Yearly Status Report - 2018-2019

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	**T.V.Hanumantha Rao**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08933-225084**
Mobile no.	**9441011735**
Registered Email	**principal@anits.edu.in**
Alternate Email	**proftvhrao@anits.edu.in**
Address	**Anil Neerukonda Institute of Technology & Sciences (ANITS) Sangivalasa, Bheemunipatnam (MD), Visakhapatnam, Andhra Pradesh, Pin: 531162**
City/Town	**VISAKHAPATNAM**
State/UT	**Andhra Pradesh**

Pincode	531162

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	29-Apr-2015
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Prof. R. Srikanth
Phone no/Alternate Phone no.	08933225084
Mobile no.	9848472072
Registered Email	principal@anits.edu.in
Alternate Email	srikanth.che@anits.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	www.anits.edu.in/naac

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.anits.edu.in/naac

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.01	2014	09-Dec-2014	31-Dec-2020

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	22-Jan-2014

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Awareness on Outcome Based Education	12-Oct-2018 7	267
View File		

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	2
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

1.Implementation of RUBRICS in laboratory and project evaluation by the faculty more rigorously.

View File

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

Plan of Action	Achivements/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
View File	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Board of Governors	31-Aug-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	02-Aug-2019

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	21-Jan-2019

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The institution has Management Information System for benefit of students, faculty and smooth functioning of administrative activities in the institute in various critical areas. ? Student Attendance (Ez School) ? Fee payment ? Examination Section ? Library ? MOODLE (elearning resource) Student Attendance (Ez School): The student attendance is monitored through Ezschool software. The faculty upload attendance in EZ school every day in addition to registering attendance in register. The coordinator monitors the attendance of students through department coordinators. If a student is absent on a day, the SMS will be sent to the parents regarding the student absent to the class. The class teacher monitors the class attendance on a monthly basis and the list of students having less attendance is submitted to the HOD and the information is sent to the concerned parent.The usage of the data captured through this software helps in guiding the students in right direction. Examination Section: The examination section has a robust software which reads OMR sheets,

generates report of examination fee details, elective sub allotment details, awarding grades to students, examinations seating plan, and result processing. This aid in transparency of functioning of the examination section and easy access to the students for information regarding examinations and issue of hall tickets and marks memo. Accounting Fee Payment system: The fees payment by students such as the college fees, hostel fees, bus fees and salaries to staff are automated. Almost all payments are through online sticking to the norms of the government. Recently a new and modern corporate office was built to bring all functions under one roof to enhance the quality and efficiency. Library : Our library operations have been computerized using LIBSYS software package.Library Information Centre provides uncompromising information and intellectual requirements to its students and faculty with an userfriendly approach. It offers a fully integrated and dynamic environment for conducting academic study. MOODLE (elearning resource): The faculty will upload the syllabus, course plan, lesson plan, course material, conduct quizzes in elearning resource software. The students of the institution have the exclusive authority to access the content provided by the concerned faculty. The faculty have provision to conduct online quizzes and assignments for continuous engagement of students. The faculty can also assess the population size of students participating in the quizzes and assignments.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
[View File](#)			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with	Programme	Date of Introduction	Course with Code	Date of Introduction

Code	Specialization		
No Data Entered/Not Applicable !!!			
[View File](#)			

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
[View File](#)		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Electronics and Communication Engineering	18/06/2018
BTech	Electrical and Electronics Engineering	18/06/2018
BTech	Computer Science and Engineering	18/06/2018
BTech	Mechanical Engineering	18/06/2018
BTech	Chemical Engineering	18/06/2018
BTech	Information Technology	18/06/2018
BTech	Civil Engineering	18/06/2018
Mtech	Machine Design	18/06/2018
Mtech	Control Systems	18/06/2018
Mtech	Communication Systems	18/06/2018
Mtech	Computer Science Engineering	18/06/2018
Mtech	Soil Mechanics	18/06/2018
Mtech	Biotechnology	18/06/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Mechanical eYantra robotics LAB	11/10/2018	35
[View File](#)		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	CIVIL	66
BTech	EEE	201
BTech	ECE	205
BTech	CSE	207

BTech	IT	115
BTech	MECHANICAL	266
BTech	CHEMICAL	51
BTech	CIVIL	66

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The institute has a well structured feedback system from various stakeholders at the department level and at the institute level. This includes feedback from students, faculty, employers, alumni, parents etc... ? The student feedback on faculty is taken anonymously twice in a semester which gives an assessment of various parameters related to class room learning. The student feedback on faculty is assessed by HOD who gives suggestions to the faculty on specific parameters to improve. ? In the Class Review Committee (CRC) meetings, the feedback is taken from selected students to identify any gaps in syllabus coverage, issues related to teaching and learning etc. and necessary steps will be taken by HoD to rectify such issues. ? Exit feedback is taken from the outgoing students of final year on various aspects such as facilities, curricular aspects etc., and the departments will scrutinize the feedbacks and necessary measures are taken accordingly. ? The feedback from the Alumni is taken at regular interval to identify the curriculum gaps basing on their experience on latest technological advances and needs of the industry. ? The feedback from the recruiters / employers is taken at regular intervals on student performance on technical and interpersonal skills. This will help the respective departments to understand the needs and revive the syllabus contents, improvise the training programmes. ? Feedback from students and faculty on library resources and services is taken once in a year and necessary action is taken based on the suggestions. ? Parents feedback is also collected by the departments to improve the facilities. ? At central level, survey is conducted on facilities and experience in the campus from the students and faculty. This is administered online once in a year and also through suggestion boxes. The data is analyzed and appropriate action is taken on relevant issues. ? The feedback from various stakeholders such as exit, employers, recruiter and alumni, is used to measure the attainment of program outcomes and the departments will take necessary measures to enhance the attainment of those outcomes and thus the graduate attributes.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled

BTech	Chemical Engineering	60	50	38
BTech	Civil Engineering	60	70	45
BTech	Mechanical Engineering	240	220	207
BTech	Information Technology	180	200	165
BTech	Computer Science & Engineering	180	250	180
BTech	Electrical & Electronics Engineering	180	139	139
BTech	Electronics & Communication Engineering	180	180	180

[View File](#)

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	954	15	270	15	15

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
270	270	4	72	Nill	4

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

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

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

ANITS strongly believe in mentoring engineering students which helps a student realize his or her professional goals and aspirations which are lifelong. In ANITS students are being mentored to improve their performance in academics and nonacademic activities for overall personality development of the individual. ? About 15 students will be allotted to each faculty who will act as a counselor/ mentor to the students. ? The faculty regularly interacts with the students and normally the frequency of meeting is twice in a semester or as and when required. ? The proctor files are maintained by the faculty which gives the complete academic details of the students. ? Mentoring includes improving the performance in the course work, student's attendance, encouraging them to attend conferences, workshops organized at other institutes, participation in extracurricular activities, career guidance and any other problems faced by the students. Outcome of mentoring ? The mentoring helped the students in identifying their weakness and aided in improving their technical and nontechnical skills. ? The visible outcome of such counselling was observed in improvement of participation in

various national technical symposia, workshops andalso in extracurricular activities. ? The mentoring also helped in the improvement of attendance, mid and external marks. Preplacement/Career guidance ? One faculty member of the department has been assigned to guide the students regarding Training and Placement activities. ? The faculty member interacts with final year students and counsels them on higher education and also organize seminars delivered by experts.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4433	270	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
22	22	Nill	22	14

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.J.Hyma	Associate Professor	VENUS International Women Award – VENUS International Foundation
2018	Dr.S.Srinivas	Associate Professor	Received Research excellence award from IITH for the years 2014 and 2018 from IIT Hyderabad in June 2018.

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
33	4292	0.77

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the

institution are stated and displayed in website of the institution (to provide the weblink)

https://www.anits.edu.in/naac

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

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

https://www.anits.edu.in/naac

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	7	AICTE	2.8	2.8
Any Other (Specify)	7	AICTE	4.63	4.63
Any Other (Specify)	720	AICTE	21.82	0
Any Other (Specify)	7	AICTE	4.45	0
Any Other (Specify)	7	AICTE	3.86	0
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

2

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
E Bike Team Blitz	Least cost award People Choice Awardh	Asian E Bike Challenge	04/03/2019	E Bike Team Blitz
ACM ICPC	Honorable Mention	ACM	23/11/2018	ACM ICPC
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

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

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Communication Engineering	1
Computer Science Engineering	3
Mechanical Engineering	2
Electrical Electronics Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
View File			

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
No Data Entered/Not Applicable !!!	
View File	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
System and Method for Distributed Block Chain	Published	2018410457	04/12/2018

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	8	82	2	21
Presented papers	20	1	Nill	Nill
Resource persons	3	1	6	4

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				

3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1155	301

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
LIBSYS	Fully	4.0	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	29982	8846994	632	367652	30614	9214646
Reference Books	8085	2318382	222	128982	8307	2447364
e-Books	Nill	Nill	Nill	Nill	Nill	Nill
Journals	91	205022	Nill	Nill	91	205022
e-Journals	511	1401704	Nill	Nill	511	1401704
Digital Database	2	86500	2	84370	4	170870
CD & Video	2560	Nill	106	Nill	2666	Nill
Library Automation	4	150000	Nill	Nill	4	150000
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(specify)	582	Nill	Nill	Nill	582	Nill
Others(specify)	504	Nill	173	Nill	677	Nill
Others(specify)	698	Nill	Nill	Nill	698	Nill
Others(specify)	4677	Nill	162	Nill	4839	Nill
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. M. Ramakrishna Murty	Data Base Management System	YouTube	01/10/2018
Dr. M. Raja Roy	Auto CAD	YouTube	10/03/2019
Dr. M. Raja Roy	Engineering Mechanics	YouTube	18/12/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	650	15	0	7	0	10	155	100	34
Added	110	0	0	0	0	0	16	0	0
Total	760	15	0	7	0	10	171	100	34

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
All Faculty creating their econtent in the institution own web path	http://52.66.30.236/moodle/

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
460	329.15	291	208.26

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

General maintenance of physical facilities such as buildings and other utility services: The central maintenance department looks after the maintenance buildings, various utilities such as water, plumbing, electrical, carpentry and other related issues. The routine cleaning of class rooms, roads and washrooms will be done as per the schedule given to the staff. The maintenance department prepare and maintain routine checklist and preventive maintenance schedule. They perform routine checks and preventive maintenance as scheduled Each block is houses a specific department and the maintenance works related issues of such department will be raised by the concerned faculty / lab technician who is member of amenities committee. Once HoD forwards such complaint same is sent to maintenance office through administrative office. The work allocation will be done the central maintenance department and when the

work is completed the concerned authority will certify the work completion sheet. Emergency maintenance shall be coordinated and the report can directly be sent to maintenance department. Maintenance of computer systems, networking, internet facilities: A CDM cell is constituted in the institute to look after the all the issues related to above services. The CDM cell is headed by HoD of CSE department. Two technically competent staff are working in the cell. Basing on the complaint raised by each department the technical personnel will resolve the issue. If any new component is required, indent will be raised by the CDM cell and the same will be sent to purchase department. Once the material is received and the issue is resolved the work completion details will be provided by the CDM cell. 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 of college , internet accessibility and journals accessibility and the complete details are available in the ANITS web site and the URL is http://library.anits.edu.in/librules.php Laboratories: The lab faculty in charges and technicians of the lab ensure the regular maintenance and ensure all the equipment are in good working condition such that the regular academics processes run smoothly. Calibration of equipment is done periodically. If any complaint and if any new component is required, indent will be raised by the respective department as approved by respective HoD and the same will be sent to purchase department by the admn. office. Once the material is received and the issue is resolved the work completion details will be provided by the respective department to the accounting section to complete the purchase and payment process to the vendors.

http://library.anits.edu.in/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nill	Nill	Nill
Financial Support from Other Sources			
a) National	Nill	Nill	Nill
b)International	Nill	Nill	Nill
View File		

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling	Number of students who have passedin the comp. exam	Number of studentsp placed

	activities		

<div align="center" style="color:red;">**No Data Entered/Not Applicable !!!**</div>

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

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

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

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

The institute will encourages the students to grow in all aspects. The institute feels the all round growth of the students will help to grow in their careers, and facilitates to participate in extracurricular and cocurricular activities. ANITS has department wise students bodies which conducts regular co and extra curricular activities, students TECHFESTS. These students fests are conducted once in a year by inviting the participants from all over the country, purely organised by students with the help of teachers. The other professional students bodies like ISTE, IIChE, CSI, IEEE, IE ISHRE etc. has their role in developing the students skills. Other than these activities, the students are also have their role in institute administrative bodies like IQAC, students grievance cell, Placement committee, Hostel committee, Library committee etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of ANITS (AAA) was started and registered in 2006. Regular meetings and interactions with Alumni were organized every year. The alumni meetings are aimed to foster a sense of community among alumni, while supporting a sense of connectedness back to the institution feeling Alumni meet will help new professionals or visit with people they have met before, to establish or renew friendships and acquaintances. The professionals can exchange information about their work, experiences and help each other with networking needs such as hiring, referrals for specific expertise, or looking for a new job. The young students can meet with alumni of the Department. This allows them to meet others who share the institutional connection and to start their academic career with a new social connections. • To utilize the rich experiences of old students of the college for the benefit and progress of the present students • To provide guidance to the present students in their endeavour for better employment and higher studies. • To promote the campus placements through the old students working in reputed industries in India and abroad • To get the valuable advices of the Alumni in the overall development of the college • To arrange seminars, debates, workshops and also to arrange cultural and social welfare programs • To arrange donations to the poor students either by way of cash or kind for their education purpose • To arrange teaching and training classes to the students studying in the college and also to the members to upgrade technical and general skills. • To involve the members in the overall development of the college and the Society

5.4.2 – No. of registered Alumni:

1789

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

20000

5.4.4 – Meetings/activities organized by Alumni Association :

1

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Governing body is constituted as per the guidelines provided by AICTE. ? The Governing Body delegates all the academic and operational decisions based on policy to the Academic Council headed by the Principal. ? The principle will

discuss all the academic activities with the HOD's and assign the duties. ? The HOD's manage the day to day activities of the department. ? A team of Faculty members coordinate the cocurricular and extracurricular activities in the College. ? Other units of the college like sports, arts, library etc. have operational autonomy under the guidance of the various committees/clubs/associations and students are involved from various departments in the decisiontaking process. ? Conducting Mid examinations by the individual Departments Levels of participative management. ? The Governing Body, Academic Council, Board of Studies, Finance Committee, IQAC and other statutory bodies are formulated as per the participative structures provided by the Government, UGC, AICTE and the affiliating University. ? The College makes sure that every faculty is involved in at least 2 or 3 committees of the College and representation from the student community is also ensured. ? The regular meetings and feedback of different stakeholders is also an indication of the participative management.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	• The EAMCET Engineering and Medical Common Entrance Test convener fills up 70 (Category A) of the seats in the Institute by allotting the candidates to this institute on the basis of their choice, their EAMCET ranks and the reservation policy of the Govt. of Andhra Pradesh. The remaining 30 (Category B)of the seats are filled up by the Institute under the Management /NRI quota • The convener of ECET admits 10 of the sanctioned intake for each program for admission directly into the II year of the 4year B.E/B.Tech program
Industry Interaction / Collaboration	? Industry Interaction / Collaboration • Potential industries for summer training are contacted and students are deputed to various industries for summer training. MOUs are signed with a few industries which offer summer training. Industrial visits are organized to expose the students with the environment at site and modern trends that are taking place in construction industry.
Human Resource Management	• Transparent and scientific way of selections. • Imparting related training. • Systematic performance appraisal system and guidance to the people concerned. • Systematic promotion policies. Democratic way of administration with participative management.

Research and Development	• Faculty is registered as research scholars and there by considerable number of research papers is being published. • Research proposals are submitted to UGC, SERB AICTE for funding purpose.
Examination and Evaluation	• The students will be assessed on continuous basis by the subject teachers based on their attendance, participation in tutorials, assignments, presentations, vivavoice and other activities. • Students are given a minimum of two assignments by the faculty member, which they are required submit on specified dates. These assignments carry marks which contribute to the total obtained for that subject. • Students are required to sit for two tests, which are conducted after 45and 90 working days approximately. These are called Mid I MidII. • Final Examination carries a weight age of 60 while MidI MidII carry a weight age of 30 while the assignments, quiz, etc carry a weight age of 10. • The performance of a student is evaluated in terms of two indices, viz. the Semester Grade Point Average (SGPA) which is the Grade Point Average for a semester and Cumulative Grade Point Average (CGPA) which is the Grade Point for all the completed semesters at any point in time. The SGPA is calculated on the basis of grades obtained in all courses, except audit courses and courses in which S/Z grade is awarded, registered for in the particular semester: • • The CGPA is calculated on the basis of all pass grades, except audit courses and courses in which S/Z grade is awarded, obtained in all completed semesters.
Library, ICT and Physical Infrastructure / Instrumentation	Library Our library operations have been computerized using LIBSYS software package. Library Information Centre provides uncompromising information and intellectual requirements to its students and faculty with an userfriendly approach. It offers a fully integrated and dynamic environment for conducting academic study. Library Committee: The library Committee headed by librarian and chaired by Principal convenes a meeting twice in a year.The students give suggestions in the requirement of books for preparing competitive exams,

	library timings, the ambience of library and overall improvement of library facilities. MOODLE (elearning resorce): The faculty will upload the syllabus, course plan, lesson plan, course material, conduct quizzes in elearning resource software. The students of the institution have the exclusive authority to access the content provided by the concerned faculty. The faculty have provision to conduct online quizzes and assignments for continuous engagement of students. The faculty can also assess the population size of students participating in the quizzes and assignments. • In addition to the central library, every department has its own departmental library. The Library has high speed Internet facility for 40 Systems with 100 Mbps dedicated network. All the Student and Staff Members can use the facility on Library working hours. All The EJournals and articles can be downloaded in the Browsing Centre. For using the Browsing service. It has also developed a fullfledged Digital Library equipped with necessary modem equipment in order to provide various digital mode Library services. NPTEL facility (National Programme on Technology Enhanced Learning) to access video lectures Digital Library section of the Central Library has developed an institutional digital repository using open source software D Space, which preserve the institutes intellectual output for campus wide access and digital preservation for the posterity.
Teaching and Learning	ANITS strongly believes in the student centered teaching learning process. In addition to the traditional teaching learning process, some of the novel learning strategies are included in a comprehensive approach include self directed learning (working out case studies), cooperative learning (team activities and group exercises), behavioral rehearsal(individual seminars and presentations), peer education and parent involvement. The department has an academic calendar based on the college academic calendar, which comprises of curricular, cocurricular and extracurricular events. The subjects are allocated based on (i) faculty competency and

	(ii) the outcome of the faculty meeting. The course plan for each subject is prepared by the faculty well in advance (preferably one week before the commencement of the semester). The lecture material, tutorials assignments are uploaded in the inhouse esoftware for the access to the students. The MID and end semester question papers, content beyond syllabus and sample scripts are filed in the course file. Computational tools are also use incorporated in teaching learning practice to enhance the understanding of students. Tutorials are allocated in the timetable itself and besides the regular faculty another faculty is assigned to help the students to improve their knowledge further on the subject.
Curriculum Development	ANITS has become autonomous in 2015 and the institute is having systematic processes and procedures to design, delivery, documentation and improvisation of the curriculum. ? The curricular needs of the industry and society is discussed initially at the departments level by the Academic planning and monitoring committee (APMC). ? Then it was put up for the Board of studies approval which consists of good blend of all stake holders with experts from academia, industry, alumni etc. The same will be put up for the approval of Academic Council and the Governing body. ? Each department plans and prepares an academic calendar which provides details of class work, exam schedules and other cocurricular activities like guest lectures, industrial visits and shortterm courses before the commencement of the academic activities in the department is line with institutional academic calender. ? After taking into cognizance basing on the competency choice of the faculty and after discussions in faculty meetings headed by HoD, the courses are assigned to the faculty. ? Once the courses are finalized the faculty will submit the course / lesson plans before the commencement of each semester. ? All the courses are provided with Course Outcomes and ensured to map with Programme Outcomes in tune to good practices of Outcome Based Education. ? The course objectives and outcomes,

tutorials and content beyond the syllabus are mentioned in the course plan. ? The class lecture notes, assignments, quizzes, CO /PO attainment levels, Q papers etc., are maintained by the faculty in their course files in a systematic manner. ? To ensure continuous learning the relevant contents uploaded by the faculty in MOODLE software maintained by the institute. ? The institute conducts two mid exams and the average of two is considered for 50 weightage of internal marks. The other 50 weightage is given for assignments, attendance and activity which includes mini projects, seminars, prototype models etc. ? Two Class Review Committees (CRC) will meet before the midexaminations to identify any gaps in syllabus coverage, issues related to teaching and learning etc. and necessary steps will be taken by HoD to rectify such issues. ? The mid question paper committee in the respective department looks after the standard of question paper which includes blooms taxonomy and course outcome. ? The remedial classes are conducted for academically weak students after mid examinations to improve their performance. ? The final/external paper is verified to check the consistency by the moderator/subject expert nominated by HOD. ? The labs and projects are conducted and the performance of students is evaluated through continuous assessment where rubrics is used as an assessment tool. ? The institute has well administered proctorial system which takes care of attendance, academic progress of students and cocurricular extracurricular activities. ? The Internal Quality Assurance Cell (IQAC) of the institute organizes internal audit to check and recommend various measures to be taken to enhance the overall quality.

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

E-governace area	Details
Planning and Development	? Planning and Development • Budget Proposals are applied through EPortal • Automate Library. • Efeedback from faculty
Administration	? Administration • Staff Salary

	Generation expenses Management. • Grievance addressing of stack holders by using email, SMS and telephonic service.
Finance and Accounts	The fees payment by students such as the college fees, hostel fees, bus fees and salaries to staff are automated. Almost all payments are through online sticking to the norms of the government. Recently a new and modern corporate office was built to bring all functions under one roof to enhance the quality and efficiency.
Student Admission and Support	? Student Admission and Support • Fee payment through online • Analyze the Performance of a class. • E Learning though MOODLES • Internet on demand for students and teachers.
Examination	? Examination • Automate Examination Management System. • End semester result published through online via college website: www.anits.edu.in

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
22	22	10	10

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Medi Claim, Concession in ANES Hospitals	Medi claim, ESI facility, Concession in ANES Hospitals	Free consultation in ANES Hospitals,

6.4 – Financial Management and Resource Mobilization

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

The institute has financial audit done by external agencies every year. The details of the audit reported in the college website. The link is given as :https://anits.edu.in/auditstatements.php

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Academicians from reputed Universities	Yes	IQAC
Administrative	No	Nill	Yes	IQAC

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

1. Parents meeting is conducted two times per Year 2. Feedback from the parents are collected and the necessary actions are being taken 3. Class teachers send SMS to Parents every day regarding their wards attendance 4. The semester results of the students are conveyed to the parents during the parents meeting 5. Departmental activities are also conveyed to parents during the meeting

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

1. Encouragement was given to all support staff to pursue their Higher Studies 2. Additional Leaves are sanctioned when they are attending their examinations for Higher studies. 3. Regular sessions were taken to improve their communication skills / personal skills.

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

1.Teaching learning programmes are improved based on the suggestions given by

the experts committee 2. R D activities are motivated through submission of proposals to funding agencies 3. Steps are taken to improvise the quality of faculty publications. 4. Students are motivated to participate more in industrial oriented training.

6.5.5 – Internal Quality Assurance System Details	
a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	A Systematic Approach to Assessment in OBE	08/10/2018	25/10/2018	03/11/2018	200

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
MOCK PARLIMENT	17/08/2018	17/08/2018	25	15
"Eradicating women abusement And Fitness Campaign	17/02/2019	17/02/2019	60	90

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Solar energy generation of 450 kVA capacity was installed on the rooftops of all blocks. Water percolation tanks to increase groundwater level Awareness of Plastic-free campus by NSS

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	10
Ramp/Rails	Yes	10
Rest Rooms	Yes	10

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to	Number of initiatives	Date	Duration	Name of initiative	Issues addressed	Number of participating

address locational advantages and disadvantages	taken to engage with and contribute to local community					students and staff
No Data Entered/Not Applicable !!!						

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Financial Support to Staff family	11/04/2018	The NSS unit and management of ANITS collectively raised a fund to give financial support to a family of one of the techinician family.The technician named APPALA NARAYANA worked in the department of chemical engineering until his last breathe. so the people of ANITS helped their family by giving some financial support.
Donation for cancer treatment	17/03/2018	NSS family of ANITS felt that life is more important than money.Thats we came forward and encouraged people of to donate amount towards the treatment of a cancer patient.Being social servants we collectively raised the donation of RS.2,33,470/- and handover that money to the parents of the patient for her treatment.The patient named CHEBOLU.SOWMYA is a student of our colleage pursuing her degree in the depatment of mechanical engineering of batch (2015-2019).

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Swachha ANITS mission 2. Plantation of trees and promotion in the near by community 3. Promotion ecofriendly Ganesh idols on the eve of Ganesh festival

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Using Rubrics as a tool in the assessment processes to implement outcome base education system in the institute in true spirit : 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(nondomain skills) on par with the disciplinary knowledge (domain skills). The assessment of these global competencies is an important aspect in outcome based education. It is of utmost important to have reliable methods / proper assessment tools to evaluate the student works for attainment those outcomes known as programme outcomes in tune to graduate attribute as mentioned in Washington accord. Rubrics provide a powerful tool for assessment and grading of student work and for communicating the performance expectations for an activity. They can also serve as a transparent and inspiring guide to learning. They are scoring, or grading tools used to measure a students' performance and learning across a set of criteria and objectives. Rubrics are descriptive, and thereby can be used as a tool to promote understanding, and to direct future instruction and learning. Using MOODLE as an ICT tool for enhanced learning: The usefulness of digital technologies imparted into a blended learning model (combination of traditional teaching methods of face to face and online media) for engineering education is enormous as the students has become digital inhabitants. This is a generation that has never known a world without Google, the internet or even smart electronic devices. Hence continuous engagement of the students through these tools has become a important educational experience. The role of Information and Communication Technology (ICT) plays a wider role in teachinglearning activities like, content creation, administrative, formativesummative assessments, student's performance tracking, trainings, knowledge management and knowledge organization. In addition, the technical features of ICT allow us to customize to meet the demands of an institution. Considering the recent major shifts in the learning paradigm, these innovations were deployed in an ongoing, real time basis in our educational campus.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.anits.edu.in/naac

7.3 – Institutional Distinctiveness

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

The academic research and paper publications by faculty is a distinctive achievement in the academic year 201819. Number wise there is 20 increase in publications. However the number of quality publications rose from 48 in 201718 to 74 in 201819 which is good achievement by the faculty and thus the institute. This achievement is in the right spirit and direction in which the institute look forward to. ANITS envisions to emerge as a world class technical institution whose products represent a good blend of technological excellence and the best of human values. The mission of the institute is to train young men and women into competent and confident engineers with excellent communicational skills, to face the challenges of future technology changes, and also to impart holistic technical education using the best of infrastructure, outstanding technical and teaching expertise and an exemplary work culture, besides moulding them into good citizens. The path towards the

mission that the products i.e, the students, of the institute have technological excellence is possible when the faculty are abreast with latest technological developments, publish their good work in reputed journal. In this process the faculty will ensure dissemination of their knowledge to the student community whenever they engage them in the class room or beyond class room. This also ensures the students to do quality projects which are related to industry needs and based on societal issues. Further the growth in vibrant economies of the world has been fuelled by innovation, disruptive technology, and product development, which have roots in state of the art research and education in academic institutions. The Fourth Industrial Revolution (4IR) which is a fusion of advances in artificial intelligence (AI), robotics, the Internet of Things (IoT), 3D printing, genetic engineering, quantum computing etc., and is blurring of boundaries between the physical, digital, and biological worlds. As a result of this perfect storm of technologies, the Fourth Industrial Revolution is paving the way for transformative changes in the way we live and radically disrupting almost every business sector and changing the dimensions of engineering education. It is recognized that technology has a major role in transforming lives. Creating an enabling ecosystem is possible when initially by the faculty exposed or involved in such transformation. Then their knowledge in such research and development areas ensure the students will have technological excellence.

Provide the weblink of the institution
https://www.anits.edu.in/naac

8.Future Plans of Actions for Next Academic Year

1. To get sponsored projects from various organizations. 2. To publish more quality publications from faculty. 2. To organize an international Conference by every department. 3. To establish an industry supported RD Lab for every department. 4. To enhance the number of placements from core industries. 5. To extend consultancy services to industries and get patents. 6. To get more MOUs from core industries. 7. To encourage students to do more society benefited projects.