YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY AND SCIENCES
• Name of the Head of the institution	K. Sri Rama Krishna
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	9642086380
• Alternate phone No.	7330789892
• Mobile No. (Principal)	9642086380
• Registered e-mail ID (Principal)	principal@anits.edu.in
• Address	Anil Neerukonda Institute of Technology &Sciences Sangivalasa, Bheemunipatnam, Visakhapatnam - 531162
• City/Town	Visakhapatnam
• State/UT	Andhra Pradesh
• Pin Code	531162
2.Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	29/04/2015
• Type of Institution	Co-education

• Location	**Semi-Urban**
• Financial Status	**Self-financing**
• Name of the IQAC Co-ordinator/Director	**Prof. R. Srikanth**
• Phone No.	**9154220250**
• Mobile No:	**9848472072**
• IQAC e-mail ID	**iqac@anits.edu.in**
3.Website address (Web link of the AQAR (Previous Academic Year)	https://www.anits.edu.in/naac/AQAR%202019-20.pdf
4.Was the Academic Calendar prepared for that year?	**Yes**
• if yes, whether it is uploaded in the Institutional website Web link:	https://www.anits.edu.in/academic_calendar.php

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	**A**	**3.01**	**2014**	**24/12/2014**	**31/12/2020**
Cycle 2	**B+**	**2.70**	**2021**	**10/08/2021**	**09/08/2026**

6.Date of Establishment of IQAC	**22/01/2014**

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

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
Nil	**Nil**	**Nil**	**Nil**	**Nil**

8.Provide details regarding the composition of the IQAC:

• Upload the latest notification regarding the composition of the IQAC by the HEI	View File

9.No. of IQAC meetings held during the year	3
• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?	Yes
• If No, please upload the minutes of the meeting(s) and Action Taken Report	No File Uploaded	
10.Did IQAC receive funding from any funding agency to support its activities during the year?	No
• If yes, mention the amount	

11.Significant contributions made by IQAC during the current year (maximum five bullets)
1.Academic Audit of the departments 2. Academic Research 3. eLearning platform 4. Skill development and Training
12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
calculation of COs and POs by including external exam marks	Calculated for the last three academic years
RUBRICS in Assessment of Labs	Assessed successfully in all departments

13.Was the AQAR placed before the statutory body?	Yes
• Name of the statutory body	

Name of the statutory body	Date of meeting(s)
Academic Council	10/07/2021

14.Was the institutional data submitted to AISHE ?	Yes
• Year	

Year	Date of Submission
31/05/2021	25/02/2022

15.Multidisciplinary / interdisciplinary

ANITS has taken a job of embracing the goal of the National Education Policy, which is to offer high-quality education to help our country's people resources grow into global citizens. The core NEP principles, including variety for all curricula and pedagogy with technology advancements in teaching and learning, supporting rational decision-making and innovation, critical thinking and creativity, were brought up in a discussion among the faculty members. Courses in the multidisciplinary and interdisciplinary fields have been added as electives to academic programmes. Every programme is created to give students as much freedom as possible when selecting electives from other Departments.

The National Educational Policy (NEP-2020) for higher education's primary goal is to stop the fragmentation of higher education by turning these institutions into sizable, interdisciplinary knowledge hubs.

ANITS introduced Minors program from R20 regulations where the students of one branch can study specified 5 courses of other branch to earn a minor degree.

Our institution has introduced a course on professional Ethics for B.Tech and M. Tech students, as well as life-skills, soft-skills and communication skills sessions for all students on campus as part of its dedication to holistic and multidisciplinary education. Additionally, our students take part in community service projects including setting up blood donation drives, and community services, among other things.

16.Academic bank of credits (ABC):

A crucial element of the NEP-2020 is that academic institutions must adopt academic bank credits. Moving forward, it is crucial and vital to integrate higher education institutions into a globalized environment. We have already made it possible for our students to enroll in online courses through national programmes like SWAYAM, NPTEL, or other MOOC platforms like Coursera, Udemy, etc. The institute has MoU with Infosys and adapted for students the Infosys Spring board courses. ANITS giving credits to the students who have

completed the courses through any of these platforms.

17. Skill development:

Only 5% of Indian workers between the age group 19 and 24 were anticipated by the results of the 12th Five-Year Plan to have formal vocational education. In India, expanding vocational education is essential for accelerating skill development. The NEP 2020 predicts a potentially explosive rise in the country's skill development through vocational education. Vocational education was supposed to be a requirement for all higher education and educational institutions. Vocational education will gradually be included into schools and universities during the coming years.

ANITS has a clear strategy to implement as it moves forward in order to empower young students and meet engineering demand:

1.   In R20 regulation skill-oriented courses are introduced in all branches of engineering, in accordance with APSCHE.

2.   Honors are introduced from R20 regulations to have more focus on specified skills

3.   Number of Value-added courses are conducted to improve students' skills.

4.   Students are encouraged to participate in various events like Hackathons etc., to improve their skills

5.   Student learning through Massive Open Online Courses (MOOC) is encouraged to improve their independent learning skills

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

The advancement of Indian expressions and culture is valuable not exclusively to the nation yet additionally to people.

In all engineering programs, English is required for communication and course work because engineering is a professional field. In contrast, the organization holds events and commemorative events in regional languages to foster a sense of regional pride. Mother language day is also observed. Students are addressed in their native languages on Republic Day and Independence Day, for example. One of the most significant days of the year is Engineers' Day, and another is Teacher's Day.

Women's Day is a significant day for cultural celebrations. Festivals like Janmastami, Vinayaka Chavithi, and Durga pooja, raise awareness of Indian regional and national languages and the culture that goes along with them. Additionally, national/international commemorative days like Yoga Day, earth day, water day etc are observed.

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

In accordance with the requirements set forth by the National Board of Accreditation, ANITS has implemented outcome-based education with course outcomes, program-specific outcomes, and clearly stated program outcomes. The cognitive skills of remembering, understanding, applying, analyzing, evaluating, and creating are at the center of all courses' outcomes. Learning outcomes at all levels, in addition to domain-specific skills, ensure social responsiveness, ethics, and entrepreneurial skills so that students actively contribute to the nation's economic, environmental, and social well-being. The PO-PSO philosophy is also reflected in the Course Outcomes (COs). In order to implement the spirit of NEP, each course syllabus has been designed with macroeconomic and social needs in mind.

Few innovative practices are:

1.   Introduction of CO, Blooms cognitive Level and Performance Indicators in exam papers

2.   Usage of Rubrics for Lab and project evaluation

3.   Weightage for activity-based learning in all the theory courses

An innovative curriculum that includes credit-based courses and projects incorporates values-based education, community service, environmental education, and other areas. The curriculum includes lab exercises and small projects with a focus on community involvement. The value-based education course Professional Ethics & Human Values is offered. The course Environmental Sciences examines all aspects of environmental sustainability. As a result, ANITS has a number of community outreach programs, like the Student Clubs, NCC and the National Service Scheme (NSS), which provide community extension activities.

20.Distance education/online education:

The country's educational institutions have become increasingly

involved in the use of digital platforms for engaging classes and holding conferences and meetings as a result of the Covid -19 pandemic. Online education has broken down geographical barriers, allowing experts and students from faraway regions to interact, despite the negative effects of not having face-to-face learning opportunities. The adoption of a hybrid educational approach that combines online and offline resources has been made possible by the opening of the economy, including educational establishments. This is envisioned as the new standard in the New Education Policy as well. Teachers and students will no longer be restricted in their ability to access online resources as a result of the knowledge gained during the closure period of Covid-19. Understudies are urged to do MOOC courses at ANITS which advances online training. During the Covid-19 pandemic, ANITS was able to successfully deliver all of its course content online using tools like Google Class Room, Webex and MOODLE platform.

Extended Profile

1.Programme

1.1	**15**
Number of programmes offered during the year:	

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

2.Student

2.1	**4469**
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	[View File](#)

2.2	**1172**
Number of outgoing / final year students during the year:	

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

2.3	**4448**

Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

3.Academic

3.1 Number of courses in all programmes during the year:	**491**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.2 Number of full-time teachers during the year:	**251**

File Description	Documents
Institutional Data in Prescribed Format	View File

3.3 Number of sanctioned posts for the year:	**251**

4.Institution

4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	**413**
4.2 Total number of Classrooms and Seminar halls	**85**
4.3 Total number of computers on campus for academic purposes	**974**
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	**1007.9**

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The academic programmes in ANITS are designed and developed in consonance with vision and mission of the institute and departments. The objective is to build the capabilities of students to face the challenges in the knowledgeand innovation driven world order today. The curriculum is designed such that the students demonstrate the essential knowledge, skills and abilities needed for professional practice so that they contribute to nation building.

The procedure adopted for designing the curriculum is very systematic and is based on the feedback and suggestions from various stakeholders such as industry, academia, alumni, faculty & students. Considering the inputs from various sources and also based on the AICTE model curriculum, it is ensured that the curriculum addresses the present day society or industrial requirements at local, regional and national/global level.

These guidelines form the foundation in designing the initial version at the departmental level basing on the feedback from the stakeholders. The curriculum is then placed for discussion by the department level BOS. The curriculum suitably revised based on suggestions by BOS is then placed for approval during the Academic Council and after incorporating suggestions by the council, if any, the curriculum is finally evolved.

File Description	Documents
Upload additional information, if any	[View File]()
Link for additional information	Nil

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

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	[View File](#)
Details of syllabus revision during the year	[View File](#)
Any additional information	[View File](#)

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

398

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

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

11

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	[View File](#)
Any additional information	[View File](#)
Institutional data in prescribed format (Data Template)	[View File](#)

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

The institute ensures that the curriculum is designed to provide holistic education to the students for developing ethical and moral values so as to groom them into responsible social citizens. While designing the curriculum sufficient emphasis is laid on Professional Ethics and Human Values, Gender equality, and Environmental sustainability.

Professional Ethics and Human values:

A course on Professional Ethics and Human Values is included in the curriculum of all the UG programmes. A number of activities comprising Human Values are conducted ranging from organizing blood donation camps, visiting old age homes, NGOs, , etc.

Gender Equality:

ANITS as a campus on the whole emphasises upon the equality of gender throughout its working environment amongst staff, students and others involved in its functioning.

Environmental Sustainability:

A course on Environmental Studies has been included for all UG programmes. The institute ignites sensitivity towards society and environment by various activities conducted by the Institutes NSS Team like zero plastic in the campus, distributing of cloth and paper bags, making of eco-friendly ganesh idols, installation of bins to collect wastage and motivating students to spread awareness of cleanliness and Swachh Bharat Mission through activities like cleaning of beach, campus cleaning etc.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

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

23

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

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

3398

File Description	Documents
List of students enrolled	View File
Any additional information	View File

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

1965

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

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained   A. All 4 of the above

**from 1) Students 2) Teachers 3) Employers
and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	https://anits.edu.in/stack_Feedback.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following

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

File Description	Documents
Provide URL for stakeholders' feedback report	https://anits.edu.in/stack_Feedback.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

975

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

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

382

File Description	Documents
Any additional information	<u>View File</u>
Number of seats filled against seats reserved (Data Template)	<u>View File</u>

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

ANITS practices student centric approach. Our mechanism to identify different levels of students is as follows;

Support for slow learners :

• Counselling is given tostudents by subject handling faculty, class teacher, proctor and head of the department.

• Mentor followsstudent's progress regularly, advise them to overcome the difficulties inlearning processes

• Remedial classes are conducted.

• Additional focus upon communication skillswho are weak at communication

Encouragement for Advanced Learners :

• Mentorsencouragethem to participate in project design contests and coding contests.

• Conduct GATE classes, Awareness camps to pursue higher studies abroad

• Students with innovative ideas and do projects relevant to societal issues are given financial support for their work through Institution Innovation Council (IIC) and to take up mini-projects.

• Pure Gold medals of 10gm for toppers in each branch and Cash award for top two students from each section are given every year

• Conduct hands on training in advanced programming languages and emerging technologies.

• Encouraging students to take an active role in student

professional bodies/ chapters

· Giving assignments to the students on topics beyond curriculum.

Students are guided to take up additional courses viz. NPTEL courses, MOOCs.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	**Nil**

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/12/2021	**4469**	**251**

File Description	Documents
Upload any additional information	View File

2.3 - Teaching- Learning Process

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

A plethora of student centric methodologies such as active learning, cooperative learning, project-based learning, experiential learning, experimental learning, blended learning and other ICT based learning methodologies are adopted for effective communication of the subject knowledge to the students. Students are taught with the mission that fosters a learning environment which nurtures exploration of various skills and critical thinking about the subject. This presents new opportunities for academics in strengthening the courses.

The following are the highlights of student centric methods adopted:

· Provision for individual involvement in practicals/project work/industrial visits, technical seminars.

· Conducting educational trips and surveys

· Visiting faculties drawn from industry and academic institutes of

repute supplement the teaching process and provide the information to bridge the gap between industry and academia

· Provision of e-learning resources

· Internship programmes

· Conducting workshops/seminars/conferences focusing upon bridging the gap between industry and academia and latest trending technologies

Thus, ANITS strives hard and effective in the smooth but swift transformation from conventional teacher centric learning towards student centric learning campus.

File Description	Documents
Upload any additional information	[View File]()
Link for additional Information	https://anits.edu.in/elearn_main.php

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

Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction.

The following innovative teaching methods are adopted by the faculty:

· Computers are used for teaching purpose and internet facility is available to students and faculty.

· Faculty members are utilizing resources like NPTEL, video lectures, MOOCs, E-Journals etc. for effective teaching.

· LCDs etc. are used for teaching purposes.

· Well-structured lesson plans are prepared / revised for all theory and practical courses scrutinized by HOD and made available in the

website for student's access

· Provide the platform to develop the coding skills by conducting coding competitions.

· Working Models and Charts for Demonstration has been developed to increase the understanding of students.

· An effective E-learning Platform (MOODLE) is used as a Learning Management System. Course Assignments and Quizzes are accessed through this e-learning platform.

· Conducting hands on sessions to the students on advanced programming languages and softwares.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://anits.edu.in/elearn_c.php
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

239

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

An academic calendar provides the complete schedule of class work, mid examinations and end semester examinations for both odd and even semesters. Each semester will have minimum 90 working days. The calendar is prepared at the institutional level under the Principal's administration in consultation with the Dean of examinations and HODs.

The academic calendar prepared at the institution level is adhered by all the departments strictly. Further individual departments prepare a detailed calendar consisting of both curricular and extracurricular activities without affecting the academic schedule. The departmental calendar also provides slots for guest lectures, industrial visits, seminars/workshops, Tech-fest etc. Each department constitutes Class Review Committee (CRC) comprising of HoD, class teacher, faculty and students.

The responsibility for preparing the teaching plans for the subjects lies with the individual faculty. The teaching plan/course plan is prepared by the individual faculty well in advance based on the academic calendar and is checked by the HOD and appropriate committee in the department. The academic plan structure is prepared to adhere the needs of Outcome Based Education and faculty provides the details in the available to the students through MOODLE platform and also maintain course files.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	[View File](#)

2.4 - Teacher Profile and Quality

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

251

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

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

78

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

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

7years 6 months

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

2.5 - Evaluation Process and Reforms

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

19.4

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

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

33

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

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

The institute strongly believes "Assessment Drives Learning" and appropriate measures are taken to revamp the assessment system in tune to outcome based education.

Processes Integrating IT

· Examination Management System (EMS) services are available to integrate all the activities in the examination branch. The pre and post examination activities are integrated, starting with examination notification.

· Payment gateway is also available for the payment of various fees online by the students to make the registrations online for various services.

· The EMS is enabling the student to see results online.

· Complete automation of examination process helps in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, seating arrangement, attendance monitoring, coding and decoding of scripts, marks data entry, preparation and analysis of programme wise results.

Continuous internal assessment system

· The Continuous Internal Evaluation (CIE) marks / internal marks for all courses per semester are made available to students to ensure transparency.

· Two mid semester exams, two assignment tests and quizzes are conducted for each paper of the subject in each semester.

· The results are placed in college website.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://autonomous.anits.edu.in/

2.6 - Student Performance and Learning Outcomes

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

The learner centric Outcome Based Education (OBE) is being implemented in the institute. Each programme defines Programme Educational Objectives (PEOs) which are broad statements that describe the professional and career accomplishments that the programme is preparing its graduates to accomplish and they are consistent with the mission of the department. Programme Outcomes (POs) transform PEOs into specific student performance and behaviour that demonstrate student learning and skill development which are in line to the graduate attributes of NBA. Programme Specific Outcomes (PSOs) are defined to deal with the requirements of the particular to the related sub-discipline based on the strengths of the departments.

The programme outcomes are disseminated to all the stakeholders through various channels such as:

- **The department specifics available in college website**

- **Display boards in the departments.**

- **Published in the prospectus and academic regulations / syllabus book**

- **During various interactions such as**

- **The induction programme**

- **Faculty meetings**

- **Parents meeting**

- **Professional body meetings**

The dissemination of COs is generally done through:

- **Displaying them in the classrooms and laboratories.**

- **The department specific syllabus in the website.**

- **Introductory sessions during the commencement of courses**

- **In the learning management systems such as MOODLE platform**

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	[View File](#)
Upload any additional information	**No File Uploaded**
Link for additional Information	**Nil**

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The curriculum is developed by each department taking all the POs into consideration and ensuring that the curriculum strongly maps to all the POs.

Assessment of CO attainment: Assessment tools used for computing CO attainment are: The Direct Assessment Tools given by performance in Continuous Internal Evaluation and Semester End Examination and the Indirect Assessment Tool given by the Course End Survey.

ASSESSMENT OF PO/PSO - ATTAINMENT:

The PO & PSOs attainment percentages are calculated based on the following tools.

Direct Tools:The CO attainment values of all courses in the programme i.e. theory, practicals and projects are used to determine the attainment of all POs. based on the CO-PO / PSO mapping matrix. The CO-PO / PSO mapping matrix on a 3 point scale for a particular subject.

Indirect Tools:The indirect tools consist of exit feedback,

recruiters feedback, alumni feedback, attainment curricular and extracurricular activities. They are mapped to different outcomes of POs and PSOs on a three point scale which are appropriate for a specific tool.The attainment values are obtained as the weighted average of the values obtained through both direct and indirect tools.

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

2.6.3 - Pass Percentage of students

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

1165

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File]()
Upload any additional information	[View File]()
Paste link for the annual report	https://autonomous.anits.edu.in/annualreport/2020-21/4-2.pdf

2.7 - Student Satisfaction Survey

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

https://www.anits.edu.in/naac/Student%20Satisfactory%20survey%20(2020-2021).pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

In addition to teaching ANITS acknowledges research, consultancy, patents and innovations as major thrust areas. The increase in the number of research publications, FDPs organized by the institute and participation in FDPs/STTPs/Conferences by the faculty during the last five years is a representation of ANITS in its commitment towards research. To promote research ecosystem, the institute arranges guest lectures by prominent researchers and signed MOUs with renowned organizations. The labs are modernized through the MODROBS scheme and financial assistance from industries.

The R&D committee consisting of faculty coordinators from various departments of the institute meets quarterly to discuss the progress of research activities of faculty and students. To promote interdisciplinary research the faculty from other departments are also invited for research talks.

The management of ANITS encourages the faculty and students in carrying out active research by providing support such as:

• Study leave with salary for the faculty pursuing PhD under QIP

• Financial assistance to attend conferences and workshops in India and abroad

• Cash incentive for publishingquality papers in International Journals.

• Providing necessary infrastructure and technical support

• Supporting measures for patent filing

• Continuous augmentation of labs with state of art equipment and software

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.anits.edu.in/naac/ANITS%20RD%20policy.pdf
Any additional information	View File

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

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

0

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

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

39

File Description	Documents
e-copies of the award letters of the teachers	<u>View File</u>
List of teachers and details of their international fellowship(s)	<u>View File</u>
Any additional information	**No File Uploaded**

3.2 - Resource Mobilization for Research

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

4

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

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://anits.edu.in/rd.php
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

23

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

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

2

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	**Nil**
Any additional information	View File

3.3 - Innovation Ecosystem

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

ANITS has established "Institution's Innovation Council (IIC)" as per the guidelines of MHRD Innovation cell, to develop the ecosystem required for entrepreneurship and Incubation.

Institution's Innovation Council at ANITS is a unique model based on to promote innovation and incubation of ideas among student and faculty fraternity. IIC helps to build the entrepreneurship ecosystem in the institute and it would be a platform to bring the budding technical ideas of young upcoming engineering graduates into reality. IIC is conducting various activities like interactive sessions of renowned entrepreneurs with students, being a facilitator in filing patents of novel ideas of the institute fraternity.

ANITS IIC meets regularly once in a quarter to finalize the activities basing on a calendar of events. ANITS IIC received funding for conducting MHRD Impact Lecture Series to encourage students to start their start-ups. ANITS has signed MOU with National Research Development Corporation (NRDC) India, to help students and faculty to apply and protect IPRs and convert their ideas to starts up.

Apart from this, engineering departments hosts activities like Conferences, expert talks, training on start-ups, entrepreneurship boot camps, etc which enables the students to create and transfer the knowledge.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://iic.anits.edu.in/

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

26

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

3.4 - Research Publications and Awards

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

A. All of the above

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

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

3.4.2.1 - Number of PhD students registered during the year

31

File Description	Documents
URL to the research page on HEI website	https://anits.edu.in/rd.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

126

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

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

44

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.anits.edu.in/rd.php

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

3.4.5.1 - Total number of Citations in Scopus during the year

697

File Description	Documents
Any additional information	**No File Uploaded**
Bibliometrics of the publications during the year	View File

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

3.4.6.1 - h-index of Scopus during the year

12

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

3.5 - Consultancy

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

3

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

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

1,71,128.00

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

3.6 - Extension Activities

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

With an aim to instill the idea of social welfare in students and to provide service to society without bias, the institute organizes various activities under NSS and other student clubs.

Societal concern activities:

Under this, the NSS volunteers have conducted various activities such as rallies against usage of plastic, eco-ganesha programmes, save water / road safety rallies & presentations, and surveys in the neighborhood villages on perpetual problems. The NSS unit which has adopted 5 villages, concentrates on the welfare of the neighbourhood community and sensitizes their social problems and takes necessary steps for the betterment of the society.

Green and cleanliness activities:

Various activities taking inspiration from Swatch Bharat initiative, paper presentations and seminar on Vanam & manam were organized by the NSS students.

Life saving activities:

Blood donation is truly an altruistic gift that an individual can give to others in need. The NSS team in association with Lions club, NRI blood bank has organized many camps.

During Covid-19 lock-down period, in the month of April 2020 essential commodities were distributed to 4000 families in the 7 nearby villages.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://anits.edu.in/nss_main.php

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

52

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

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

collaboration with industry, community and NGOs)

18

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

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

2803

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

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

221

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

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

11

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institute has the infrastructure facilities fulfilling the norms stated by statutory bodies such as AICTE, UGC etc. The institute, which is spread over an area of about 10.5 acres a built-up area of over 4.2 lakhs sq.ft, has a very conducive atmosphere and adequate facilities for effective teaching and learning.

There are 85 spacious class rooms & seminar halls, 4 drawing halls and each class room is equipped with black/green board, writing desks, fans and LED and are ICT enabled. The departments have adequate LCD projectors for effective teaching and learning process. The departments have established state-of-the-art laboratories to cater to the needs of UG and PG curriculum. There is one central auditorium, five well equipped spacious seminar halls to conduct seminars, expert lectures.

There are about 1000 computers with varied specifications. Available bandwidth of internet connection in the Institution (leased line) is 100 Mbps. The Campus-Wide Networking facility connects all the departments, hostel and office.

The central library has a floor area of more than 12000sq. ft. The Library is well equipped with modern facilities and resources. The library operations have been computerized using LIBSYS software package. In addition to central library, every department has its own departmental library.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://anits.edu.in/infrastructure.php

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

The institute believes that quality physical education programs are needed to enhance not only the physical and health fitness but also helps the good mental health and helps camaraderie among the students. Physical education department caters to almost 20

disciplines of sports and physical education for both men and women. It has good infrastructure for indoor sports and provides excellent facilities in terms of equipment.

College provide facilities for out-door gamessuch as Basketball, Volleyball, Handball, Netball, Ball-Badminton, Kho-Kho, Kabaddi, Throw ball courts and Cricket ground.Facilities for In-door gamesinclude Table tennis, Chess, Weight lifting, Power lifting, Carroms, Fitness Center and Yoga. Majority of students take part in the said sports activities and won many prizes in University and national level games. Gymnasium facility is available not only in college but also in ladies and boys hostels separately.

The Yoga and meditation classes are conducted in association with Sri Pathanjali Yoga Kendra and mass yoga programs are organized at regular intervals.

The institute has adequate facilities for all cultural activities. The students clubs play vital role in organizing the regular activities in dance, music and drama. The cultural fests during college day celebrations and departmental tech-fests are organized by the clubs.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	https://www.anits.edu.in/sportsinfrastructure.php

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

85

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

Lakhs)

106.61

File Description	Documents
Upload audited utilization statements	View File
Details of Expenditure, excluding salary, during the years	View File
Any additional information	View File

4.2 - Library as a Learning Resource

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

The ANITS Central Library was established in the year 2001 and has a floor area of 12000sq. ft. Library operations have been computerized using Library automation software, LIBSYS4 since 2007. The software aids to perform day-to-day library activities such as housekeeping and information retrieval through human interventions.

This library automation softwarealso helps in for user search (OPAC) for books, documents, journals and CDs or DVDs. Search can be filtered on the basis of: Title, Author, Subject, Publisher, Word title of book, Search in combination. In addition to the central library, every department has its own departmental library.

The Library has digital services consisting of 40 computers with 100 Mbps dedicated network providing seamless availability of E-journals to all the Student and Staff. This full-fledged Digital Library is equipped with necessary modern equipment in order to provide various digital mode library services and NPTEL video lectures facility.

Library & Information Centre provides uncompromising information and intellectual requirements to its students and faculty with an user-friendly approach. It offers a fully integrated and dynamic environment for the academic related activities.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://library.anits.edu.in/

4.2.2 - Institution has access to the following: e- **A. Any 4 or more of the above**
journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote access
to e-resources

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

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

13,13,429.00

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

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

587

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

4.3 - IT Infrastructure

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

The IT Policy of the Institution provides guidelines for the protection and use of information technology assets and resources within the institution to ensure integrity, confidentiality and

availability of data. The computer development and maintenance cell (CDM) and the website committee constituted in the college ensure IT policy implementation. The IT policy enforces and ensures information & network security standards to prevent any misuse from its own users and outsiders.

The institute has adequate IT infrastructure to meet the curricular needs and is upgraded regularly as per details given below.

1. Systems: The institute has 974 systems in various labs exclusively to meet the curricular requirements. More than 100 systems are available for administrative, examination section and other academic needs.

2. Networking and Internet: All systems in the campus are networked. Since 2015 networking standard used has been 'cat6 cabling'. All the hubs have been upgraded to 1 Gbps and rack mounted. The current internet connectivity is 100Mbps with 1:1 connection ratio.

3.WiFi: The whole campus is WiFi connected.

4. Software: The institute has all requisite softwares as per the curriculum and from time to time they are upgraded.

5. Information Technology Security: CYBEROAM software is used for network security.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://anits.edu.in/IT_Policy_ANITS.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4472	974

File Description	Documents
Upload any additional information	View File

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

A. ?50 Mbps

campus

File Description	Documents
Details of bandwidth available in the Institution	View File
Upload any additional information	View File

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

A. All four of the above

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.anits.edu.in/econdev.php
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

74.1

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

General maintenance of physical facilities such as buildings and other utility services:

The central maintenance department looks after the maintenance of buildings, cleanliness of campus, various utilities such as water, plumbing, electrical, carpentry and other related issues.

Maintenance department perform routine checks and preventive maintenance as scheduled. Annual stock verification is scheduled every year at the end of the academic year across all departments. The stock verification team verifies the equipment physically and submit a report about their status.

Maintenance of computer systems, networking, and internet facilities:

A CDM cell is constituted in the institute to look after all the issues related to maintenance of computers, networking and internet facility. Basing on the complaint raised by each department the technical personnel will resolve the issue.

Library Services:

The library has various procedures for using the library services such as Admission to Library, Working Hours of the Library circulation Issue System, Overdue Charges, Book Lost, Book Bank for SC/ST students, internet accessibility and journals accessibility.

Laboratories:

The laboratory faculty in charges and technicians of the lab ensure regular maintenance and the equipment are in good working condition such that the regular academic processes run smoothly. Calibration of equipment is done periodically.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2132

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	View File

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

828

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

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

A. All of the above

File Description	Documents
Link to Institutional website	https://www.anits.edu.in/student_development.php
Details of capability development and schemes	View File
Any additional information	View File

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

2335

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

A. All of the above

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

630

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

23

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

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

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

64

File Description	Documents
Upload supporting data for students/alumni	[View File](#)
Any additional information	[View File](#)

5.3 - Student Participation and Activities

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

4

File Description	Documents
e-copies of award letters and certificates	[View File](#)
Any additional information	[View File](#)

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

The Institute creates a platform for the active participation of the students in the various academic and administrative bodies including other activities. This empowers the students in gaining leadership qualities, in following rules, regulations and execution of skills. Students actively participate and organize various activities

related to academics, co- curricular and Extra-curricular activities, with the guidance of faculty.

Students as members of various committees involve in the decision making process and bring more dynamism into the system. Various committees /activities through which students play a crucial role in the development of the institute are:

Library committee

Sports committee

Hostel mess committee

IQAC

Placements committee

Editorial board

Grievance redressal committee

Department Tech fests / college day committees

Class Review Committee (CRC)

Professional bodies

Humanitarian and Social awareness bodies

Clubs

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

16

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

5.4 - Alumni Engagement

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

The Alumni are of great strength to the institution. An active alumni association can contribute in academic matters, student support as well as mobilization of resources – both financial and non-financial.

ANITS Alumni Association (AAA) is a registered body (Regd. No:1789 /2006) various members to engage, execute and enhance various activities of the association. Alumni are connected to the alma mater, faculty and students through web and other social media. The association provides a focal point of contact to interact and network with each other as well as with the alma mater. Alumni meet is organized at regular intervals.

Alumni as members of BOS in all departments provide feedback for curriculum improvement to meet the demands of industry. They also contribute as mentors during the campus recruitment drives and organize mock-interviews and help the students in placements and career guidance.

.Financial Contributions:

Mr A Rohit, alumnus of Mechanical dept has provided financial support to 2 needy students of Mechanical dept by paying tuition fees. The support given is to a tune of Rs 40,000/- to S Gangadhar in the year 2018 and RS 35,000/- to N Bahnu Prasad in 2020.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://alumni.anits.edu.in/

5.4.2 - Alumni's financial contribution during the year   C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	[View File](#)

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The spirit of the Institute, core ideology and performance are reflected in its vision, mission and quality policy statements.

Good governance and participative decision making process is adopted to achieve the vision, mission and the goals of the institution and also in building effective organizational culture.

The Board of Governors is the apex body constituted based on statutory provisions to oversee the academic growth and development of the institute. Principal as head of the institute is supported by HODs, assistant principals, administrative officer and chair persons of various institute level committees to ensure seamless management happens systematically and encourages participative leadership by involving various stakeholders at various appropriate levels of decision-making.

Various committees such as Governing Body, Academic Council, Board of Studies, Finance committee etc., are constituted as per UGC guidelines. Other academic/administrative committees such as research and development committee, internal quality assessment cell, examinations committee, staff development council are headed by senior faculty members and thus involved in all important decisions as part of governing and executing the plans of the institution. .

The faculty members are nominated in various committees for decision making and managing various functions of the institute both at institute and department level.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://www.anits.edu.in/governing.php

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The institution has decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions.

The constitution of statutory committees like Governing Body , Academic Council, Finance Committee, Board of Studies are systematically carried out with specified functions and responsibilities as per the requirements to the regulatory/statutory bodies. These committees play a major role in policy making of governance, academics, finance, research and teaching learning.

The Principal ensures the smooth functioning of the institution with the support of Head of the Departments, Assistant Principals, Administrative Officer and various committees.

The regular meetings organized in the college such as HODs meeting at institute level, faculty meetings at department level, the discussions happen therein and feedback of different stakeholders & appropriate action on various suggestions are indicative of the participative management.

This shows that the institution has decentralization of administration through committees and has participative management. A democratic approach is setup in the decision-making process, by which all stakeholders of the institution could participate in the managerial decisions.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://www.anits.edu.in/organizationchart.php

6.2 - Strategy Development and Deployment

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

The strategic plan is developed keeping in mind the vision, mission and objectives of the institution. The process of preparing the strategic plan is based on the inputs from various stakeholders, developed through focussed group discussions both at institutional and department level. The latest institute strategy document has a plan for the nine identified goals for five years (2019-2024), action items and metrics are developed with an aim at achieving excellence through optimum utilization of resources. The new strategic plan is prepared based on global needs, present day societal issues and also based on SWOT analysis of the institute.

The present strategic plan focuses on broadening the educational areas, enhancing the teaching-learning experience and makes the faculty and students as life-long learners, strengthening human resources and R & D activities, enhanced engagement with industry and society, innovation and incubation eco-system and alumni engagement.

The institute reviews the progress of implementation of Strategic Plan and take necessary action to achieve the broad based goals.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://www.anits.edu.in/iqac.php
Upload any additional information	View File

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

The institution has decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions.

The Principal ensures the smooth functioning of the institution with the support of Head of the Departments, Assistant Principals, Administrative Officer and various committees. There are non-statutory committees working hand in hand in identifying possibilities, planning, organizing, implementing and monitoring all the activities of the institution.

All Stakeholders of the institution have participative roles in various decision-making committees. The HoDs take decisions related to the departments independently in cognizance with the views of the stakeholders. The college makes sure that every faculty is involved in at least 2 or 3 committees of the college. Representation from the student community in decision making bodies is also ensured.

This shows that the institution has decentralization of administration through committees and has participative management. Effective & decentralized leadership and participative decision making processes are adopted to achieve the goals of the institution and also in building good organizational culture.

File Description	Documents
Paste link to Organogram on the institution webpage	https://anits.edu.in/organizationchart.php
Upload any additional information	View File
Paste link for additional Information	https://anits.edu.in/anits_service_rules.php

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	**No File Uploaded**

6.3 - Faculty Empowerment Strategies

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

The institute strongly believes that human resources the most important factor for the growth of institute in right direction and in accomplishing its mission. Some of the measures taken up in the institute for the welfare of staff are:

Wage and Salary Administration:

Providing compensation in a reasonable equitable manner, Systematic self-appraisal system for increments and other benefits.

Employee Benefits:

Availability of EPF for all staff and ESI benefit for non-teaching staff

Health and hospitalisation benefits:

The institute supports a contributory and voluntary Group Medical Insurance for teaching and non-teaching staff members for ease in accessibility to comprehensive health services. Free medical check-ups and discount on hospitalization charges are made available to all staff in the super speciality hospital owned by the same society.

Leave and Holidays

Career and professional development

Recognition for the academic and research excellence:

Honouring and celebrating the contribution and successes of each and

every faculty and staff member of the college and providing Best Teacher Awards every year during the annual day celebrations.

Recreation:

Many recreation facilities like indoor sport and gym facilities are provided to staff. The outdoor and indoor events are conducted every year under Samanvay at the institute premises.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

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

121

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

27

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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

151

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute has a mechanism for audit to ensure financial compliance. The institutional accounts are regularly audited. The observation of the auditors if any are immediately corrected / rectified.

The financial audit is a regular process and a team of finance experts do a thorough check and verification of all payments, receipts & journals vouchers of the transactions cash books, ledger account reviews that are carried out in each financial year on an accrual basis system. The auditors appointed by the college perform audits of the financial statements of the college. The financial records are audited by qualified chartered accountants after the end of each fiscal year is certified income & expenditures, balance sheet and prepared notes to accounts are certified.

The Institution has well defined mechanism to monitor effective and efficient use of available resources. Audited financial statements made available in the public domain by displaying them in the institute website and are sent to the statutory and regulatory bodies whenever necessary.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://anits.edu.in/auditstatements.php

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

0

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

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

Sources of income:

The major source of income to the college is the annual fees collected from students. The fees are fixed by the government of Andhra Pradesh based on recommendations of AP fees regulating authority.

Funds received from organizations such as UGC, AICTE, DST, ISTE etc are used to conduct research, organizing seminars and conferences, modernisation of labs and travel grants.

Optimum utilization of resources:

Each department prepare the proposals under four different heads of account carefully considering the previous year's expenses, developmental activities foreseen for the next academic year. The yearly budget is divided into 4 quarterly requirements for effective utilization of funds. For major equipment the departments ascertain from the suppliers the tentative costs so that there will be clear assessment of expenses and thus the utilization of funds is done optimally. After assessing the projected income and expense for an academic year, the governing body approves the budget to each department. After the allocation, the departments can avail the financial resources for various activities and as it is well planned, the expenses are within the sanctioned amount. Budget utilization is reviewed at regular intervals by the concerned BoG members to ensure the funds are utilizes optimally.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://anits.edu.in/rd_projects.php

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The IQAC of the institute believes in Kaizen and various initiatives taken up under the aegis of IQAC were institutionalized. It extends support to all the academic activities and recommends student centric approach in various processes.

Two practices of IQAC that were established in the institute as regular activities contributing to the development are:

1. Academic Audit of the departments:

The internal audit which is organized every year provides an opportunity to all the departments to understand their performance in all activities, improvements shown and to identify specific areas to be focused upon. The internal audit is organized for 7 parameters and they are Teaching Learning processes, student performance, faculty contributions, co-curricular activities, student support systems, continuous improvements and best practices in the departments. The departments also organize external audit on 9 parameters with focus on CO-PO attainment and other TL processes by external members.

2. Academic Research.

Various measures were taken by the institute under IQAC for enhancing the research related activities. The activities include motivation, sponsoring for faculty development programmes and sponsoring for QIPs for regular Ph.D and support for Ph.D activities by means of financial terms / leaves etc., has ensured a visible increase in various outcomes.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://anits.edu.in/iqac.php

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

The IQAC has significantly contributed towards improving academic environment, teaching and learning processes, curriculum development & evaluation methods and overall research environment in the institution.

The institute has several measures for quality check and quality enhancement such as : course plans, course files by the faculty for each subject, class work review committees, different feedbacks from students / alumni, remedial classes for slow learners, beyond curriculum topics and usage of MOODLE & other ICT tools for enhanced learning of the students. Organizing various guest lectures, seminars, facilitation to lifelong learning through NPTEL / MOOCS courses & other e-resources, activities through student technical chapters, tech-fests etc., are regular features in the institute. The activities and development in departments are reflected in a format called departmental performance index and are reviewed through internal audit by IQAC cell.

Two practices in teaching learning practices facilitated and contributed with a significant impact on teaching learning processes are:

1. E-learning platform:

The institute uses MOODLE as a learning management platform to benefit the students for enhanced learning.

2. Skill development and Training

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://anits.edu.in/iqac.php

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	https://anits.edu.in/iqac.php
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	No File Uploaded

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

ANITS always believes that empowerment of women is the most important aspect development and well being of the society, nation and the human race. The institute has 34% of women faculty on rolls and 31% of girls in students. The institute has women in leadership roles with 45% of HODs are women who play important role in the decision making of the institute. The college takes up different measures for the safety, development and welfare ofwomen. Some of the measures are:

• The women grievance redressal committee of the institute address the grievances related to gender safety and security if any.

• The Institution surveillance is managed through CC cameras with a centralized control room forsafety and security ofstudents.

• Separate hostel facility is provided for girl and boy students with biometric attendance and round the clock security. Adequate security personal is deployed in the campus round the clock.

• **Seats are reserved in the common transport for girls and the women faculty.**

• **Complaint/suggestion boxes have been fixed in all departments and hostels in the campus.**

• **Ladies Waiting rooms are available for students and faculty to rest in case of any illness in all departments.**

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid waste management:

Institution has MoU with M/s Ganapathi scraps for waste management.

• **The dry solid waste is put by the respective departments in a collection pit located within the campus. This dry solid waste is collected every day in the morning and campus is kept clean. Twin-Bin system is being used in the Institute to segregate recyclable and biodegradable waste.**

• **Chemical and hazardous waste from laboratories if any are disposed as per norms.**

• **The campus is Wi-Fi enabled andall communication is made online minimizing paper usage.**

- Organic waste is composted and used for manure.

- Sewage Treatment Plant (STP) of 200 KL/day capacity is in use. The treated water is used for flushing and gardening purpose.

- Liquid chemicals from Labs are disposed as per safety norms.

- All Computers, batteries and electronic machinery is purchased under Buy-Back agreement.

- All computer systems are havingLCD monitors.

- The lighting in the Academic, Administrative and Hostel areas is through LED bulbs.

- Students take initiative in providing bins across the campus to collectE-waste. The collected material is disposed for recycling through authorized vendors.

- A solar plant of 450.KWp is installed on the roof tops of all blocks and is connected to Grid.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

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

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	No File Uploaded

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

The institute believes in inclusive education where all students, regardless of any challenges they may have, receive high-quality instruction, interventions, and support that enable them to meet success in the core curriculum. Hence an environment is built in the Institute so as to create

• A supportive, respectful environment promote diversity and fairness in the entire campus.

• To have high expectations of all students as research shows that students respond better when they feel that their teacher has faith in their abilities and is not focusing on their inabilities.

• A supportive peer culture both inside and outside the classroom by empowering them to respecteach other, making empathy and caring 'fashionable' and reinforcing positive and pro-social attitudes by encouraging learners to help each other.

• Outcome based learning ensures holistic development of students

with involvement of stakeholders and thus brings in societal issues to be addressed in curriculum.

• Providing 'community' approach or group tasks for learning and teaching.

Atfaculty / staff level, the institute believes in creating an inclusive environment where people of all cultural / social orientations can freely express their opinions. They must feel safe from abuse, harassment or unfair criticism.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)

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

The Institute has striving forward with great effort to increase the level of awareness and appropriate practices amongst the students with regard to the following areas:

• National Identities and Symbols:

The Institute has always taken various steps which promote the awareness about various National Identities and Symbols. Important days of national significance are celebrated with great pomp and vigour.

• Co-curricular and extra-curricular activities:

The students have enthusiastically participated in various programs like: Academic programs like Seminar, Conferences, Expert talks, etc which have enriched the awareness about this aspects. The students oraginize mock parliament to create awareness in informal manner.

• Knowledge on Constitutional Obligations:

The Institute organizes various student centric activities through club in which the topics related to constitutional and societal issues are regularly given. There will be good participation from students and thus it promotes awareness about various aspects of Indian citizenship.

• **NSS programmes and other social service activities:**

The NSS unit of the Institute organize various events such as Swatch Bharat, awareness camps on traffic rules, COVID etc.,distributingessential commodities to needy people, adopting villages etc., All these make them understand their duties and responsibilities and make them good citizens of the country.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	[View File](#)
Any other relevant information	**No File Uploaded**

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

A. All of the above

File Description	Documents
Code of Ethics - policy document	[View File](#)
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	[View File](#)
Any other relevant information	[View File](#)

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

The institute organizes various national and international commemorative days, events and festivals every year signifying the importance of such days through different activities: Some of them are mentioned below.

- **National Youth Day- 12 January -The birthday of Swami Vivekananda**

- **Republic day- 26thJanuary:**

- **Science Day- 28thFebruary**

- **International Women's Day -8th March**

- **International Day of Yoga – 21st June**

- **Independence Day- 15th August**

- **Teachers Day-5thSeptember**

- **Engineers Day15thSeptember- Sir Mokshagundam Visvesvaraya Birth Anniversary**

- **World Students' Day15th October - APJ Abul Kalam Birth Anniversary:**

- **National Education Day- Sri MaulanaAbulKalam Azad Birth Anniversary -11th November**

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<u>View File</u>
Geotagged photographs of some of the events	<u>View File</u>
Any other relevant information	<u>View File</u>

7.2 - Best Practices

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

GOOD PRACTICES:

Format of Presentation Institutions may have many good practices that add value to the quality of education they offer. For presentation of each of those practices the following format may be used. Care may be taken to avoid general descriptions and focus may be on concrete practice.

Title of the practice:

Using Rubrics as a tool in the assessment processes to implement outcome base education system in the institute in true spirit.

The context that required the initiation of the practice (100 – 120 words):

In the 21st century, professional skills (also known as soft skills, generic skills or transferable skills) have emerged as important attributes of a graduate engineer. Studies show that Industry / employers around the world value these abilities(non-domain skills) on par with the disciplinary knowledge (domain skills). The assessment of these global competencies is an important aspect in outcome based education.

File Description	Documents
Best practices in the Institutional website	https://anits.edu.in/i2.php
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

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

It is planned to start new M Tech Programmes in Food Technology and VSLI & embedded systems from the academic year 2021-22.

It is planned to enhance the internet connectivity to 1000 Mbps from the existing 100 Mbps.

It is planned to have recruitment drive in 2021-22.

It is planned to provide at least 8-10 lakhs as seed money to faculty for enhancing research culture in the college.

More number courses under open electives / internships as in the R-19 and R-20 regulations to be offered under the MoU with Infosys, Wipro etc..

After getting a 4 star rating from MHRD for various activities under IIC, the same tempo must be continued in the coming academic year also to nourish innovation and incubation eco system in place.

New labs for the newly started UG courses are to be completed in the new I block.

In the upcoming year, there should be increase in placements, average pay package and initiatives should be taken to have placements in core companies.

All departments must gear up for better score in NAAC and NBA accreditations.

The college must try to get ISO certification as the quality standards are already set for various accreditation purposes.

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

The academic programmes in ANITS are designed and developed in consonance with vision and mission of the institute and departments. The objective is to build the capabilities of students to face the challenges in the knowledgeand innovation driven world order today. The curriculum is designed such that the students demonstrate the essential knowledge, skills and abilities needed for professional practice so that they contribute to nation building.

The procedure adopted for designing the curriculum is very systematic and is based on the feedback and suggestions from various stakeholders such as industry, academia, alumni, faculty & students. Considering the inputs from various sources and also based on the AICTE model curriculum, it is ensured that the curriculum addresses the present day society or industrial requirements at local, regional and national/global level.

These guidelines form the foundation in designing the initial version at the departmental level basing on the feedback from the stakeholders. The curriculum is then placed for discussion by the department level BOS. The curriculum suitably revised based on suggestions by BOS is then placed for approval during the Academic Council and after incorporating suggestions by the council, if any, the curriculum is finally evolved.

File Description	Documents
Upload additional information, if any	[View File]()
Link for additional information	**Nil**

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

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	View File

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

398

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

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

11

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
Institutional data in prescribed format (Data Template)	View File

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	View File
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

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

The institute ensures that the curriculum is designed to provide holistic education to the students for developing ethical and moral values so as to groom them into responsible social citizens. While designing the curriculum sufficient emphasis is laid on Professional Ethics and Human Values, Gender equality, and Environmental sustainability.

Professional Ethics and Human values:

A course on Professional Ethics and Human Values is included in the curriculum of all the UG programmes. A number of activities comprising Human Values are conducted ranging from organizing blood donation camps, visiting old age homes, NGOs, , etc.

Gender Equality:

ANITS as a campus on the whole emphasises upon the equality of gender throughout its working environment amongst staff, students and others involved in its functioning.

Environmental Sustainability:

A course on Environmental Studies has been included for all UG programmes. The institute ignites sensitivity towards society and environment by various activities conducted by the Institutes NSS Team like zero plastic in the campus, distributing of cloth and paper bags, making of eco-friendly ganesh idols, installation of bins to collect wastage and motivating students to spread awareness of cleanliness and Swachh Bharat Mission through activities like cleaning of beach, campus cleaning etc.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	View File

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

23

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

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

3398

File Description	Documents
List of students enrolled	View File
Any additional information	View File

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

1965

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

1.4 - Feedback System

1.4.1 - Structured feedback and review of the	A. All 4 of the above

syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

File Description	Documents
Provide the URL for stakeholders' feedback report	https://anits.edu.in/stack_Feedback.php
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

1.4.2 - The feedback system of the Institution comprises the following | **A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	https://anits.edu.in/stack_Feedback.php
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

975

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

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

382

File Description	Documents
Any additional information	[View File](#)
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

ANITS practices student centric approach. Our mechanism to identify different levels of students is as follows;

Support for slow learners :

• Counselling is given tostudents by subject handling faculty, class teacher, proctor and head of the department.

• Mentor followsstudent's progress regularly, advise them to overcome the difficulties inlearning processes

• Remedial classes are conducted.

• Additional focus upon communication skillswho are weak at communication

Encouragement for Advanced Learners :

• Mentorsencouragethem to participate in project design contests and coding contests.

• Conduct GATE classes, Awareness camps to pursue higher studies abroad

• Students with innovative ideas and do projects relevant to societal issues are given financial support for their work through Institution Innovation Council (IIC) and to take up mini-projects.

• Pure Gold medals of 10gm for toppers in each branch and Cash award for top two students from each section are given every year

• Conduct hands on training in advanced programming languages and emerging technologies.

· Encouraging students to take an active role in student professional bodies/ chapters

· Giving assignments to the students on topics beyond curriculum.

Students are guided to take up additional courses viz. NPTEL courses, MOOCs.

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/12/2021	**4469**	**251**

File Description	Documents
Upload any additional information	[View File](#)

2.3 - Teaching- Learning Process

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

A plethora of student centric methodologies such as active learning, cooperative learning, project-based learning, experiential learning, experimental learning, blended learning and other ICT based learning methodologies are adopted for effective communication of the subject knowledge to the students. Students are taught with the mission that fosters a learning environment which nurtures exploration of various skills and critical thinking about the subject. This presents new opportunities for academics in strengthening the courses.

The following are the highlights of student centric methods adopted:

· Provision for individual involvement in practicals/project work/industrial visits, technical seminars.

• Conducting educational trips and surveys

• Visiting faculties drawn from industry and academic institutes of repute supplement the teaching process and provide the information to bridge the gap between industry and academia

• Provision of e-learning resources

• Internship programmes

• Conducting workshops/seminars/conferences focusing upon bridging the gap between industry and academia and latest trending technologies

Thus, ANITS strives hard and effective in the smooth but swift transformation from conventional teacher centric learning towards student centric learning campus.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional Information	https://anits.edu.in/elearn_main.php

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

Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction.

The following innovative teaching methods are adopted by the faculty:

• Computers are used for teaching purpose and internet facility is available to students and faculty.

• Faculty members are utilizing resources like NPTEL, video lectures, MOOCs, E-Journals etc. for effective teaching.

- LCDs etc. are used for teaching purposes.

- Well-structured lesson plans are prepared / revised for all theory and practical courses scrutinized by HOD and made available in the website for student's access

- Provide the platform to develop the coding skills by conducting coding competitions.

- Working Models and Charts for Demonstration has been developed to increase the understanding of students.

- An effective E-learning Platform (MOODLE) is used as a Learning Management System. Course Assignments and Quizzes are accessed through this e-learning platform.

- Conducting hands on sessions to the students on advanced programming languages and softwares.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://anits.edu.in/elearn_c.php
Upload any additional information	View File

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

2.3.3.1 - Number of mentors

239

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

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

An academic calendar provides the complete schedule of class work, mid examinations and end semester examinations for both odd and even semesters. Each semester will have minimum 90 working

days. The calendar is prepared at the institutional level under the Principal's administration in consultation with the Dean of examinations and HODs.

The academic calendar prepared at the institution level is adhered by all the departments strictly. Further individual departments prepare a detailed calendar consisting of both curricular and extracurricular activities without affecting the academic schedule. The departmental calendar also provides slots for guest lectures, industrial visits, seminars/workshops, Tech-fest etc. Each department constitutes Class Review Committee (CRC) comprising of HoD, class teacher, faculty and students.

The responsibility for preparing the teaching plans for the subjects lies with the individual faculty. The teaching plan/course plan is prepared by the individual faculty well in advance based on the academic calendar and is checked by the HOD and appropriate committee in the department. The academic plan structure is prepared to adhere the needs of Outcome Based Education and faculty provides the details in the available to the students through MOODLE platform and also maintain course files.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

251

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

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

78

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

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

7years 6 months

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

2.5 - Evaluation Process and Reforms

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

19.4

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

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

33

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	View File
Upload any additional information	No File Uploaded

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

The institute strongly believes "Assessment Drives Learning" and appropriate measures are taken to revamp the assessment system in tune to outcome based education.

Processes Integrating IT

· Examination Management System (EMS) services are available to integrate all the activities in the examination branch. The pre and post examination activities are integrated, starting with examination notification.

· Payment gateway is also available for the payment of various fees online by the students to make the registrations online for various services.

· The EMS is enabling the student to see results online.

· Complete automation of examination process helps in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, seating arrangement, attendance monitoring, coding and decoding of scripts, marks data entry, preparation and analysis of programme wise results.

Continuous internal assessment system

· The Continuous Internal Evaluation (CIE) marks / internal marks for all courses per semester are made available to students to ensure transparency.

· Two mid semester exams, two assignment tests and quizzes are conducted for each paper of the subject in each semester.

• **The results are placed in college website.**

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://autonomous.anits.edu.in/

2.6 - Student Performance and Learning Outcomes

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

The learner centric Outcome Based Education (OBE) is being implemented in the institute. Each programme defines Programme Educational Objectives (PEOs) which are broad statements that describe the professional and career accomplishments that the programme is preparing its graduates to accomplish and they are consistent with the mission of the department. Programme Outcomes (POs) transform PEOs into specific student performance and behaviour that demonstrate student learning and skill development which are in line to the graduate attributes of NBA. Programme Specific Outcomes (PSOs) are defined to deal with the requirements of the particular to the related sub-discipline based on the strengths of the departments.

The programme outcomes are disseminated to all the stakeholders through various channels such as:

- **The department specifics available in college website**

- **Display boards in the departments.**

- **Published in the prospectus and academic regulations / syllabus book**

- **During various interactions such as**

- **The induction programme**

- **Faculty meetings**

- **Parents meeting**

- **Professional body meetings**

The dissemination of COs is generally done through:

- **Displaying them in the classrooms and laboratories.**

- **The department specific syllabus in the website.**

- **Introductory sessions during the commencement of courses**

- **In the learning management systems such as MOODLE platform**

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	**No File Uploaded**
Link for additional Information	**Nil**

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The curriculum is developed by each department taking all the POs into consideration and ensuring that the curriculum strongly maps to all the POs.

Assessment of CO attainment: Assessment tools used for computing CO attainment are: The Direct Assessment Tools given by performance in Continuous Internal Evaluation and Semester End Examination and the Indirect Assessment Tool given by the Course End Survey.

ASSESSMENT OF PO/PSO - ATTAINMENT:

The PO & PSOs attainment percentages are calculated based on the following tools.

Direct Tools:The CO attainment values of all courses in the programme i.e. theory, practicals and projects are used to determine the attainment of all POs. based on the CO-PO / PSO mapping matrix. The CO-PO / PSO mapping matrix on a 3 point scale for a particular subject.

Indirect Tools:The indirect tools consist of exit feedback, recruiters feedback, alumni feedback, attainment curricular and extracurricular activities. They are mapped to different outcomes of POs and PSOs on a three point scale which are appropriate for a specific tool.The attainment values are obtained as the weighted average of the values obtained through both direct and indirect tools.

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

2.6.3 - Pass Percentage of students

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

1165

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	[View File]()
Upload any additional information	[View File]()
Paste link for the annual report	https://autonomous.anits.edu.in/annualreport/2020-21/4-2.pdf

2.7 - Student Satisfaction Survey

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

https://www.anits.edu.in/naac/Student%20Satisfactory%20survey%20(2020-2021).pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

In addition to teaching ANITS acknowledges research, consultancy, patents and innovations as major thrust areas. The increase in the number of research publications, FDPs organized by the institute and participation in FDPs/STTPs/Conferences by the faculty during the last five years is a representation of ANITS in its commitment towards research. To promote research ecosystem, the institute arranges guest lectures by prominent researchers and signed MOUs with renowned organizations. The labs are modernized through the MODROBS scheme and financial assistance from industries.

The R&D committee consisting of faculty coordinators from various departments of the institute meets quarterly to discuss the progress of research activities of faculty and students. To promote interdisciplinary research the faculty from other departments are also invited for research talks.

The management of ANITS encourages the faculty and students in carrying out active research by providing support such as:

• Study leave with salary for the faculty pursuing PhD under QIP

• Financial assistance to attend conferences and workshops in India and abroad

• Cash incentive for publishingquality papers in International Journals.

• Providing necessary infrastructure and technical support

• Supporting measures for patent filing

• Continuous augmentation of labs with state of art equipment and software

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://www.anits.edu.in/naac/ANITS%20RD%20policy.pdf
Any additional information	View File

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

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

0

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

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

39

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

3.2 - Resource Mobilization for Research

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

4

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

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	https://anits.edu.in/rd.php
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

23

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

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

2

File Description	Documents
Supporting document from Funding Agencies	[View File](#)
Paste link to funding agencies' website	**Nil**
Any additional information	[View File](#)

3.3 - Innovation Ecosystem

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

ANITS has established "Institution's Innovation Council (IIC)" as per the guidelines of MHRD Innovation cell, to develop the ecosystem required for entrepreneurship and Incubation.

Institution's Innovation Council at ANITS is a unique model based on to promote innovation and incubation of ideas among student and faculty fraternity. IIC helps to build the entrepreneurship ecosystem in the institute and it would be a platform to bring the budding technical ideas of young upcoming engineering graduates into reality. IIC is conducting various activities like interactive sessions of renowned entrepreneurs with students, being a facilitator in filing patents of novel ideas of the institute fraternity.

ANITS IIC meets regularly once in a quarter to finalize the activities basing on a calendar of events. ANITS IIC received funding for conducting MHRD Impact Lecture Series to encourage students to start their start-ups. ANITS has signed MOU with National Research Development Corporation (NRDC) India, to help students and faculty to apply and protect IPRs and convert their ideas to starts up.

Apart from this, engineering departments hosts activities like Conferences, expert talks, training on start-ups, entrepreneurship boot camps, etc which enables the students to create and transfer the knowledge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://iic.anits.edu.in/

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

26

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

3.4 - Research Publications and Awards

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

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

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

3.4.2.1 - Number of PhD students registered during the year

31

File Description	Documents
URL to the research page on HEI website	https://anits.edu.in/rd.php
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	View File

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

126

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

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

44

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.anits.edu.in/rd.php

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

3.4.5.1 - Total number of Citations in Scopus during the year

697

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

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

3.4.6.1 - h-index of Scopus during the year

12

File Description	Documents
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<u>View File</u>
Any additional information	**No File Uploaded**

3.5 - Consultancy

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

3

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<u>View File</u>
List of consultants and revenue generated by them	<u>View File</u>
Any additional information	<u>View File</u>

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

1,71,128.00

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

3.6 - Extension Activities

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

With an aim to instill the idea of social welfare in students and to provide service to society without bias, the institute organizes various activities under NSS and other student clubs.

Societal concern activities:

Under this, the NSS volunteers have conducted various activities such as rallies against usage of plastic, eco-ganesha programmes, save water / road safety rallies & presentations, and surveys in the neighborhood villages on perpetual problems. The NSS unit which has adopted 5 villages, concentrates on the welfare of the neighbourhood community and sensitizes their social problems and takes necessary steps for the betterment of the society.

Green and cleanliness activities:

Various activities taking inspiration from Swatch Bharat initiative, paper presentations and seminar on Vanam & manam were organized by the NSS students.

Life saving activities:

Blood donation is truly an altruistic gift that an individual can give to others in need. The NSS team in association with Lions club, NRI blood bank has organized many camps.

During Covid-19 lock-down period, in the month of April 2020 essential commodities were distributed to 4000 families in the 7 nearby villages.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://anits.edu.in/nss_main.php

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

52

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

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

18

File Description	Documents
Reports of the events organized	[View File](#)
Any additional information	[View File](#)

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

2803

File Description	Documents
Reports of the events	[View File](#)
Any additional information	[View File](#)

3.7 - Collaboration

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

221

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

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

11

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institute has the infrastructure facilities fulfilling the norms stated by statutory bodies such as AICTE, UGC etc. The institute, which is spread over an area of about 10.5 acres a built-up area of over 4.2 lakhs sq.ft, has a very conducive atmosphere and adequate facilities for effective teaching and learning.

There are 85 spacious class rooms & seminar halls, 4 drawing halls and each class room is equipped with black/green board, writing desks, fans and LED and are ICT enabled. The departments have adequate LCD projectors for effective teaching and learning process. The departments have established state-of-the-art

laboratories to cater to the needs of UG and PG curriculum. There is one central auditorium, five well equipped spacious seminar halls to conduct seminars, expert lectures.

There are about 1000 computers with varied specifications. Available bandwidth of internet connection in the Institution (leased line) is 100 Mbps. The Campus-Wide Networking facility connects all the departments, hostel and office.

The central library has a floor area of more than 12000sq. ft. The Library is well equipped with modern facilities and resources. The library operations have been computerized using LIBSYS software package. In addition to central library, every department has its own departmental library.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://anits.edu.in/infrastructure.php

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

The institute believes that quality physical education programs are needed to enhance not only the physical and health fitness but also helps the good mental health and helps camaraderie among the students. Physical education department caters to almost 20 disciplines of sports and physical education for both men and women. It has good infrastructure for indoor sports and provides excellent facilities in terms of equipment.

College provide facilities for out-door gamessuch as Basketball, Volleyball, Handball, Netball, Ball-Badminton, Kho-Kho, Kabaddi, Throw ball courts and Cricket ground.Facilities for In-door gamesinclude Table tennis, Chess, Weight lifting, Power lifting, Carroms, Fitness Center and Yoga. Majority of students take part in the said sports activities and won many prizes in University and national level games. Gymnasium facility is available not only in college but also in ladies and boys hostels separately.

The Yoga and meditation classes are conducted in association with Sri Pathanjali Yoga Kendra and mass yoga programs are organized at regular intervals.

The institute has adequate facilities for all cultural activities. The students clubs play vital role in organizing the regular activities in dance, music and drama. The cultural fests during college day celebrations and departmental tech-fests are organized by the clubs.

File Description	Documents
Geotagged pictures	[View File](#)
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://www.anits.edu.in/sportsinfrastructure.php

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

85

File Description	Documents
Upload any additional information	[View File](#)
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	[View File](#)

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

106.61

File Description	Documents
Upload audited utilization statements	[View File](#)
Details of Expenditure, excluding salary, during the years	[View File](#)
Any additional information	[View File](#)

4.2 - Library as a Learning Resource

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

The ANITS Central Library was established in the year 2001 and

has a floor area of 12000sq. ft. Library operations have been computerized using Library automation software, LIBSYS4 since 2007. The software aids to perform day-to-day library activities such as housekeeping and information retrieval through human interventions.

This library automation softwarealso helps in for user search (OPAC) for books, documents, journals and CDs or DVDs. Search can be filtered on the basis of: Title, Author, Subject, Publisher, Word title of book, Search in combination. In addition to the central library, every department has its own departmental library.

The Library has digital services consisting of 40 computers with 100 Mbps dedicated network providing seamless availability of E-journals to all the Student and Staff. This full-fledged Digital Library is equipped with necessary modern equipment in order to provide various digital mode library services and NPTEL video lectures facility.

Library & Information Centre provides uncompromising information and intellectual requirements to its students and faculty with an user-friendly approach. It offers a fully integrated and dynamic environment for the academic related activities.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	http://library.anits.edu.in/

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	[View File](#)
Upload any additional information	No File Uploaded

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

13,13,429.00

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

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

587

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

4.3 - IT Infrastructure

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

The IT Policy of the Institution provides guidelines for the protection and use of information technology assets and resources within the institution to ensure integrity, confidentiality and availability of data. The computer development and maintenance cell (CDM) and the website committee constituted in the college ensure IT policy implementation. The IT policy enforces and ensures information & network security standards to prevent any misuse from its own users and outsiders.

The institute has adequate IT infrastructure to meet the curricular needs and is upgraded regularly as per details given below.

1. Systems: The institute has 974 systems in various labs exclusively to meet the curricular requirements. More than 100 systems are available for administrative, examination section and

other academic needs.

2. Networking and Internet: All systems in the campus are networked. Since 2015 networking standard used has been 'cat6 cabling'. All the hubs have been upgraded to 1 Gbps and rack mounted. The current internet connectivity is 100Mbps with 1:1 connection ratio.

3. WiFi: The whole campus is WiFi connected.

4. Software: The institute has all requisite softwares as per the curriculum and from time to time they are upgraded.

5. Information Technology Security: CYBEROAM software is used for network security.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	https://anits.edu.in/IT_Policy_ANITS.pdf

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
4472	974

File Description	Documents
Upload any additional information	[View File](#)

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

A. ?50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	[View File](#)
Upload any additional information	[View File](#)

4.3.4 - Institution has facilities for e-content development: Facilities

A. All four of the above

available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing	

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://www.anits.edu.in/econdev.php
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

74.1

File Description	Documents
Audited statements of accounts	View File
Upload any additional information	View File

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

General maintenance of physical facilities such as buildings and other utility services:

The central maintenance department looks after the maintenance of buildings, cleanliness of campus, various utilities such as water, plumbing, electrical, carpentry and other related issues. Maintenance department perform routine checks and preventive maintenance as scheduled. Annual stock verification is scheduled every year at the end of the academic year across all departments. The stock verification team verifies the equipment physically and submit a report about their status.

Maintenance of computer systems, networking, and internet facilities:

A CDM cell is constituted in the institute to look after all the issues related to maintenance of computers, networking and

internet facility. Basing on the complaint raised by each department the technical personnel will resolve the issue.

Library Services:

The library has various procedures for using the library services such as Admission to Library, Working Hours of the Library circulation Issue System, Overdue Charges, Book Lost, Book Bank for SC/ST students, internet accessibility and journals accessibility.

Laboratories:

The laboratory faculty in charges and technicians of the lab ensure regular maintenance and the equipment are in good working condition such that the regular academic processes run smoothly. Calibration of equipment is done periodically.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

2132

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	[View File](#)
Upload any additional information	[View File](#)

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

828

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology	A. All of the above

File Description	Documents
Link to Institutional website	https://www.anits.edu.in/student_development.php
Details of capability development and schemes	View File
Any additional information	View File

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

2335

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

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

grievances Timely redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	View File
Upload any additional information	View File

5.2 - Student Progression

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

630

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

23

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

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

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

64

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

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

4

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File

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

The Institute creates a platform for the active participation of the students in the various academic and administrative bodies including other activities. This empowers the students in gaining leadership qualities, in following rules, regulations and execution of skills. Students actively participate and organize various activities related to academics, co- curricular and Extra-curricular activities, with the guidance of faculty.

Students as members of various committees involve in the decision making process and bring more dynamism into the system. Various committees /activities through which students play a crucial role in the development of the institute are:

Library committee

Sports committee

Hostel mess committee

IQAC

Placements committee

Editorial board

Grievance redressal committee

Department Tech fests / college day committees

Class Review Committee (CRC)

Professional bodies

Humanitarian and Social awareness bodies

Clubs

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

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

16

File Description	Documents
Report of the event	[View File](#)
List of sports and cultural events / competitions organised per year	[View File](#)
Upload any additional information	**No File Uploaded**

5.4 - Alumni Engagement

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

The Alumni are of great strength to the institution. An active alumni association can contribute in academic matters, student support as well as mobilization of resources – both financial and non-financial.

ANITS Alumni Association (AAA) is a registered body (Regd. No:1789 /2006) various members to engage, execute and enhance various activities of the association. Alumni are connected to

the alma mater, faculty and students through web and other social
media. The association provides a focal point of contact to
interact and network with each other as well as with the alma
mater. Alumni meet is organized at regular intervals.

Alumni as members of BOS in all departments provide feedback for
curriculum improvement to meet the demands of industry. They also
contribute as mentors during the campus recruitment drives and
organize mock-interviews and help the students in placements and
career guidance.

.Financial Contributions:

Mr A Rohit, alumnus of Mechanical dept has provided financial
support to 2 needy students of Mechanical dept by paying tuition
fees. The support given is to a tune of Rs 40,000/- to S
Gangadhar in the year 2018 and RS 35,000/- to N Bahnu Prasad in
2020.

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://alumni.anits.edu.in/

5.4.2 - Alumni's financial contribution during the year | C. 5 Lakhs - 10 Lakhs

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The spirit of the Institute, core ideology and performance are
reflected in its vision, mission and quality policy statements.

Good governance and participative decision making process is
adopted to achieve the vision, mission and the goals of the
institution and also in building effective organizational
culture.

The Board of Governors is the apex body constituted based on statutory provisions to oversee the academic growth and development of the institute. Principal as head of the institute is supported by HODs, assistant principals, administrative officer and chair persons of various institute level committees to ensure seamless management happens systematically and encourages participative leadership by involving various stakeholders at various appropriate levels of decision-making.

Various committees such as Governing Body, Academic Council, Board of Studies, Finance committee etc., are constituted as per UGC guidelines. Other academic/administrative committees such as research and development committee, internal quality assessment cell, examinations committee, staff development council are headed by senior faculty members and thus involved in all important decisions as part of governing and executing the plans of the institution. .

The faculty members are nominated in various committees for decision making and managing various functions of the institute both at institute and department level.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.anits.edu.in/governing.php

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The institution has decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions.

The constitution of statutory committees like Governing Body , Academic Council, Finance Committee, Board of Studies are systematically carried out with specified functions and responsibilities as per the requirements to the regulatory/statutory bodies. These committees play a major role in policy making of governance, academics, finance, research and teaching learning.

The Principal ensures the smooth functioning of the institution with the support of Head of the Departments, Assistant Principals, Administrative Officer and various committees.

The regular meetings organized in the college such as HODs meeting at institute level, faculty meetings at department level, the discussions happen therein and feedback of different stakeholders & appropriate action on various suggestions are indicative of the participative management.

This shows that the institution has decentralization of administration through committees and has participative management. A democratic approach is setup in the decision-making process, by which all stakeholders of the institution could participate in the managerial decisions.

File Description	Documents
Upload strategic plan and deployment documents on the website	[View File](#)
Upload any additional information	[View File](#)
Paste link for additional Information	https://www.anits.edu.in/organizationchart.php

6.2 - Strategy Development and Deployment

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

The strategic plan is developed keeping in mind the vision, mission and objectives of the institution. The process of preparing the strategic plan is based on the inputs from various stakeholders, developed through focussed group discussions both at institutional and department level. The latest institute strategy document has a plan for the nine identified goals for five years (2019-2024), action items and metrics are developed with an aim at achieving excellence through optimum utilization of resources. The new strategic plan is prepared based on global needs, present day societal issues and also based on SWOT analysis of the institute.

The present strategic plan focuses on broadening the educational areas, enhancing the teaching-learning experience and makes the faculty and students as life-long learners, strengthening human

resources and R & D activities, enhanced engagement with industry and society, innovation and incubation eco-system and alumni engagement.

The institute reviews the progress of implementation of Strategic Plan and take necessary action to achieve the broad based goals.

File Description	Documents
Strategic Plan and deployment documents on the website	[View File](#)
Paste link for additional information	https://www.anits.edu.in/iqac.php
Upload any additional information	[View File](#)

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

The institution has decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions.

The Principal ensures the smooth functioning of the institution with the support of Head of the Departments, Assistant Principals, Administrative Officer and various committees. There are non-statutory committees working hand in hand in identifying possibilities, planning, organizing, implementing and monitoring all the activities of the institution.

All Stakeholders of the institution have participative roles in various decision-making committees. The HoDs take decisions related to the departments independently in cognizance with the views of the stakeholders. The college makes sure that every faculty is involved in at least 2 or 3 committees of the college. Representation from the student community in decision making bodies is also ensured.

This shows that the institution has decentralization of administration through committees and has participative management. Effective & decentralized leadership and participative decision making processes are adopted to achieve the goals of the institution and also in building good organizational culture.

File Description	Documents
Paste link to Organogram on the institution webpage	https://anits.edu.in/organizationchart.php
Upload any additional information	View File
Paste link for additional Information	https://anits.edu.in/anits_service_rules.php

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

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
Details of implementation of e-governance in areas of operation	View File
Any additional information	**No File Uploaded**

6.3 - Faculty Empowerment Strategies

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

The institute strongly believes that human resources the most important factor for the growth of institute in right direction and in accomplishing its mission. Some of the measures taken up in the institute for the welfare of staff are:

Wage and Salary Administration:

Providing compensation in a reasonable equitable manner, Systematic self-appraisal system for increments and other benefits.

Employee Benefits:

Availability of EPF for all staff and ESI benefit for non-teaching staff

Health and hospitalisation benefits:

The institute supports a contributory and voluntary Group Medical Insurance for teaching and non-teaching staff members for ease in accessibility to comprehensive health services. Free medical check-ups and discount on hospitalization charges are made available to all staff in the super speciality hospital owned by the same society.

Leave and Holidays

Career and professional development

Recognition for the academic and research excellence:

Honouring and celebrating the contribution and successes of each and every faculty and staff member of the college and providing Best Teacher Awards every year during the annual day celebrations.

Recreation:

Many recreation facilities like indoor sport and gym facilities are provided to staff. The outdoor and indoor events are conducted every year under Samanvay at the institute premises.

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

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

121

File Description	Documents
Upload any additional information	[View File](#)
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	[View File](#)

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

27

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

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

151

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institute has a mechanism for audit to ensure financial compliance. The institutional accounts are regularly audited. The observation of the auditors if any are immediately corrected / rectified.

The financial audit is a regular process and a team of finance experts do a thorough check and verification of all payments, receipts & journals vouchers of the transactions cash books, ledger account reviews that are carried out in each financial year on an accrual basis system. The auditors appointed by the college perform audits of the financial statements of the college. The financial records are audited by qualified chartered accountants after the end of each fiscal year is certified income & expenditures, balance sheet and prepared notes to accounts are

certified.

The Institution has well defined mechanism to monitor effective and efficient use of available resources. Audited financial statements made available in the public domain by displaying them in the institute website and are sent to the statutory and regulatory bodies whenever necessary.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://anits.edu.in/auditstatements.php

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

0

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

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

Sources of income:

The major source of income to the college is the annual fees collected from students. The fees are fixed by the government of Andhra Pradesh based on recommendations of AP fees regulating authority.

Funds received from organizations such as UGC, AICTE, DST, ISTE etc are used to conduct research, organizing seminars and conferences, modernisation of labs and travel grants.

Optimum utilization of resources:

Each department prepare the proposals under four different heads of account carefully considering the previous year's expenses,

developmental activities foreseen for the next academic year. The yearly budget is divided into 4 quarterly requirements for effective utilization of funds. For major equipment the departments ascertain from the suppliers the tentative costs so that there will be clear assessment of expenses and thus the utilization of funds is done optimally. After assessing the projected income and expense for an academic year, the governing body approves the budget to each department. After the allocation, the departments can avail the financial resources for various activities and as it is well planned, the expenses are within the sanctioned amount. Budget utilization is reviewed at regular intervals by the concerned BoG members to ensure the funds are utilizes optimally.

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional Information	https://anits.edu.in/rd_projects.php

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The IQAC of the institute believes in Kaizen and various initiatives taken up under the aegis of IQAC were institutionalized. It extends support to all the academic activities and recommends student centric approach in various processes.

Two practices of IQAC that were established in the institute as regular activities contributing to the development are:

  1. Academic Audit of the departments:

The internal audit which is organized every year provides an opportunity to all the departments to understand their performance in all activities, improvements shown and to identify specific areas to be focused upon. The internal audit is organized for 7 parameters and they are Teaching Learning processes, student performance, faculty contributions, co-curricular activities, student support systems, continuous

improvements and best practices in the departments. The departments also organize external audit on 9 parameters with focus on CO-PO attainment and other TL processes by external members.

2. Academic Research.

Various measures were taken by the institute under IQAC for enhancing the research related activities. The activities include motivation, sponsoring for faculty development programmes and sponsoring for QIPs for regular Ph.D and support for Ph.D activities by means of financial terms / leaves etc., has ensured a visible increase in various outcomes.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	https://anits.edu.in/iqac.php

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

The IQAC has significantly contributed towards improving academic environment, teaching and learning processes, curriculum development & evaluation methods and overall research environment in the institution.

The institute has several measures for quality check and quality enhancement such as : course plans, course files by the faculty for each subject, class work review committees, different feedbacks from students / alumni, remedial classes for slow learners, beyond curriculum topics and usage of MOODLE & other ICT tools for enhanced learning of the students. Organizing various guest lectures, seminars, facilitation to lifelong learning through NPTEL / MOOCS courses & other e-resources, activities through student technical chapters, tech-fests etc., are regular features in the institute. The activities and development in departments are reflected in a format called departmental performance index and are reviewed through internal audit by IQAC cell.

Two practices in teaching learning practices facilitated and contributed with a significant impact on teaching learning processes are:

1. E-learning platform:

The institute uses MOODLE as a learning management platform to benefit the students for enhanced learning.

2. Skill development and Training

File Description	Documents
Upload any additional information	[View File]()
Paste link for additional information	https://anits.edu.in/iqac.php

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)	**A. Any 4 or all of the above**

File Description	Documents
Paste the web link of annual reports of the Institution	https://anits.edu.in/iqac.php
Upload e-copies of accreditations and certification	[View File]()
Upload details of quality assurance initiatives of the institution	[View File]()
Upload any additional information	**No File Uploaded**

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

ANITS always believes that empowerment of women is the most important aspect development and well being of the society, nation and the human race. The institute has 34% of women faculty on rolls and 31% of girls in students. The institute has women in

leadership roles with 45% of HODs are women who play important role in the decision making of the institute. The college takes up different measures for the safety, development and welfare ofwomen. Some of the measures are:

• The women grievance redressal committee of the institute address the grievances related to gender safety and security if any.

• The Institution surveillance is managed through CC cameras with a centralized control room forsafety and security ofstudents.

• Separate hostel facility is provided for girl and boy students with biometric attendance and round the clock security. Adequate security personal is deployed in the campus round the clock.

• Seats are reserved in the common transport for girls and the women faculty.

• Complaint/suggestion boxes have been fixed in all departments and hostels in the campus.

• Ladies Waiting rooms are available for students and faculty to rest in case of any illness in all departments.

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment	A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	[View File](#)
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

Solid waste management:

Institution has MoU with M/s Ganapathi scraps for waste management.

• The dry solid waste is put by the respective departments in a collection pit located within the campus. This dry solid waste is collected every day in the morning and campus is kept clean. Twin-Bin system is being used in the Institute to segregate recyclable and biodegradable waste.

• Chemical and hazardous waste from laboratories if any are disposed as per norms.

• The campus is Wi-Fi enabled andall communication is made online minimizing paper usage.

• Organic waste is composted and used for manure.

• Sewage Treatment Plant (STP) of 200 KL/day capacity is in use. The treated water is used for flushing and gardening purpose.

• Liquid chemicals from Labs are disposed as per safety norms.

• All Computers, batteries and electronic machinery is purchased under Buy-Back agreement.

• All computer systems are havingLCD monitors.

• The lighting in the Academic, Administrative and Hostel areas is through LED bulbs.

• Students take initiative in providing bins across the campus to collectE-waste. The collected material is disposed for recycling through authorized vendors.

• A solar plant of 450.KWp is installed on the roof tops of all blocks and is connected to Grid.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	**No File Uploaded**
Geotagged photographs of the facilities	<u>View File</u>
Any other relevant information	**No File Uploaded**

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus — **A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	<u>View File</u>
Any other relevant information	**No File Uploaded**

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	<u>View File</u>
Various policy documents / decisions circulated for implementation	<u>View File</u>
Any other relevant documents	**No File Uploaded**

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	A. Any 4 or all of the above

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

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

File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	View File
Details of the software procured for providing assistance	View File
Any other relevant information	No File Uploaded

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

The institute believes in inclusive education where all students, regardless of any challenges they may have, receive high-quality instruction, interventions, and support that enable them to meet success in the core curriculum. Hence an environment is built in the Institute so as to create

• A supportive, respectful environment promote diversity and fairness in the entire campus.

• To have high expectations of all students as research shows that students respond better when they feel that their teacher has faith in their abilities and is not focusing on their inabilities.

• A supportive peer culture both inside and outside the classroom by empowering them to respecteach other, making empathy and caring 'fashionable' and reinforcing positive and pro-social attitudes by encouraging learners to help each other.

• Outcome based learning ensures holistic development of students with involvement of stakeholders and thus brings in societal issues to be addressed in curriculum.

• Providing 'community' approach or group tasks for learning and teaching.

Atfaculty / staff level, the institute believes in creating an inclusive environment where people of all cultural / social orientations can freely express their opinions. They must feel safe from abuse, harassment or unfair criticism.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View File](#)

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

The Institute has striving forward with great effort to increase the level of awareness and appropriate practices amongst the students with regard to the following areas:

• National Identities and Symbols:

The Institute has always taken various steps which promote the awareness about various National Identities and Symbols. Important days of national significance are celebrated with great pomp and vigour.

• Co-curricular and extra-curricular activities:

The students have enthusiastically participated in various programs like: Academic programs like Seminar, Conferences, Expert talks, etc which have enriched the awareness about this aspects. The students oraginize mock parliament to create awareness in informal manner.

• Knowledge on Constitutional Obligations:

The Institute organizes various student centric activities through club in which the topics related to constitutional and societal issues are regularly given. There will be good participation from students and thus it promotes awareness about various aspects of Indian citizenship.

• NSS programmes and other social service activities:

The NSS unit of the Institute organize various events such as Swatch Bharat, awareness camps on traffic rules, COVID etc.,distributingessential commodities to needy people, adopting villages etc., All these make them understand their duties and responsibilities and make them good citizens of the country.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

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

A. All of the above

File Description	Documents
Code of Ethics - policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	View File

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

The institute organizes various national and international commemorative days, events and festivals every year signifying the importance of such days through different activities: Some of them are mentioned below.

- National Youth Day- 12 January -The birthday of Swami Vivekananda
- Republic day- 26thJanuary:

- Science Day- 28thFebruary

- **International Women's Day -8th March**

- **International Day of Yoga – 21st June**

- **Independence Day- 15th August**

- **Teachers Day-5thSeptember**

- **Engineers Day15thSeptember- Sir Mokshagundam Visvesvaraya Birth Anniversary**

- **World Students' Day15th October - APJ Abul Kalam Birth Anniversary:**

- **National Education Day- Sri MaulanaAbulKalam Azad Birth Anniversary –11th November**

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	[View File](#)
Geotagged photographs of some of the events	[View File](#)
Any other relevant information	[View File](#)

7.2 - Best Practices

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

GOOD PRACTICES:

Format of Presentation Institutions may have many good practices that add value to the quality of education they offer. For presentation of each of those practices the following format may be used. Care may be taken to avoid general descriptions and focus may be on concrete practice.

Title of the practice:

Using Rubrics as a tool in the assessment processes to implement outcome base education system in the institute in true spirit.

The context that required the initiation of the practice (100 – 120 words):

In the 21st century, professional skills (also known as soft skills, generic skills or transferable skills) have emerged as important attributes of a graduate engineer. Studies show that Industry / employers around the world value these abilities(non-domain skills) on par with the disciplinary knowledge (domain skills). The assessment of these global competencies is an important aspect in outcome based education.

File Description	Documents
Best practices in the Institutional website	https://anits.edu.in/i2.php
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

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

It is planned to start new M Tech Programmes in Food Technology and VSLI & embedded systems from the academic year 2021-22.

It is planned to enhance the internet connectivity to 1000 Mbps from the existing 100 Mbps.

It is planned to have recruitment drive in 2021-22.

It is planned to provide at least 8-10 lakhs as seed money to faculty for enhancing research culture in the college.

More number courses under open electives / internships as in the R-19 and R-20 regulations to be offered under the MoU with Infosys, Wipro etc..

After getting a 4 star rating from MHRD for various activities under IIC, the same tempo must be continued in the coming academic year also to nourish innovation and incubation eco system in place.

New labs for the newly started UG courses are to be completed in the new I block.

In the upcoming year, there should be increase in placements, average pay package and initiatives should be taken to have placements in core companies.

All departments must gear up for better score in NAAC and NBA accreditations.

The college must try to get ISO certification as the quality standards are already set for various accreditation purposes.

File Description	Documents
Appropriate link in the institutional website	https://anits.edu.in/i2.php
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

It is planned to start new M Tech Programmes in Food Technology and VSLI & embedded systems from the academic year 2021-22.

It is planned to enhance the internet connectivity to 1000 Mbps from the existing 100 Mbps.

It is planned to have facultyrecruitment drive in 2021-22.

It is planned to provide at least 8-10 lakhs as seed money to faculty for enhancing research culture in the college.

More number courses under open electives / internships as in the R-19 and R-20 regulations to be offered under the MoU with Infosys, Wipro etc..

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accreditations.

The college must try to get ISO certification as the quality standards are already set for various accreditation purposes.