and training sessions on latest software and hardware beyond the curriculum requirements are organized. Also, students are encouraged to have internships with industries. Faculty members are deputed to quality improvement programmes and FDPs conducted both inhouse and by JNTUH, IITs/NITs, and national/state recognized universities and institutes.

Teaching and Learning

The Interactive Teaching Learning Methodology (ITLM) was designed as a blended learning approach, where facetoface interaction is mixed with

independent study. Learning is made interesting through various collaborative methods like case studies, group discussions, debates, quizzes, student seminars, and roleplay. These methods inculcate motivation, communication skills, knowledge sharing, team spirit, freedom of expression and employability skills in students. The regular participation of students in these methods has resulted in improvement in communication skills which has resulted in many of them already securing placements. Through the ITLM we have seen an improvement in pass percentages and more enthusiastic and motivated participation in placement drives.

Examination and Evaluation

The college follows the examination schedule and rules and evaluation procedures mandated by JNTUH. Apart from that, since the last two semesters, Mid Exam question papers are framed according to the Bloom's Taxonomy and Outcomebased learning in which course outcomes are attained. Bloom's Taxonomy, the new model introduced by the institution, is a tool to help develop cognitive skills such as remembering, understanding, applying, analysing, evaluating and creating and these will be tested as part of the new model. In this method, question papers will be framed in such a manner that students will be forced to think, analyse and demonstrate in order to come up with optimal solutions by themselves without relying on rote learning.

Industry Interaction / Collaboration

The college has an Industry Institute Interaction Cell (III), a Career Guidance Cell, and a Placement Cell to take care of relations between our college and the Industry in different ways. Through the III Cell this year, we were able to promote closer linkages and research and consultancy networks with quite a few firms. The cell used its networks with industry to provide internships for students. It hopes to enable appointments of experienced industry resource persons as visiting faculty in the near future. The Cell also helps to establish MOUs and agreements with various industrial and research organisations in different fields and sectors. The Placement Cell

has been active and provides yet another avenue for industry institution interaction, through its regular placement drives, interactions with industry representatives, and training programmes.

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

E-governance area	Details
Planning and Development	Implemented through Mastersoft Cloud Based Centralised Campus Management System
Administration	Implemented through administrative and establishment modules of Mastersoft Cloud Based Centralised Campus Management System
Finance and Accounts	Implemented through Mastersoft Cloud Based Centralised Campus Management System
Student Admission and Support	Implemented through Academic Management, Timetable and Student Attendance, and ITLE modules of Mastersoft Cloud Based Centralised Campus Management System
Examination	Implemented through ITLE and Test Prep modules of Mastersoft Cloud Based Centralised Campus Management System

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	B. Anil Kumar	Workshop on Hands-on training on Solar lamp study	NIL	1000
2019	Chandrashekar Goud V	NIL	Indian Society for Applied Mechanics (ISAM)	5000
2019	Dr. P. Vinay Kumar	Applied Physics and Materials Science (APMS-2019)	NIL	1000
2019	Dr. M.C. Ajay Kumar	6th National conference on "Applied	NIL	1000

		Physics and Materials science (APMS-2019)		
2019	Gita S Parthiban	Webinar on Application of Mathematics in Engineering (5)	NIL	1000
2019	P. Meena Kumari	Workshop on Blooms Taxonomy	NIL	1000
2019	Rajanish Kumar	NIL	International Association of Engineers	500
2019	K. Kiran Kumar	Workshop on Outcomes Based Education	NIL	1000
2019	S. Laxmi Prasanna	A two day national seminar on " Overview of Electric Power Sector- Generation, Transmission Distribution"	NIL	1000
2019	M. Hemalatha	A two day National Level workshop on "Energy Conversation Auditing "	NIL	1000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	FDP on Internet of Things	NIL	23/08/2019	23/08/2019	97	Nil
2019	Two Day State Level Workshop on "Embedded Applications using Arduino"	NIL	27/08/2019	28/08/2019	15	Nil

	by ECE Department					
2019	Three Day National Level Workshop on "Mobile Making and Robotics" by ECE Department	NIL	23/09/2019	25/09/2019	22	Nil
2019	Workshop on 'Bloom's Taxonomy'	NIL	07/09/2019	07/09/2019	150	Nil
2019	Mentoring Workshop on 'Unders tanding Students'	NIL	15/02/2020	15/02/2020	150	Nil
2019	Orientat ion Programme on Intelle ctual Property Rights	NIL	07/03/2020	07/03/2020	120	Nil
2019	Faculty Orientatio n Programme on Persona lity Devel opment	NIL	03/08/2020	03/08/2020	45	Nil
2019	FDP on A dvancement of Power E lectronics and Control	NIL	15/07/2019	17/07/2019	12	Nil
2019	Workshop on Applica tions of Non Conven tional Energy Resources	NIL	11/11/2019	12/11/2019	10	Nil
2019	Two-day workshop on REAL TIME SIMUL ATIONS OF ELECTRICAL	NIL	09/03/2020	10/03/2020	15	Nil

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
FDP on Estimation Detection Theory Through Matlab, ECE	1	15/05/2020	15/05/2020	1
Workshop on Leadership Talk, ECE	1	30/05/2020	30/05/2020	1
FDP on IPR Patent Filing, ECE	1	22/05/2020	22/05/2020	1
FDP on Introduction to Electronics, ECE	1	18/04/2020	15/05/2020	28
FDP on Programming For Everybody (Getting Started With Python), ECE	1	07/04/2020	04/05/2020	28
FDP on Python Data Structures, ECE	1	01/04/2020	28/04/2020	28
FDP on Python Programming, ECE	1	18/05/2020	21/05/2020	4
Online Training on Arduino, ECE	1	20/05/2020	25/05/2020	6
FDP on PHP my SQL, ECE	1	18/05/2020	23/05/2020	6
FDP on Innovation to Acadamecians, ECE	1	11/05/2020	16/05/2020	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
192	192	173	173

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Free transport • Paid maternity leave for women faculty • PF facility for senior faculty for who it is not mandatory • Sponsorship for participating in seminars/conferences and workshops • Sponsorship for journal publications • Relocation allowance to those who join the institute from other states/faraway places. • Sponsorship for Professional body membership • Motivation for higher studies and online courses • Retention allowance to senior faculty members • Free Cellphone facility for all employees • Children education allowance to faculty and nonteaching staff</p>	<p>Free transport • Paid maternity leave for women faculty • PF scheme for employees drawing salary less than Rs. 15,000/ P.M • ESI coverage to all employees with monthly salary less than Rs. 20,000/ • Group Insurance • Motivation for higher studies and online courses • Free Cellphone facility for all employees • Children education allowance to faculty and nonteaching staff</p>	<p>Insurance Policy, Sponsorships</p>

6.4 – Financial Management and Resource Mobilization

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

Effective utilisation of financial resources is planned at the beginning of the academic year based on the budget allocations. Accounts department manages the fee collection, salary and loan distributions, bills and tax payments, purchase of laboratory equipment, teaching aids, furniture and facilities. All transactions are recorded and dealings are computerised. Internal audit is done by the Head of the Accounts Team every month. The external audit is executed annually by the statutory auditor. The audit of accounts and submission of income tax returns are carried out annually. There are no audit objections, ascribing to the structured internal controls. Goods and services are duly verified.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	0
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6.4.3 – Total corpus fund generated

3348400

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	JNTUH	Yes	Dean Academics
Administrative	Yes	Aurora Educational Society	Yes	Assistant Registrar

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

1. Sponsorship from parents in the organisation of Borealis, a National Level Techno, Cultural and Literary Fest 2. Referrals from parents for placements 3. Parent teacher meetings for understanding of student performance and feedback 4. Participation of parents holding leadership positions as guests in Annual Day, Mini Convocation, and Placement Day Celebrations. 5. Parents as members in Anti-Ragging committee

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

1. Organised a Pandemic Awareness and Safety Measures Programme 2. Organised a Personal and Professional Development Programme in association with the department of English 3. Organised a training programme on Campus Maintenance and Hygiene

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

1. Established Center of Excellence in Data Science and Artificial Intelligence 2. Established Machine Learning and Geographical Information Systems Laboratories 3. Established Electrical Workshop Design Laboratory 4. Implemented open source e-learning technologies Lark and Edwisely 5. Secured approval for B.Tech in Artificial Intelligence and Machine Learning programme

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Two Day State Level Workshop on "Embedded Applications using Arduino" by ECE Department	24/06/2019	27/08/2019	28/08/2019	96
2019	Two Day Workshop on Virtual Reality Augmented Reality by	24/06/2019	03/09/2019	04/09/2019	125

	CSE department				
2019	Three Day Workshop on IOT by IT department	24/06/2019	26/08/2019	28/08/2019	7
2019	Training Programme on implementation of Coursera for faculty	30/11/2019	27/03/2020	27/03/2020	172
2020	MoU from Henotic Technologies Pvt.Ltd	30/11/2019	28/01/2020	28/01/2021	1762
2020	Short Term Training Program on CAD DESK by CE department	30/11/2019	20/02/2020	15/03/2020	73
2019	Two Day State Level Workshop on "Embedded Applications using Arduino" by ECE Department	24/06/2019	27/08/2019	28/08/2019	99
2019	Three Day National Level Workshop on "Mobile Making and Robotics" by ECE Department	24/06/2019	23/09/2019	25/09/2019	77
2019	Training Program on "Soft Computing Applications in Power Systems" by EEE department	24/06/2019	02/11/2019	05/11/2019	10
2019	Two Day Workshop on 5G Technology by CSE department	24/06/2019	29/08/2019	30/08/2019	79

	ntages	local community					
2019	1	Nill	08/08/2019	1	Swachh Bharat Abhiyan	Cleanliness	51
2019	1	Nill	17/08/2019	1	Haritha haram Programme	Awareness about Green environment	52
2019	Nill	1	23/08/2019	1	Medical Camp	General Health check-up in adopted village, Qutubulla pur	47
2019	Nill	1	07/09/2019	1	Social Responsibility	Distribution of Note books in Government School, Qutubulla pur	105
2019	Nill	1	12/09/2019	1	Social Responsibility	Distribution of Note books in Government School, Parvathapur	105
2019	Nill	1	03/10/2019	1	Visit to Ammaodi Orphanage	Service	50
2019	1	Nill	13/10/2019	1	Cancer Run	Health Awareness	305
2019	1	Nill	06/11/2019	1	Visit to Govt to School Narapally	Awareness on Cleanliness	30
2019	Nill	1	07/11/2019	1	Blood Donation Camp	To help people in need	117
2020	1	1	14/02/2020	7	NSS Special Camp in Japal vil lage-unit I	Health, Safety and Cleanliness	51

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Students Code of Conduct Handbook	01/07/2019	<ul style="list-style-type: none"> • Committees set up to enquire into cases pertaining to violation of academic integrity such as malpractices and plagiarism. • Serious cognisance taken on disruptive activities in class/conduction of events and damage/destruction of college property. • Anti Ragging /sexual harassment measures made more stringent.
Teachers Code of Conduct Handbook	01/07/2019	<ul style="list-style-type: none"> • Encouraged to conform Administrative Staff Code of Conduct Handbook to the ethos of the profession and engage in student development activities through mentoring. (Mentoring workshop organized for faculty) • Motivated to involve in administrative, cocurricular and extracurricular activities. • Motivated for professional development through innovative teaching strategies, skill enhancement and research and development.
Administrative Staff Code of Conduct Handbook	01/07/2019	<ul style="list-style-type: none"> • Adherence to college policies with diligence and accountability • Maintain confidentiality in administrative matters • Maintain good interpersonal relationship with students and staff and collaborate with them for smooth functioning of the college.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Orientation on	07/08/2019	14/08/2019	435

Human Values			
Atri Library Day Celebrations	14/08/2019	14/08/2019	30
Bathukamma Celebrations	04/10/2019	04/10/2019	336
Celebrations of Gandhi Jayanthi	02/10/2019	02/10/2019	100
Akshaja-Traditional Day	05/10/2019	05/10/2019	275
Talk a minute on Value Education	15/06/2019	15/06/2019	42
Debate on Crime Against Humanity	29/06/2019	29/06/2019	51
Essay writing on Improve Communal Harmony	11/07/2019	11/07/2019	47
Motivational speech on Neptotism	22/07/2019	22/07/2019	65
Talk on Social Cohesion and Societal Influence	25/07/2019	25/07/2019	103
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Banned single use plastics on campus 2. Organised Solar Ambassador Workshop in association with IIT Bombay to encourage the use of alternative energy sources among staff and students 3. Organised Energy Conservation Week celebrations in association with IPE, Hyd to inculcate the habit of saving energy among staff and students 4. Organised tree plantation drives as part of Haritha Haram programme 5. Distributed clay Ganesh idols to faculty, staff and students to celebrate Ganesh festival in an eco-friendly manner and mandated bucket immersion to avoid polluting the lakes 6. Reduced the use of incandescent bulbs and replaced them with LED lights on campus 7. Conducted awareness campaigns to avoid water wastage on campus 8. Participated in state level Green Audit programme

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice 1 PUBLICATION OF THE MONTHLY NEWSLETTER, AURORA BULLETIN 2. Goal • Enhance the brand name of the college • Convey important achievements and milestones to all stakeholders • Share with prospective students and parents during admission process • Provide a platform for faculty and students to express themselves • Maintain a record of the college activities • Dissemination of essential information to parents • Staying connected with the stakeholders • Foster a link between the classroom and the home. • Reach potential partners for future endeavours • Facilitate inter departmental communication • Inculcate the practice of writing well organised reports in faculty and students • Provide a medium for exchange of thoughts and information • Highlight Alumni success stories and help in networking 3. The Context Students and faculty are an integral part of a college's communication network. Many people outside campus may also be interested in what's happening at the college. In this context, newsletter provides specialized information to this targeted audience. Newsletters are effective in getting necessary

attention, dissemination of information and easy accessibility. Newsletters give prospective parents a relatively unscripted glimpse into the daily routine of the college life, showing them what it would be like if their children were enrolled. Publishing a regular newsletter is an essential aspect of community engagement and attracts attention of the counterparts and contemporaries. It's the hallmark of quality work and accomplishments of the college. 4. The Practice

The process of publishing a Newsletter started with creating a mail ID for the newsletter. Then an 'Activity Report' template was designed and circulated to all the faculty members for maintaining uniformity in presenting the reports. Publications cell has a coordinator and members representing every department of the college. This constitutes the Editorial board. Each member of the Publications Cell is aware of their responsibilities and actively engaged in the collection of data every month. The members meet periodically to discuss and select the articles for publication. Monthly meetings are conducted for bringing out any modifications or improvements in the design. The DTP operator works on the design and layout. The coordinator or organisers of various events submit the activity report to the newsletter by mail. Students and staff are encouraged to contribute articles and art to the newsletter. Fixed templates of the newsletter are used to facilitate design and maintain consistency in quality. Student coordinators collect the achievements of their fraternity. College level events are posted at the beginning. Department level events and activities conducted by different clubs and cells are presented. As a part of the Community Service initiatives NSS, Street Cause and Literacy Helping Hands organise many events like visits to orphanages, adopted school, medical and awareness camps in adopted villages which are reported in print media too. Internships and achievements in NPTEL are also published. A gallery depicting an array of activities is one of the main attractions of the newsletter. Placement and sports news is a regular feature. Use of photographs, visuals and graphics enable the reader to scan quickly for information and feel engrossed. Soft copies are available on the college website and hard copies in the library. The softcopies are also mailed to all the stakeholders. 5. Evidence of Success

Newsletter has proved to be a very good marketing medium for the institution and has been a perfect and a permanent record of the various events conducted regularly in the college. Newsletters serve as a repository of ready reference for staff, students and other stakeholders. Since faculty and student achievements are posted regularly, they act as a motivating factor. Regular newsletters are a wellspring of vital information for parents of currently enrolled students and also future aspirants. College Newsletter serves as a springboard to initiate academic writing in faculty and students. Inclusion of pertinent information about upcoming events or contact information helps parents to consider newsletters as their immediate handy resource. 6. Problems Encountered and Resources Required

No obstacles faced as we are able to publish 5 volumes and 43 issues of newsletters from July 2015 to till date without a break. Perseverance is the best trait that accentuates this work. 2. Title of the Practice

TITLE OF THE PRACTICE: STUDENT ACTIVITY COUNCIL GOAL

- Establish an interface between the students and college administration.
- Provide a platform for students to explore their leadership skills.
- Create an environment that facilitates team work and group dynamics.
- Build a forum for voicing student concerns and grievance redressal.
- Involve students in organising college events and activities.
- Promote civic responsibility, human relations and a harmonious environment.
- Initiate and implement cultural activities that bring out the latent talent of students.
- Develop student potential that helps meet challenges.
- Decentralize power and responsibility by involving students in decision-making, problem-solving and conflict management.

THE CONTEXT Students are an integral part of the institution and also its ambassadors on whom the reputation of the college depends. To instil a sense of ownership and responsibility among students, a Student Activity Committee is formed so that it serves as a liaison between the students,

faculty and college administration. The members of this committee work within the framework of the institutional rules to conduct co-curricular, extra-curricular and community activities that foster leadership and team skills. The Student Activity Committee at ATRI plays a pivotal role in organising major events like Borealis-a National level techno, cultural and literary fest , Self-Governance Day (on Teachers' Day), festivities on occasions like Diwali, Christmas etc., The Student Activity Committee is crucial in the decentralization process as it engages students in the democratic functioning of the institute. The Student Activity Committee encourages the academic, professional and personal development of students , and aims at furthering the vision and mission of the college by aligning itself with all its objectives, in order to achieve excellence in its endeavours.

THE PRACTICE The process of selecting a Student Activity Committee begins with sending a circular to students of third year, asking them to first take a Psychometric test that assesses them in the areas of Leadership, Teamwork, Interpersonal Skills, Communication, Logical Reasoning, Target-goal Orientation, Conflict Management, Stress Management, Time Management and Cognitive Abilities. Based on the outcome of this test, they are shortlisted for an interview with a panel consisting of the Director and senior Professors. Care is taken to ensure that there is representation from all departments. During the interview, the students are assessed once again on the above parameters, and additional qualities like their personality traits, attitude, ability to meet challenges and body language are also considered. Hypothetical questions, stress questions, probing questions are asked in order to get better insights into their personality and their ability to meet challenges. They are also asked open-ended questions on their goals, their initiative-taking abilities and their experience in previous leadership and team roles. Once the interviews are over, the panel consolidates its observations, both qualitative and quantitative, and chooses students for the positions of President, Vice President, Secretary, Joint Secretary, Treasurer, Joint Treasurer, Web Designer and Executive Members, based on their aptitude and competencies. An Office Order is issued to this effect, followed by a meeting with the members to apprise them of their roles and responsibilities. A circular is also sent to the staff and students so that they can utilise the services of this committee for the conduct of various activities. The Student Activity Committee plays an active role in all major events of the college. From motivating students for optimal participation in activities and events, enlisting them and organising events to collecting sponsorships and canvassing in other colleges, they play a pivotal role. They function within the framework of rules of the college and are guided by a faculty coordinator, but are also allowed to use their own sense of discretion in decision-making and problem-solving. Innovative and creative ideas from the committee and other students are also welcomed, and their feasibility considered.

EVIDENCE OF SUCCESS The Student Activity Committee has been appreciated by all stakeholders for their resourcefulness, enterprise, enthusiasm and ability to meet challenges. They have successfully organised inter-college events and national level tecno-cultural-literary fests like Borealis, and college events like Self- Governance Day, Traditional Day, festivities like Dussehra, Diwali, Christmas and so on. They have worked in tandem with the various support systems and enhanced every aspect of the functioning of the college. Working in this committee has provided them with a rich experience in leadership, team work and other life skills that has helped them in their personal and professional growth.

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED The Student Activity Committee has faced challenges like minor disagreements from the students at times, collection of funds, getting sponsorships for major events, and so on, but they have used their persuasive skills and logical reasoning, along with advice from the faculty to overcome these hurdles. They have been provided with resources like a separate room, a Public Address System , a laptop, Wi Fi and Stationery.

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

https://www.atri.edu.in/about-atri_best-practices.html

7.3 – Institutional Distinctiveness

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

INTERACTIVE TEACHING LEARNING METHODOLOGY (ITLM) GOAL This innovative methodology was designed on the 'flipped classrooms,' concept, a blended learning approach, where face to face interaction is mixed with independent study. The main goal would be to make learning interesting through increased interaction using various collaborative methods like case studies, group discussions, debates, quizzes, student seminars, and role play. Through these methods, high motivation, communication skills, knowledge sharing, team spirit, freedom of expression and employability skills are inculcated in the students.

IMPLEMENTATION Students are divided into learning groups. A class of 60 will have 20 learning groups with 3 students in each group. Each group has one advanced learner, one satisfactory learner, and one slow learner. Objectives, guidelines and parameters for evaluation are communicated to the students. Performance of students is evaluated individually.

1. Case Studies Students are engaged in figuring out principles by abstracting from the case study examples. This develops their skills in problem solving, analytical thinking, decision making in complex situations, and coping with ambiguities.

2. Group Discussions Students share experiences, ideas and attitudes which foster the involvement in what they are learning. Discussion helps in relating relevant personal experiences, contributing ideas or opinions, solving problems, and expressing what had been learned.

3. Debates Debate helps learners to see the power of deploying rational, reasoned arguments and compelling evidence in action. The advantages include, gaining broad, multifaceted knowledge cutting across several disciplines outside the learners normal academic subjects, increasing learners' confidence, poise, and self-esteem, improving rigorous higher order and critical thinking skills, and enhancing the ability to structure and organise thoughts.

4. Quizzes Quizzes help teachers assess the effectiveness of their instruction, as well as understanding of the concepts. Quizzes are used to motivate students to learn, to help them remember content just covered, and to help assess what they learned.

5. Student Seminars Seminar reinforces the concepts and help them to get more information on the seminar topic. Seminars help in enhancing practical implementation of a topic, writing and communication skills, and research and presentation skills.

6. Role Play Participants use their own experiences to play a real life situation. They increase the participant's self confidence and usually end with practical answers, solutions or guidelines. Role play helps in improving interviewing techniques, observation skills, and imagination and application of knowledge.

RESULTS and EVIDENCE OF SUCCESS The institution had two targets - results and placements. The performance of the students in academics has improved gradually semester after semester due to the implementation of these methodologies. The students of the 2016 to 2017 batch are now in the fourth year and are actively participating in Campus Recruitment Drives. Their regular participation in debates, seminars, group discussions, role play, etc., have resulted in these students sharpening their communication skills and their increased confidence levels can be seen in their performances during the initial recruitment drives.

Provide the weblink of the institution

http://atri.edu.in/about-atri_institutional-distinctiveness.html

8.Future Plans of Actions for Next Academic Year

CURRICULAR ASPECTS: Encourage students to take-up value added courses through MOOCs such as NPTEL and Coursera in view of the pandemic. Encourage more number of students to enrol for summer internships. **TEACHING LEARNING AND EVALUATION:** Implement online learning technologies for conduct of live classes and online examinations. Establish revised and concrete mechanisms for evaluating the attainment of course outcomes, programme outcomes and programme educational objectives. **RESEARCH, INNOVATIONS AND EXTENSION:** Apply for copyrights for all intellectual property of faculty. Improve research publications by encouraging faculty and students to publish their project works in reputed national and international journals. Reach MoUs with industries for improving industry institute interaction activities. Encourage incubation of startups on campus. **INFRASTRUCTURE AND LEARNING RESOURCES:** Implement all the modules of Management Information System. Setup e-content development facility for recording video lectures. **STUDENT SUPPORT AND PROGRESSION:** Encourage more number of students to participate in national/international level sports/cultural activities. **GOVERNANCE, LEADERSHIP AND MANAGEMENT:** Apply for Autonomous Status to UGC. Apply for NBA Accreditation. **INSTITUTIONAL VALUES AND BEST PRACTICES:** Improve the existing practices in the institution through innovation.