



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

AVN INSTITUTE OF ENGINEERING AND TECHNOLOGY

AVN INSTITUTE OF ENGINEERING AND TECHNOLOGY, KOHEDA
ROAD, PATELGUDA(V), IBRAHIMPATNAM(M), RANGAREDDY(D).

501510

www.avniet.ac.in

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BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

AVNIET was established in the year 2009 and is affiliated to JNTUH. The motto of the institute is “Swayam Tejaswin Bhava” i.e. to produce job providers rather than job seekers by inculcating techno-preneurial capabilities. At the time of inception, the institute started with four UG programmes in engineering with a total intake of 240 students and at present it is 4 UG and 1 PG programmes with an annual intake of 504.

The best facilities made available to the students are excellent infrastructure, state of the art laboratories and a spacious library. The institute has 124 well-qualified and highly committed faculty in which 36 are PHD’s and 18 are pursuing the same. Excellent academic results and a good number of placements are attributed to the expertise of the faculty.

The teaching-learning process is carried-out through the use of ICT in all 58 class rooms and seminar halls. AVNIET’s excellent facilities include an extensive computer center, library, advanced lab for communication skills, internet center and spacious seminar halls and smart classrooms.

AVNIET has earmarked a research fund to nurture and harness research talent among the students and faculty. The organization provides necessary facilities for promoting collaborative research in emerging areas. It was instrumental in entering into MOU’s about to 50+4 in conducting various Industry Institute initiatives. The Institute organizes mega events like “SARANG”, an annual students' technical fest; “PRAVEGA”, an annual sports and cultural fest; "AVN SMRUTHI", an Annual alumni meet; "AVN-SUMMIT", an International Conference.

Many of the college faculty members are members of various professional societies. The research facilities at AVNIET have been growing rapidly over the years. Under the able guidance of renowned industrialists and educationalists the growth of the institute has been well planned to meet the specific needs of industry and the growing academic interests of the student community. The college was recognized by NBA since 2019

Vision

“To be a Centre of Excellence in Technical Education and to become an Epic centre of Research for Creative solutions”

Mission

“To address the Emerging needs through Quality Technical Education with an Emphasis on Practical Skills and Advanced Research with Social Relevance”

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

State of art Infrastructure, well furnished Labs and Fully equipped Lecture Halls.

Consistent academic record of 80% and above passes, with 75% to 90% of them securing First Class (60% aggregate marks) or more.

College website, Campus Networking System (E-CAP) and e-magazine (AVNGEMS) created and maintained by Students.

Full complement of faculty with qualifications and experience meeting or exceeding AICTE norms. Adequate number of young, dynamic and dedicated faculty with excellent academic records/Industry experience on-rolls.

A number of research activities within the campus leading to National/International recognition and awarding. Availability of outstanding technology, support, and Library resources to help the faculty as well as the student to carry out the developmental work.

Student-friendly Teaching-Learning Practices oriented towards improving learning outcomes:

Teaching methodology emphasizing practical work, a bench-mark higher than the norms of affiliating university.

Bridge Courses for newly admitted students before start of regular instruction.

Preparing the students for campus recruitments by providing training both at softskill and technological skill level.

Guiding students for competitive examinations namely GATE, UPSC, GMAT, GRE. etc.

Continuous Internal Academic Auditing for quality assurance. Effective Student Feedback Program. Parent-teacher's interaction to enhance student learning process.

Institutional Weakness

1. Industry Institution Interaction needs to be strengthened further.
2. Faculty members with industrial experience are less in number.
3. Personality and communication skills of students need to be improved particularly in 3rd and 4th year to face job opportunities in the outside world. Professional coaching for GATE and other competitive exams to be enhanced.
4. The College is affiliated to the JNT University Hyderabad and hence has limitation in upgrading the curriculum by own
5. Consultancy and extension activities need improvement.

Institutional Opportunity

1. Enhancement of research activities in each department in association with R&D center.
2. To acquire Autonomous status from UGC
3. Networking with premier institutes & Industry for advanced, applied research & academic interaction through MOUs.
4. Alumni Networking for Academic and placement activities.
5. Attracting well qualified and experienced faculty members

Institutional Challenge

1. Coping with rapid changing in technology and the industrial requirements to improve the employability of the students are the biggest challenge for an institution affiliated to any University.
2. Scarcity of quality faculty, qualified doctorates as well as teaching faculty with industrial exposure and with a comprehensive assessment of the needs of the industry/ society is a challenge.
3. Students admitted with varying ranks from thousands to lakhs create imbalance in the learning process creating pressure on the teachers.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curriculum design and development including almanac for various programmes offered by the institute is provided by the affiliating Jawaharlal Nehru Technological University. Members of respective Boards of Studies (BoS) and actively participate in the proceedings of BoS meetings. The curriculum is revised regularly by the affiliating university keeping in view the changing societal and global needs and employability of students and feedback from them. Cross cutting issues such as gender, environmental education, human rights, Information and Communication and Technology (ICT) etc. are kept in mind while revising the curricula. The

institute implemented Choice Based Credit System (CBCS) as per the guidelines of the JNTUH. The institute is continuously introducing new courses to ensure qualifications of students are relevant and impart education that combines industry-valued qualifications and the highest academic standards with flexible modes of learning.

The Institute conducts in-house Faculty and Staff Development Programmes before the commencement of every semester. The Institute also organizes ICT programmes to train faculty to use the modern tools and technologies. TPO in collaboration with few companies organizes programmes such as Campus Recruitment Training (CRT) and Soft skills/Communication skills programmes to meet the global dynamic employment market needs and to improve life skills of students in addition to providing internships and campus placements. This cell arranges lectures by career counselors, distinguished alumni and other eminent personalities

Teaching-learning and Evaluation

Teaching-Learning and Evaluation is a significant one as it directly reflects the objective of establishing a higher level educational institution. Student enrolment and profile including admission process indicates the quality of admitted students as the basic input to an institution which has a tremendous impact on the learning process. The Institute follows rules and regulations of the State Government with regard to diverse needs of students.

Teaching-Learning Process further includes preparation of teaching plans, evaluation of blue prints, etc. It assesses the support structures and systems available to teachers for enabling students to have interactive, collaborative and independent learning. This factor analyses the process of recruitment of quality teachers, their training, deputing them to orientation courses, refresher courses, conferences, workshops, seminars, etc., on a regular basis to upgrade their knowledge from time to time.

Evaluation Process & Reforms emphasize the effectiveness of evaluation process adopted and its awareness to all the stakeholders of the institution. The evaluation process of the affiliating University and the institution is being analyzed to have its effective implementation and subsequent reforms possible for further refinement of learning process. It also talks about the graduate attributes adopted and redressal of grievances mechanism prevailing in the institution.

Students' performance is being measured by using programme wise and year wise result analysis

Research, Innovations and Extension

The faculty members of the institute are engaged in sponsored research projects and individual research work leading to Ph.D. award. Faculty members who are engaged in minor & major research projects as principal investigators have freedom in deciding the research area, research methodology and choice of instruments/equipment, etc., for conducting the research projects.

The college sanctions Academic leaves to the faculty members for participating and presenting research papers in seminars, workshops and conferences. All departments have rich research expertise to carry out quality research. The Institute has a Research Committee to encourage / promote research among the faculty and students and also to monitor and address the issues related to research

Further, state of the art equipment is made available in laboratories. Institution inculcates and develop scientific temper and aptitude among students with encouragement to take up internships, projects, industrial visits, participation in national and International conferences/workshops to get exposure to outside world by providing financial assistance.

The institute has industry collaborations with national and International reputed agencies which contributed towards the holistic development of the institute.

Infrastructure and Learning Resources

The Governing Body of the institute is committed in providing state of the art facilities to the institution. It prepares a strategic plan for creation and enhancement of its infrastructure which is in line with the curriculum.

Necessary budget is allocated for execution of its plan to meet short term and long-term goals.

Institute's infrastructure provides creative learning spaces that are required to develop well Seminar Halls, all Classrooms and Tutorial Rooms are ICT enabled, , providing the right atmosphere for in-class learning and after class discussions between teachers and students. State-of labs enable students to deepen their classroom learning through practical application.

The institute is steadily ramping up its recreational facilities on campus. Indoor and Outdoor Sports facilities include Football, cricket, Basket ball Table Tennis, Shuttle Badminton, Cricket pitches, Athletics Track, etc. The other facilities in the Institute comprise of extensive IT infrastructure and space for various special units like IQAC, Grievance Redressal unit, Women's Cell, Career Guidance Cell, Training and Placement, auditorium, Health centre, drinking water, canteen, recreational spaces for staff and students.

The Institute has an excellent library and information centre, equipped with modern infrastructure, with a reading capacity for 200 users.

The Institutes' classrooms deploy technology that is state- of-the- art to enable a ICT multi-media learning experience to the students. Audio-visuals, ppts, interactive modules, and also the traditional chalk- on-board methodology are used for effective teaching.

Student Support and Progression

The Institute publishes its updated information brochure annually, which disseminates information about genesis and growth of the institution, courses offered, department wise faculty details, infrastructure details and other information.

The scholarships are awarded to the eligible sections of under graduate students through the Institute by the State Government.

Entrepreneurship Development Cell (EDC) facilitates various programmes. The students are encouraged to participate in extracurricular and co-curricular activities such as sports, games, quiz competitions, debate and discussions, cultural activities etc., by providing necessary financial.

Placement Cell of the Institute offers a structured mechanism for career guidance and placement of its students by bringing a varied list of recruiters to the campus.

Student grievance redressal cell and anti-sexual harassment committee will address the related issues. An anti-ragging committee will take necessary action to prevent ragging and in case of the same, timely action will be initiated.

AVNIET connects to its Alumni through the alumni association called as "AVN SMRUTHI" which had its genesis in the year 2014. The institute facilitates student progression to higher level of education and/or towards employment through its curriculum. Students are also provided with ample opportunities to nurture their creativity and develop a wholesome personality through active student clubs in the college.

Governance, Leadership and Management

AVNIET aims at grooming students as professional technocrats and managers by offering learning opportunities and infrastructure facilities to cater requirements of dynamically changing industry from time to time. The Institute is governed by the SRI SURYA EDUCATIONAL SOCIETY. The top management of the institute is the Governing Body (GB) which is constituted as per UGC/AICTE norms. The Principal in consultation with all HODs evaluates policies & plans of the College from time to time.

Administrative and academic authority and responsibility is distributed at various levels of decentralized organizational set up. The Quality Policy of the Institute is: "AVNIET imparts value based Technical Education and Training to meet the requirements of students, Industry, Trade/Profession, Research and Development Organizations for Self-sustained growth of Society". The institute has a perspective plan for development and the plan is expressed in terms of long term, medium term and short term goals.

The Institution ensure that grievances/complaints are promptly attended to and resolved effectively through various mechanisms to analyze the nature of grievances for promoting better stakeholder relationship. The review is done at various levels like, student feedback on performance of the faculty self performance appraisal by the individual faculty. The institute's major source of income is tuition fee. The Institute is implementing the UGC / AICTE Pays scales. The institute established an Internal Quality Assurance Cell (IQAC). Most of the IQAC decisions were approved by the management and were implemented.

Institutional Values and Best Practices

The institution is very much committed to preserve and protect its complete environment. The green cover encompasses 40% of the campus land area with various shady trees like Delonix, Pongamia, Palm and Neem species alongside the lush green lawns endowed with various crotons and supported by hedges, Ashokas. The institute has taken its share of social responsibility in reducing carbon emission through renewable energy source. Solar power is used for library and plans to establish in campus power requirement. The conventional lighting is steadily replaced with CFL and LED lamps. There is an adequate mechanism prevailing in the institute for maintaining and protecting the green environment. A scheme is under active consideration for

recharging bore wells from rainwater and also diverting the silage for garden plantation. The institute at its own level has taken up certain preventive measures to check the emission of carbon dioxide.

The institution strives to have a conducive environment for creative and innovative initiations in all spheres of academic progression leading to quality enhancement.

Two of the best practices contributed to the achievement of the institutional objectives contributed to the quality improvement of the core activities of the institute are inculcating the spirit of research among faculty for a progressive technological growth and holistic approach for overall development of students by emphasizing co-curricular and extra- curricular activities

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	AVN INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	AVN INSTITUTE OF ENGINEERING AND TECHNOLOGY, KOHEDA ROAD, PATELGUDA (V), IBRAHIMPATNAM(M), RANGAREDDY(D).
City	HYDERABAD
State	Telangana
Pin	501510
Website	www.avniet.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	HARIKRISHNA KAMATHA M	040-9248011442	9248011446	-9248011442	avn.principal@gmail.com
IQAC / CIQA coordinator	D.VENUGO PAL RAO	040-9248011441	8106624794	-9248011441	ao@avniet.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details				
Date of establishment of the college		22-07-2009		
University to which the college is affiliated/ or which governs the college (if it is a constituent college)				
State	University name		Document	
Telangana	Jawaharlal Nehru Technological University		View Document	
Details of UGC recognition				
Under Section	Date		View Document	
2f of UGC				
12B of UGC				
Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	29-04-2019	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	AVN INSTITUTE OF ENGINEERING AND TECHNOLOGY, KOHEDA ROAD, PATELGUDA(V), IB RAHIMPATNAM(M), RANGAREDDY(D).	Rural	10	19803.11

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No. of Students Admitted
UG	BTech, Computer Science And Engineering	48	XII	English	120	120
UG	BTech, Civil Engineering	48	XII	English	120	120
UG	BTech, Electronics And Communication Engineering	48	XII	English	120	119
UG	BTech, Mechanical Engineering	48	XII	English	120	68
PG	Mtech, Civil Engineering	24	B.TECH	English	24	17

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	15				27				85			
Recruited	14	1	0	15	21	6	0	27	57	28	0	85
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				72
Recruited	46	26	0	72
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				10
Recruited	9	1	0	10
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	14	1	0	18	4	0	0	0	0	37
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	3	2	0	57	28	0	90

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	299	3	0	0	302
	Female	124	1	0	0	125
	Others	0	0	0	0	0
PG	Male	11	0	0	0	11
	Female	6	0	0	0	6
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	12	17	12	30
	Female	7	4	6	12
	Others	0	0	0	0
ST	Male	39	30	22	37
	Female	10	6	5	5
	Others	0	0	0	0
OBC	Male	195	156	153	232
	Female	58	38	64	82
	Others	0	0	0	0
General	Male	67	90	78	130
	Female	56	49	62	71
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		444	390	402	599

3. Extended Profile

3.1 Program

Number of courses offered by the institution across all programs during the last five years

Response: 1471

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
8	10	10	12	12

3.2 Students

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1310	1678	1947	1972	1922

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
288	309	309	429	429

File Description	Document
Institutional data in prescribed format	View Document

Number of outgoing / final year students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
333	602	474	531	459

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

Number of full time teachers year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
150	187	187	199	179

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of sanctioned posts year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
150	187	187	199	179

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 48

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
660.3	687.0	572.7	638.4	526.8

Number of computers

Response: 785

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

AVN Institute of Engineering & Technology offers B.Tech, M.Tech courses approved by All India Council for Technical Education, New Delhi (AICTE). AVNIET is affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH) for UG (B.Tech.) and PG (M.Tech.).

The syllabus and the overall guidelines are laid down by the JNTU-Hyderabad and the same are implemented by the college. The college meticulously develops action plans for effective implementation of the curriculum. At the outset, the College Academic Committee (CAC) consisting of Principal, HODs and Professors, conducts periodical meetings to develop various strategies for effective implementation of the curriculum.

Teachers are encouraged beforehand to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits, computer education apart from regular/traditional teaching methods. At the start of the Semester, Academic Calendar will be provided to all departments by the Academic Section, which identifies all major activities in that Semester

/ Year. Thereafter, the staff members of various teaching departments conduct their internal meetings and develop academic plans for the ensuing academic year. Keeping in view, the number of working days available, the syllabus is divided into units which are to be finished by a given deadline as per the micro-plan given by the faculty concerned in the course file, at the start of the Semester / Year. Weekly reports are collected by the Academic section and the same are verified to know whether the syllabus and other activities are conducted as per the schedule or not. If major deviations exist, corrective action is taken by the Principal with the help of the HOD concerned facilitating extra classes.

Lesson plans and course file are maintained by each faculty for their respective courses allotted, which is reviewed on a continuous basis by the HOD concerned. Course files and lab manuals are distributed to all students at the start of the Semester / year.

Experienced executives/ scientists are invited from the industry/labs to give insight into the current scenario topics/ hot areas as part of advances in the area. The college makes every effort to supplement the curriculum of the University to ensure that the college's goals and objectives are met. Additional Laboratory experiments have been included in lab courses apart from curriculum to enrich the student's practical knowledge and skill base. Sessional exams will be conducted as per the course coverage and is fit into internal exam plan like first half of syllabus is marked for Midterm Exam – I and the remaining half for Midterm Exam - II, and laboratory practical work is on a continuous basis or number of experiments.

File Description	Document
Any additional information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 102

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
28	25	18	16	15

File Description	Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 162.97

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
33	33	81	75	72

File Description	Document
Details of participation of teachers in various bodies	View Document
Any additional information	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 21.41

1.2.1.1 How many new courses are introduced within the last five years

Response: 315

File Description	Document
Details of the new courses introduced	View Document
Any additional information	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 8

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 93.54

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1228	1523	1791	1842	1880

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document

1.3 Curriculum Enrichment

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

Response:

Several issues of global concern are either integrated into the curriculum or addressed through add-on activities. There is a full-fledged foundation course paper on Environmental Studies, which is studied by the graduate- level students, of all branches.

The issue of Human Rights is addressed to the department of Humanities and Sciences every year, then a massive human chain is made, and rallies are taken out, with students made to take oath of protection of human rights. The faculty also started an NSS program in which students carry out regular plantations, and are also informed about rain- water harvesting, environment protection etc.

The cross cutting issues like Gender, Climate Change, Environment Education, Human Rights, Professional ethics, find an ample space when it comes to applying them positively into the curriculum. The college, at its own level and with the assistance from JNTU, Hyderabad, makes arrangements for workshops and conferences of national level where in the experts are invited to share and deliver their experiences and knowledge. The college regularly organizes state level seminars on women empowerment. The course of environment education is a part of the college curriculum. It is compulsory for all the students, irrespective of any stream, to study the paper of environment.

File Description	Document
Any Additional Information	View Document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years**Response:** 120

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 120

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking field projects / internships**Response:** 123.97

1.3.3.1 Number of students undertaking field projects or internships

Response: 1624	
File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.4 Feedback System

<p>1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise</p> <p>A. Any 4 of the above</p> <p>B. Any 3 of the above</p> <p>C. Any 2 of the above</p> <p>D. Any 1 of the above</p> <p>Response: A. Any 4 of the above</p>	
File Description	Document
Any additional information	View Document
URL for stakeholder feedback report	View Document

<p>1.4.2 Feedback processes of the institution may be classified as follows:</p> <p>A. Feedback collected, analysed and action taken and feedback available on website</p> <p>B. Feedback collected, analysed and action has been taken</p> <p>C. Feedback collected and analysed</p> <p>D. Feedback collected</p> <p>Response: B. Feedback collected, analysed and action has been taken</p>	
File Description	Document
Any additional information	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.82

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
12	13	5	20	22

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 77.57

2.1.2.1 Number of students admitted year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
390	402	599	609	748

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
576	618	618	858	858

File Description	Document
Institutional data in prescribed format	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per

applicable reservation policy during the last five years**Response:** 100

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
288	309	309	429	429

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

2.2 Catering to Student Diversity**2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:**

The advanced learners are detected during their lectures in class room by means of getting feedback from the students orally and sometimes in writing. Students are subjected to various methods of evaluations like signalled response/answers, vocal responses, sample individual responses and written tests after each unit of syllabus. Based on their performance, students are identified as slow and advanced learners. They are supported in the best possible manner. The teachers take extra pain in helping them with an additional and personal interest. They are provided with the additional time and advanced learning materials. Further such learners are motivated for higher seats of learning and top most career options. A number of motivational lectures are organized to channelize their potential to accomplish better success. Institute has initiated AAC (Advanced Academic Centre) wherein the cream of the students are made automatic members who are privileged to interact with academic experts in and around city and projects initiated by interested and committed staff of AVNIET.

Academic performance of the students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. is detected by the teachers during their lectures in classroom. We use marks as index for identifying slow learner's students are subjected to various methods of evaluation, vocal responses, sample individual responses & written test after each unit of syllabus. These students who do not seem to cope up with the pace of learning are advised and counselled by the teachers by assisting them social study material. The morale of the slow learners is boosted by counselling sessions, remedial classes and intensive interactive sessions. They are also given advice after class hours and are motivated by providing additional learning material such as text books and solved question papers from exams. The advanced learners are given assignments and encouraged to take part in active items such as quizzes, essay writing, lecture competitions, and seminars. They are encouraged to acquire new and

advanced information through the internet to bring out their full potential. The creative abilities of students are given vent through wall magazines, newsletter and institute magazine. All students are exposed to peer group learning where both the slow and advanced learners are combined. A friendly environment is created to improve the communication skills of the slow learners. A number of motivational lectures and workshops are organized to channelize their potential to achieve success.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 8.73

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	View Document

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

Response:

The college offers support services to the teachers for making the learning learner centric.

- The college organizes guest lectures and arranges industrial visits for students to develop their interactive, collaborative and independent learning.

i) Interactive learning

- All classrooms are smart class rooms with LAN connection with ICT is provided.

- The college provides state of the art laboratories, fully equipped seminar halls and e-class rooms where students participate in group discussions, debates and seminars and attend guest lectures.

ii) Collaborative learning

- The college has the facility of teaching aids such as OHP, projectors, broadband internet connectivity, Wi-Fi connectivity.
- AVNIET in association with SHREYAS KNOWLEDGE PARK conducts a comprehensive student development programme with an objective to build employability skills to students. The program focuses on honing various life skills as required by the employers.

Apart from all the training the students are provided with, soft-skills training with hands on experience through Mock Interviews and Group Discussions, which will give them an opportunity to make their way to the final selection of any recruitment drive. In addition to the above mentioned training and practice in the program, Mock tests and Company specific test patterns would act as catalysts in equipping the students with confidence to face the competitive world.

This specialised training imparted to students is very useful in building their personalities as individuals, employees, employers, leaders etc. More specifically the college leverages its association with the best institute which has a reputation to chisel students as industry-ready professionals.

Mini projects and design projects are executed by forming small groups of Case study examples are practiced by the student groups. Summarizing/ evaluating discussion topics conducted during the semester, at the end of the semester by group of students. Groups are formed in the laboratories while conducting experiments and the group members' shares ideas. Entrepreneurship activities are conducted student groups and brain storming the ideas.

The departments maintain departmental libraries and internet facility to access all the journals, e- material, e-books etc. through Library server enabling the students and faculty to keep themselves in alignment of the latest developments in their respective fields.

iii) Independent learning

The college provides well stocked Library which consists of adequate number of books, journals, e- books, project reports and other teaching material and also provides access to IEEE articles for students and faculty. The department provides well equipped labs for improving programming skills and logical thinking. Study material is available in college portal and in Digital Library. Department conducts webinars, NPTEL video lectures. Design projects as a part of regular curriculum, are taken up by individual students for independent learning.

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 150

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 10.92

2.3.3.1 Number of mentors

Response: 120

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

Teaching –learning is a phenomenon where the teacher and the student are learning. In our institution, we have been following this method.

Traditional teaching has been replaced with more innovative and creative ways of disseminating, sharing and facilitating knowledge development in students. As both are involved with commitment, through this method, an interest has been created in the student and the teacher has to encourage the student to come out with new and innovative ideas. This method also motivates both the teacher and the learner. A teacher has to find out innovative ways and new methods, and our faculty has been using various methods by using teaching aid to encourage the student’s involvement. In this endeavour, our faculty has been taking pains with interest to demonstrate live / practical/ day-to-day examples, sometimes taking some live examples from the students to discuss a topic, coupled with technology. Newer approaches to T&L such as Outcome-Based Learning (OBE), Student-Centred Learning (SCL), Problem-based learning (PBL), Case Study (CS) have also emerged in recent decade and research has proven that many have positive impact on learning and we have been implementing the above different methods in our endeavour. An innovator will constantly think of better ways of doing things; an innovative educator will constantly formulate new ways and approaches to teaching and learning to maximize the output i.e. learning. The objective is application oriented learning. Both the faculty and student are involved in model making, and discuss in depth. This teaching-learning innovative method would certainly encourage the students to raise questions and some times, with working models development, they get answers to their queries. Occasionally, our students have been encouraged to make working models of the topics, they have understood and learnt by using the material available within their vicinity without spending much to display in any exhibition. This kind of support would certainly enhance their innovative skills and creative ideas. As an outcome of these innovative techniques the students are equipped with the latest technologies, their trends and impact of their usage in the society. Confidence levels of students are enhanced to better levels and participate

actively in all competitions.

The institute concentrates on making the students to be original thinkers. To encourage the artistic temper among the students, the institute teachers motivate them to participate in various beyond academic activities. The long list of prizes won by our students in academics and beyond academic activities at university and other district and state level competitions bears a testimony to it. At the same time, to encourage the scientific temper among students, the faculty engages the students in various practical works on science labs and computer labs. To sharpen the critical thinking among students, various GDs, debates and seminars are organized in which students explore new ideas and also get a chance to listen to the expert views of eminent professionals.

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

Response: 15.41

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
27	27	29	29	26

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	View Document
Any additional information	View Document

2.4.3 Teaching experience per full time teacher in number of years

Response: 16.71

2.4.3.1 Total experience of full-time teachers

Response: 2506

File Description	Document
Any additional information	View Document

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years**Response: 0**

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Institutional data in prescribed format	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years**Response: 25.65**

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
40	39	46	45	60

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

The college is affiliated to JNTUH University, Hyderabad. The university has evolved an innovative system of examination and evaluation procedure which is highly efficient and automated.

- Comprehensive viva
- Mini Projects at the end of 3-2 semester
- Quiz exams as part of each Mid.
- Choice is not given in the Mid exams and End exams.

The college has adopted various university reforms pertaining to evaluation viz.

Tutorials classes are conducted once per every week for all the courses and two faculty members are available in that class, to observe each and every student performance. Assignments are given to students in each unit in each course and marks are given to them as a part of internal examination.

Lab internal examinations are conducted twice per semester for each lab course, and the marks are given for record submission, attendance for the lab sessions, performance in viva, and day to day student activities in the lab and experiment. For each Mid exam, 2-sets of question papers as per Blooms Taxonomy are prepared by faculty and one of them is selected by the Principal just before the examination to avoid the leakage of question paper to the students. To conduct Quiz exams, online question paper is given by the university which is part of the internal exam.

Mini projects are conducted in 3-2 vacation and major projects in 4-2 semester duration. Question papers are revised, such that no choice is given in the question paper (only internal choice within the same unit), so that students' quality will improve.

College level Grievance committee is formed to resolve issues regarding the students' complaints against evaluation of mid exam papers

File Description	Document
Any additional information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

There is complete transparency in the internal assessment. The criterion adopted is as and weightages assigned are as per the University-prescribed norms and procedures.

- All the students are familiar with these objective criteria which comprise the marks obtained in the mid- term tests for lab and theory as well the quality of the submitted class assignments
- For each lab class, evaluation sheets are maintained and student assessment is done on behaviour

aspects, independent learning etc. Each criterion is carefully considered and lab internal marks are awarded based on the students' overall behaviour during the lab sessions.

- Special assignments are given with unique topic for each student, which will enable them to have independent learning. The assignment marks are allotted based on the students' performance in the assignments, regular lab assessment.
- Seminar classes and technical quizzes are conducted as part of academic schedule, which will enable the students towards independent learning and acquire good communication skills.

Transparency in Internal Assessment: After evaluation of the assignments /tests / projects / etc. the results are shown in the class and signature is taken from the students and also, these are displayed in the notice boards. Students are individually counselled. Feedback is taken from the students for better assessment and for also improving the existing standards of assessment.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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

Response:

If any student is aggrieved over the result of the examination, the following recourse is available to them:

All grievances regarding evaluation, including the internal assessment marks awarded for the students, are addressed by the Examination Board and the various Heads of Departments. At the first level, if the grievance pertains to mid-semester examinations, any doubts concerning the evaluation are removed by showing the evaluated answer book to the student and explaining the rationale for the marks awarded.

If the grievance pertains to the end-semester examination, then there is a provision for Recounting of the marks and/or Revaluation of the answer book at the University level, which requires the student to follow a prescribed procedure that is well-known to all concerned through published documents

At University level:

The student is entitled to apply for revaluation in theory courses by paying the prescribed fee to the University. The University will take up all such applications and reevaluates the scripts by competent course teachers. However, if there is no improvement earlier marks will be retained.

The student is also eligible to apply for challenge revaluation in theory courses by paying the prescribed fee to the University. Challenging revaluation is carried out by two course experts in the presence of student at the University. If the improvement in total marks is equal to or greater than 15% of the total marks, the fee paid will be refunded and further the improved marks will be treated as final marks.

File Description	Document
Any additional information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

The college is affiliated to JNTUH University, Hyderabad. The university has evolved an innovative system of examination and evaluation procedure which is highly efficient and automated.

- Comprehensive viva
 - Mini Projects at the end of 3-2 semester.
 - Quiz exams as part of each Mid.
 - Choice is not given in the Mid exams and End exams.
- The college has adopted various university reforms pertaining to evaluation viz.

Tutorials classes are conducted once per every week for all the courses and two faculty members are available in that class, to observe each and every student performance. Assignments are given to students in each unit in each course and marks are given to them as a part of internal examination.

Lab internal examinations are conducted twice per semester for each lab course, and the marks are given for Record submission, attendance for the lab sessions, performance in viva, and day to day student activities in the lab and experiment. For each Mid exam, 4-sets of question papers are prepared by faculty and one of them is selected by the Principal just before the examination to avoid the leakage of question paper to the students. To conduct Quiz exams, online question paper is given by the university which is part of the internal exam.

Mini projects are conducted in 3-2 vacation and major projects in 4-2 semester duration. Question papers are revised, such that no choice is given in the question paper (only internal choice within the same unit), so that students' quality will improve. College level Grievance committee is formed to resolve issues regarding the student's complaints against evaluation of mid exam papers.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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 on website and communicated to teachers and students

Response:

Discussions are held with faculty with regard to the importance of POs and their linkage to the professional competence of the students. They are further told to discuss the same with their respective students in the class rooms before they commence their course.

- Organizing workshops regarding PEOs and POs for the senior faculty members with the expert resource persons.
- Student awareness programs on the significance of POs and their contribution to the proficiency of the graduates are conducted once a year.
- Alumni survey is conducted once a year. Before conducting the survey alumni are briefed with regard to the role being played by alumni in defining the POs and their relevance to the overall growth of the professional graduate.
- Recruiters are informed about the importance of POs from industry's point of view. They are requested to give their opinion through a questionnaire which is further used in defining/redefining the POs.
- Members of the professional bodies are invited to the campus for various guest lectures to update the students with regard to the technological developments in industry/R&D establishments. During their visit to the college and also during the visit by our faculty who are members of various professional bodies for the meetings conducted by them, members of professional bodies are provided with a questionnaire seeking their response on the POs (They are briefed about the relevance of POs)
- Parents are informed about the significance of POs and their relevance in improving quality of students of B. Tech program during parent teacher meeting.
- Parents are invited to provide their feedback/opinions/suggestions on Pos.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

YES

Attainment of Course Outcomes: The course outcomes were prepared by the action verbs of blooms taxonomy. The assessment of course outcomes are as follows:

Direct assessment: 1. Internal Mid Examinations and Assignments Two Mid Examinations are conducted for students as prescribed by the university norms. There shall be 2 midterm examinations (each for 25 marks), along with 2 assignments in a similar pattern as above [1st mid shall be from 2.5 units, 2nd shall be from remaining 2.5 units], and the average marks of the two examinations secured (each evaluated for a total of 25 marks) in each subject shall be considered as final marks for the internals. Each question in the mid exam is mapped to the course outcomes. It is expected that a student should score at least 80% of Maximum marks of the course for the attainment. 2. End Semester Examination For theory subjects the distribution shall be 25 marks for Internal Evaluation and 75 marks for the End Examination. It is expected that a student should score at least 40% of Maximum marks of the course for the attainment of course outcomes. The marks scored by the students in Internal Examinations, Assignments and End Semester exams are used to assess the attainment level of the whole course and the course outcome attainment level. 3. Labs For Labs, there shall be a continuous evaluation during the year for 25 internal marks and 50 end examination marks. Out of 25 marks for the Internal, day to day work in the Laboratory shall be evaluated for 15 marks and internal examination shall be evaluated for 10 marks conducted by the concerned laboratory Faculty. The end examination shall be conducted with external examiner and laboratory teacher.

Direct CO Attainment: Course Outcome attainment level from internal assessment(A): mid exam class average(Mid1 for CO1, CO2, Mid2 for CO3, CO4)

Course Outcome attainment level from university exams(B): class average of end semester exams(for CO1, CO2, CO3, CO4) CO Attainment: $0.25(A) + 0.75(B)$ Indirect assessment: Course end Survey: At the end of each semester a questionnaire is distributed to all the enrolled students and take feedback on effectiveness of the course. The questionnaire is prepared to know the efficiency and utility of the course outcomes.

CO attainment: Final co attainment is calculated as $0.9 * \text{Direct assessment} + 0.1 * \text{Indirect assessment}$.

Attainment of Program Outcomes and Program Specific Outcomes Assessment Process: Direct assessment: Mapping of COs to POs and PSOs. Since COs are mapped to POs and PSOs, the values of COs are reflected in the respective POs and PSOs.

Description: Assessment process for COs is described above.

Frequency: Every semester.

Indirect assessment: Graduate exit survey Description: All students leaving the college on completion of program are given feedback forms to give their assessment of POs and PSOs

Frequency: Every year from the graduating batch to give their assessment of POs and PSOs
attainment: Final POs and PSOs attainment is calculated as $0.9 * \text{Direct assessment} + 0.1 * \text{Indirect assessment}$

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 79.03

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 1896

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 2399

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 241.6

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
45.5	40	73.21	66.36	16.53

File Description

Document

List of project and grant details

[View Document](#)

e-copies of the grant award letters for research projects sponsored by non-government

[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.94

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 170

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 902

File Description	Document
Supporting document from Funding Agency	View Document
Any additional information	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The AVNIET has taken initiative steps towards developing ecosystem for innovations and various knowledge transfer methods. The institute encourages the students and staff, work towards developing their own ideas and share among them and with experts. AVNIET has made 51 MOUs for the purpose and encourage, educate the students and staff by means of project works in the curriculum and off the curriculum. The innovative ideas are incubated and experts help is given to realize in terms of nurturing it into reality, like developing proto type working models. This makes the participants go further for startups.

The institution also recognizes the importance of research and development for the long term academic growth as a knowledge sharing method. Therefore, the faculty and students are encouraged to actively participate in R&D related activities. The Institute has a Research and Development Cell. It addresses the issues of research and creates awareness among the students and faculty, proposes to conduct/ participate in workshops, training programs and sensitization programs on capacity building in terms of research and consultancy and imbining research culture. To depute senior faculty to various research organizations for getting collaborative projects and adopting best practices. It suggests recommendations with their impact, encourage faculty to take research initiatives, and arranges guest lecturers under Institute-Industry-Interaction programs to promote research on industry needs.

Management is encouraging the faculty to attend and present Research Papers, Research Publications etc. Seed money towards paper presentation, attending R & D orientation workshops, seminars etc. Existing laboratories are modernized with additional equipment and experimental set-up to promote research activity in the campus. Efforts made by the institution in developing scientific temper and research culture.

The faculty and students are encouraged to visit research oriented labs, industries such as DRDO, BHEL, BDL. Students are permitted to do their major projects in Govt., recognized research laboratories. Students are taken to Production industries and research labs like DRDO, RCI, BDL, BHEL and many more institutions to interact with industrial experts regularly. The students are guided and encouraged in applying research projects for CSI, IETE and other agencies. Thrust areas identified for Incubation & Innovation Centre Mobile and Information Technology Internet of things E-commerce Electronics design and VLSI design CAD/CAM Applications Composite Materials and Metals Alternate Fuels for IC Engines Software based Simulation and Optimization Embedded System.

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 103

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
24	22	20	19	18

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

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

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

3.3.3 Number of Ph.D.s awarded per teacher during the last five years

Response: 5

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 5

3.3.3.2 Number of teachers recognized as guides during the last five years

Response: 01

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 6.09

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
66	57	435	358	183

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response: 2.03

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
6	77	236	37	10

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The students at AVNIET are participating in community development programmes actively. The students participate in various activities like organizing blood donation camps, and conducting health check up programmes and so on. Through extension activities college promotes and imbibes students with social justice and responsibility. The active participation of students in social service activities gives them an opportunity to understand the life style and standard of living of the underprivileged and their not so well to do peers thereby instilling a feeling of empathy and courteousness.

The following programs are conducted by the college as part of extension activity:

AVNIET Started RED Ribbon Club- under this club Creating Awareness Programmes Like AIDS Awareness Day programmme, Poster presentation & a Rally on 1st December every year. AVNIET Started Consumer Club for creating awareness Consumer Right, Consumer Laws and RTI Act. Students participate actively in Creating awareness on Organ Donation in Collaboration With VT Seta. Students participates actively in Swachh Bharat Programmes. Students participates actively in Ekta Diwas Students of our institution participate actively in Road Safety Programmes

Plantation program, Clean and Green program, creating awareness about environment are taken up. Participation of volunteers in Blood Donation Camps & Eye Checkup Camp. The volunteers derive hands-on experience in social service on their visit to the adopted villages under Social service activity, Go-Green and Hands-Together- camps, the children, youth and elders of the villages are imparted value education; awareness programs on importance of education, sports and games, cleanliness, hygiene, clean drinking water facilities, tree plantation, etc.,

The college faculties along with the students have been visiting the local slums and the blind home AVNIET Students participated and rendered meritorious services for Live Webcasting in connection with General Elections-2019 organized by office of the District Collector and Election Authority.

The institution has taken the initiative to make the society aware about social and health problems like female feticide, dowry system, environment protection, consumer protection awareness, HIV awareness, anti tobacco and cleanliness awareness etc. Students rendered meritorious service for Awareness on Cashless Transactions .Students were created awareness among village people on Save Water on the eve of world water day. Students were created awareness among village people on Save earth on the eve of world earth day. Students were created awareness on Right to Vote, Voter enrollment and Voters day Celebrations.

Major extension and Outreach programs Under NSS activities: Developing leadership quality among the students and unemployed youth Clean and green activities and Awareness on Environment protection. The College has a NSS Unit with a total strength of 150 members, affiliated to J.N.T.U. Hyderabad.

Computer education to rural children by NSS volunteers: Yoga training programme for village students The college organizes the development programs at community places (e.g. villages) as per the need of the village. The College faculty and students visit the community and the community stake holders are invited and programmes are planned for community development. College organizes cultural programs at schools and involves people in the programs.

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 103

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

2018-19	2017-18	2016-17	2015-16	2014-15
25	22	20	18	18

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 160

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
40	35	30	28	27

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 94.52

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1215	1604	1872	1842	1820

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 192

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
45	42	40	35	30

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 103

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
30	25	21	15	12

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

The AVNIET has established policies and procedures to create and continuously enhance the infrastructure in the form of human resources, laboratory equipment, built-up place, learning resources by keeping the objectives in view to promote Teaching Learning process directly and indirectly.

To provide good, sufficient and well ventilated academic and supporting spaces for effective teaching and learning. To have conference halls, meeting rooms, faculty cabins, digital Library.

To use ICT for academic purposes including teaching and learning To provide access to internet to students and faculty members To develop class rooms, tutorial halls, departmental and central Library and content to meet the changing requirements of teaching and learning. To develop labs as per curriculum requirement and also beyond the curriculum To promote learning materials like Charts, Write Ups, Multimedia, Models, and Virtual labs for enhancing teaching and learning. To provide amenities like Canteen, Transport, Play grounds etc.

Details of the facilities available

Curricular and Co-Curricular Activities – class rooms, technology enabled learning space, seminar halls, tutorial halls, discussion rooms, laboratories, specialized facilities and equipment for teaching, learning and research etc.

Classrooms and tutorial Rooms:

The college has 42 class rooms and tutorial rooms which are well-furnished, well ventilated and spacious for conducting theory classes. All the classrooms are ergonomically designed so that proper ventilation, lighting is provided with good acoustics.

All the classrooms of individual departments are at close proximity in order to have better access to the students. These class rooms are smart classes provided with Projectors, Screens, fans and LAN cables.

Technology enabled learning spaces:

The college has E-Classrooms to facilitate active learning. Each E-Classroom has a seating capacity of 60 with Projectors, Wi-Fi and LAN enabled internet connectivity, public addressing system etc.

Seminar Halls:

The college has 6 seminar halls to conduct seminars, conferences, guest lectures, workshops and symposia for students and faculty and is fully air conditioned equipped ICT.

Laboratories:

All laboratories are fully equipped and well maintained not only for carrying out experiments of curriculum oriented but also to conduct research activities.

Specialized facilities and equipment for teaching, learning and research:

Apart from the central Library, each department is having separate Department Library with good collection of Text books.

E-learning facility is provided which covers a wide set of applications and processes, including computer based learning and virtual class room learning.

Digital Library is accessible on LAN (Intranet) which gives lot of information regarding the course material.

Incubation Centre

The campus is facilitating excellent infrastructure for teaching learning process, career progression and higher education. The campus main building called Block-1 accommodates Principal office, Administrative office, Examination section, Library and First Year of sections and labs for Department of Science & Humanities. There are two other buildings in the campus called Block-2 and Block-3. Block-2 accommodates the Department of ECE and CSE,. Block-2 accommodates the Department of Mechanical Engineering and Civil Engineering Department, Gymnasium, Indoor games hall and Entrepreneur Development Cell, Training and placement cell. Canteen is housed in an exclusive building.

File Description	Document
Any additional information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities**Response:**

Extra-curricular Activities – Sports, outdoor and indoor games, gymnasium, auditorium, NSS, cultural activities, public speaking, communication skills development, health and hygiene etc.

The institution makes best use of its physical and material resources. It has a good quality play ground for sports and games. Well managed and maintained space for Indoor games like chess, caroms, table tennis, billiards are also available in the institution for the students and faculty. The institute has an open Auditorium of 500 capacities for cultural shows and annual festivals. There are ample musical instruments, sports equipment, indoor games, gym equipment and spacious common rooms for the students.

The college has adequate power back-up, through its generators and number of UPSs.

File Description	Document
Any additional information	View Document

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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 48

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 10.9

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
47.5	77.9	45	125	45

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

4.2 Library as a Learning Resource

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

Response:

The library of the college is situated at a place which is easily accessible by all the students and staff. The

library staff also assists any visually/physically challenged person in getting the book of his choice in case he/she visits the library. Our library equipped with modern technology and upgrades as and when new technology arises. Currently we are having following library Management System. Name of the ILMS software: WEBCAP(E-CAP), Nature of automation (fully or partially): Fully Automation.

To strengthen our circulation counters for accuracy and speeding up of operations Barcode Technology is in place.

Total number of computers for public access: 30 Total numbers of printers for public access: 2 Internet band width / speed: 30 Mbps

Institutional Repository: Institutional repository is an online locus for collecting preserving and disseminating in digital form.

Content management system for e-learning:

NPTEL Video Lectures, web courses (phase-I/phase-II) STANFOTD, MIT Video Lectures. Project reports CDs.

Participation in Resource sharing networks/consortia Subscribed for DEL NET List for participation in resource sharing networks.

File Description	Document
Any additional information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The Institution has the practice of collecting and maintaining rare books, manuscripts, special reports or any other knowledge resources to benefit students and faculty for their knowledge enhancement, research and exploring new things apart from the standard books. Details of Collection of some of the rare books, manuscripts, special reports like:

Encyclopedia of Science and Technology -1

Encyclopedia of Science and Technology-2

Encyclopedia of Science and Technology-3

Encyclopedia of Science and Technology-4

Encyclopedia of Science and Technology-5

Encyclopedia of Science and Technology-6

Encyclopedia of Science and Technology-7

Encyclopedia of Science and Technology-8

Encyclopedia of Science and Technology-9

Encyclopedia of Science and Technology-10

Tony Buzan the speed reading book

Tony Buzan Use your Memory

Evaluating Public Relations

Epetome and Wisdom

File Description	Document
Any additional information	View Document

4.2.3 Does the institution have the following:

1.e-journals

2.e-ShodhSindhu

3.Shodhganga Membership

4.e-books

5.Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)**Response:** 12.37**4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
14.84	5.3	11.51	15.8	14.39

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library**Response:** Yes**4.2.6 Percentage per day usage of library by teachers and students****Response:** 26.23**4.2.6.1 Average number of teachers and students using library per day over last one year**

Response: 383

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure**4.3.1 Institution frequently updates its IT facilities including Wi-Fi****Response:**

The entire campus is optically networked between buildings and cable within the buildings for connectivity. In addition, Wi-Fi facility is provided in all the buildings. Dedicated bandwidth of 100 Mbps is taken from a single source. In addition, each building /department of importance like examination centre, remote centre for online workshops, placement cell, and library have additional dedicated bandwidths of 10- 30 Mbps.

AVNIET maintains thrust on this vital area to ensure continuous and consistent availability in tune with the growing needs as well as changing technologies. The institute places lot of importance on e-learning and major plans is in hand to upgrade the bandwidth, connectivity as well as the devices.

File Description	Document
Any additional information	View Document

4.3.2 Student - Computer ratio

Response: 1.67

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)

>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Any additional information	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years**Response:** 36.51

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
165.95	197.65	289.96	254.58	200.82

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

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

We have well established maintenance cell for upkeep of facilities and equipment including the safety and security. Each department, through its coordinators of labs and administration ensures proper upkeep and maintenance. Each lab has its own schedules of calibration for its measuring equipment and instruments. As per the schedule each department carries out this task.

All equipment which are sensitive to voltage fluctuations are backed up with UPS and voltage stabilizers.

As a philosophy wherever possible desktops are replaced with laptops and other mobile devices so that optimum power is utilized.

Supply of water: Taking into consideration the peculiar location of the institution in hilly surroundings with scant ground water availability, a planned approach has been used since inception for supply of water for drinking and other purposes.

The college is equipped with its own water carriers, storage reservoir and pumping facilities and RO plant.

File Description	Document
Any additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 67.68

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
869	1160	1273	1323	1354

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 5.8

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
100	100	100	100	100

File Description	Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 75.63

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
965	1201	1602	1432	1499

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 0**5.1.5.1 Number of students attending VET year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description**Document**

Details of the students benefitted by VET

[View Document](#)**5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases****Response: Yes****File Description****Document**

Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee

[View Document](#)

Details of student grievances including sexual harassment and ragging cases

[View Document](#)**5.2 Student Progression****5.2.1 Average percentage of placement of outgoing students during the last five years****Response: 69.73****5.2.1.1 Number of outgoing students placed year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
239	392	388	359	286

File Description**Document**

Self attested list of students placed

[View Document](#)

Details of student placement during the last five years

[View Document](#)

5.2.2 Percentage of student progression to higher education (previous graduating batch)**Response:** 6.01

5.2.2.1 Number of outgoing students progressing to higher education

Response: 20

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	View Document

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)**Response:** 100

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
20	43	33	29	20

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
20	43	33	29	20

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document
Any additional information	View Document

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) during the last five years.

Response: 0

5.3.1.1 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-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description

Document

Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years

[View Document](#)

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The institute believes in giving opportunity to the students in supporting the authorities and the institute faculty in running the affairs of the institute. For this the institute provides them with opportunities to participate in the various academic and administrative bodies. The details of academic and administrative having students representation is as under:

Our college has incorporated students in several of its academic and administrative committees.

ACADEMIC WISE REPRESENTATIVES:

students from each section those who perform well in their studies and have leadership qualities are made student representative by the students and faculty they monitor the class and solve the issues faced by their class and bring it to notice of faculty which will be a major help to the faculty and students

ADMINISTRATIVE BODIES

Editorial Board: The Editorial Board comprises of Chief Editors, Editor and Students Editors. The Board invites articles writing from students and teachers and publishes them in the form of magazine periodically.

Extra-Curricular Committees: This Committee is constituted for each activity to promote the extra-curricular activities among the students. Culturally talented students are spotted by Committee members

and efforts are made to develop their skills and talents by encouragement, right training and performances.

Library Advisory Committee: This committee consists of Librarian, the teaching faculty and Students. The Committee is responsible for the maintenance of library books and journals, easy access of the students to the library facilities, students' facilities in the library such as reading rooms, drinking water, uninterrupted power supply, opening and closing times of library, availability of daily newspapers and the maintenance of library records. Suggestions are invited from the students and other readers for making the library atmosphere congenial.

Study Tour/Visits: Each department in consultation with students organize study tours and visits to industries/organization of repute. The other committees like Anti Ragging Committee, IEEE Student Committee, Class Representative Committee, sports committee, canteen committee, transport committee are in position where in students have their voice expressed and also experience management.

NSS Committee: To encourage the students about social responsibilities

Transport committee: To provide transportation facility to cover 70km radius both for students and staff

Alumina Coordination committee: To maintain a database of alumni, enabling them to reconnect and strengthen their relationships

Canteen Committee/Housekeeping/Hygiene/sanitation: To plan, organize, control and evaluates the needs of the canteen

Career Guidance, Training & Placement cell: To create placement avenues in different industries for all the eligible students

Anti Ragging: To form anti-ragging committee and take steps to prevent it **Hostel Committee:** To upgrade the facilities in the hostel

Department Association Committee: To conduct department wise technical events to develop the knowledge levels of the students and faculty

Entrepreneurship development program: Responsible for innovations in technical and managerial pedagogies

Website/ICT/Internet Committee: To collaborate with the campus web team to maintain current web standards.

File Description	Document
Any additional information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 40

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
50	45	40	35	30

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

ANIET has Alumni Association (AVN SMRUTHI) which meets yearly on 19th November.

- Alumni of the college are invited to campus to participate in seminars on career choices and planning to be successful in chosen career.
- The college also manages a network of alumni career advisors who keep talking to our students.
- Institution arranges interaction of alumni with the upcoming graduates to discuss on various matters related to their industry experience, exposure to latest trends in their respective fields and cutting edge technologies to mention a few.
- The Institution Conducts Alumni Survey from Alumni during Alumni Meet on November 19th every year on POs and PEOs.
- The feedback is taken to analyse the existing instructional quality and upgrading if necessary, to gauge the available infrastructural facilities, library facilities, computing facilities, games and sports facilities, training facilities, support to placement activity, etc. The feedback is compiled and all the suggestions are taken into consideration for effective improvements.
- Alumni contributed around 9lakhs during last five years

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

? 5 Lakhs

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 3 Lakhs - 4 Lakhs

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years**Response:** 20**5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
4	4	4	4	4

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document

Criterion 6 - 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

Response:

The institution AVNIET is initiated by the ideals of SRI SURYA EDUCATIONAL SOCIETY Educational Society(SSES), the management of the institute consists of a Governing Body with a panel of members as per norms of Society, nominees from industry, regulatory body like UGC, AICTE, Affiliating University and the State Government.

The institution has evolved a quality policy which is as follows: “To provide an integrated learning environment to enable students to grow towards their fullest potential and meet high expectations of industry and society.”

The entire envisioning, designing and formulation and implementation are done following intense deliberations by all members of the Governing Body.

The Governing Body functions subject to the existing provision in the bye-laws of the college and the rules laid down by the state government. The Principal of the college is the head of the institution providing the required leadership to the institution and its system. The principal ensures that all provision of the university bye-laws, statutes and the regulations are observed. He convenes the meetings of the Advisory councils, the Academic council, Board of Studies, Finance committee, planning and Monitoring Board, Selection Committees. He also over sees admission of students, recruitment of faculty, curricular programmes, student feedback, internal and external assessment, financial implication, course contents, co-curricular and extra-curricular activities.

AVNIET administration is led by the Principal, collectively with the help of HODs, and various functional heads. There is complete delegation of authority and responsibilities at AVNIET, and the administration functions through various appointed committees. Planning in the institute is collective “Bottom to Top” process. Requirements are gathered at functioning level and assessed and forwarded to administrative level. This results in a plan reflecting actual requirements. It is guided by vision and mission and willingness to fund any developmental expenditure by the Management.

The management encourages the participation of its entire staff in the process of decision-making and in the functioning of the institution. The college has constituted different Committees comprising of experienced faculty and students, and it plays an important role in the planning and implementation of activities in different spheres of functioning of the institute. The emphasis is on the Principal having a direct interaction with various stakeholders of the institute, as it plays a very important role in the smooth conduct of administration. Additionally, feedbacks and staff self-appraisal forms help the administration plan necessary course corrections.

AVNIET constantly tries to incorporate student centric learning by using “Outcome Based Education System”. The institute provides additional help to the students who need it and additional impetus to students who deserve it. It is ensured that education remains practical with emphasis on hands- on training.

The management has adopted a performance based increment policy which gives performance points to faculty members who involve in institutional developmental activities along with performance points for Teaching and Student Feedback. AVNIET organizes Faculty Development Programme with the support of all the departments and even the organizing bodies such as ISTE, IEEE and CSI; contribute to the faculty and student development.

File Description	Document
Any additional information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The Principal of the college has complete authority to administer the institute within the purview of the bye- laws, rules and regulations framed by the management, affiliating University, and the state government. At the beginning of the academic year, a self mapping or review exercise is conducted by the Institute Development and Monitoring Committee (IDMC-a Planning Monitoring and Quality Assurance body) which is assisted by HODs Committee, the Department Development and Monitoring Committee (DDMC). The IDMC is constituted by the management is the 'Principal Planning Body' of the institute and is responsible for the monitoring of the development programmes of the institute.

The Principal as the chairman of the board, includes six internal members and at least two external experts. Apart from the principal, the administrative officer, two deans/senior professors, two heads of the department and two senior associate professors form part of the body. They have the right to advice the general body and the academic council on any matter. The recommendations of the IDMC shall be placed before the governing body for consideration and approval. Proposals relating to academic matters may be processed through the academic affairs committee. This exercise exposes the strengths and challenges of each of the personnel to draw a potential plan, giving the management an insight for the distribution of responsibilities. The Principal appoints conveners for various institutional committees with the approval of the governing body, and further nominates the members of committees in consultation with the respective conveners based on the inputs and outcome of the reviews.

The committees carry out the activities and at the end of the academic year the conveners submit the reports of the work done to the head of the institution. All these activities are then evaluated by the IDMC. The faculties are then informed of their duties and responsibilities by the head of the institution in the scheduled staff meetings and departmental briefings.

The department which forms the fundamental building block of the Institute by and large the decision making role is that of the faculty. This form of decentralized functioning mechanism, empowers the departments and individual faculty with a great level of flexibility in academic administration, and helps the faculty in making decisions at the local level.

These decisions may also be subjected to review by the management and/or committees if situation warrants. The management gives suggestions on various aspects on the basis of Principals report and feedback it gets from the society. The suggestions of the management are communicated to the teaching

and nonteaching employees and implemented by the Principal. He also assigns specific duties to various academic and administrative bodies of the College on the basis of suggestions of the executive committee.

File Description	Document
Any additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

YES, AVNIET believes in continuous development and its plan has the following aspects:

1. To achieve recognition as a high quality academic institution for technical education in the state of Telangana in India and eventually at the global level, the strategies include expanding the Post-graduate program as a major part of educational offering, to continually review and innovate in the structure of the course, to recruit, develop and motivate high calibre diverse faculty and achieve Standard accreditation for all eligible PG courses

2. To be recognized as a Centre for creative solutions for technological problems and to develop latent, relevant and new technologies for India, the strategies give emphasis on stepping -up in-house R & D efforts and also to enter into collaborations with institutions and industry. To set up Centre for Creative Work involving select groups of students and teachers with creative skills working in boundless space. To achieve focus on research and training through integrated industry-institute interaction. Promotion of entrepreneurship among students become more of job providers and to set up technology incubation centre to provide initial infra structural support for budding young entrepreneurs.

3. To enable students to acquire technological knowledge that is at once modern and relevant to the needs of the industry. Strategies include providing state-of-the art infrastructure and learning resources, to involve students as partners in the process of deciding what to teach and how to learn. To develop a sense of lifelong learning as a norm and to provide real -world experience in collaboration with industry.

4. To enable students to mature into responsible citizens through integrated character development programmes. Strategies include provision of a well rounded collegiate experience by involving them time and facilities for healthy co-curricular and extracurricular activities, to help students to develop value systems with a balanced mind. To inculcate as sense of environmental responsibilities and sustainable development, to emphasize the need to realize the importance of development of society as a whole as opposed to development of self at others cost.

5. To provide students with equitable and affordable technical education of the highest quality. To provide equal admission opportunities to students from all sections of society. To introduce a generous system of scholarships to bring education within the range of affordability to all and to introduce special handholding measures to the not-so-gifted students requiring additional attention.

File Description	Document
Any additional information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The Institution has a very efficient feedback monitoring and redressal system. The system follows a 'bi-directional flow processes in addressing feedbacks, suggestions and redressal actions. They are the "Bottom Up- for Developmental suggestions and the Top-Down- for Monitoring". In the 'bottom-up' approach the information and suggestions are sourced from the stakeholders of the institution namely the students, staff, parents, alumni, industry and the society. The feedback from students and staff are collected in a format, from parents- on parent interaction day and class coordinator committees.

The recommendations and implementation takes a 'top-down' approach where in the Governing Body gives feedback on actions to be taken and is passed down to the various Committees for localized implementation and monitoring to the satisfaction of all the stake holders, so that the environment is conducive for learning.

Decision making Process:

- Secretary of AVNIET in association with The Principal and Governing Body Members is mainly responsible for development of Objectives, Strategies and Goals of the institution to satisfy the global requirements of stakeholders in a broad manner.
- Principal under the guidance of the Secretary will translate institutional Objectives, Strategies and Goals to the various departments based on their relative specialization; so as to provide its best to empower the students to secure higher education and employment opportunities.
- Faculty-Recruitment will be done as per university norms. Principal is the Chairman Recruitment & Selection Board for the Institution, where Head(s) are members. On the recommendations of board, Principal finalizes the faculty member(s) to be appointed.
- HODs in association with faculty members is responsible to develop Course Objectives, Course Outcomes, Course Mapping Matrix, ILOs, Course Files, Evaluation Mechanism.
- The institute has designed its Organization Structure with various departments and decentralized its administration through its Organizational Chart.
- Faculty In-charges and Student representatives of each department will represent their academic, administrative and R&D requirements if any and submit to the HOD. HOD forwards the representation to the PRINCIPAL for approval. The PRINCIPAL refers to the representation so received from HOD for recommendations and approval of the respective committee. On recommendations of Committee, The Principal sends the same to the Secretary for final approval.

- All recurring and non recurring purchase proposals are invariably referred to CAO(Admn) and then sent to purchases committee for approvals. However, it is the responsibility of Purchases and Stores Department to float quotations, bargain, negotiate, place orders on recommendations of department(s) technical specifications.

The institute has well defined system for redress of grievance and has procedures for both students and staff. All grievances are locally addressed within the concerned department under the leadership of the head of department and the matter is promptly and effectively disposed. This committee discusses the matter with Principal to solve the problem. The institute nominates a senior women faculty who is selected by the members of the Grievances cell for the purpose of catering to the grievances and other needs of women students and staff. Women Development Cell looks after sexual harassment cases specifically.

File Description	Document
Any additional information	View Document

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

- A. All 5 of the above**
- B. Any 4 of the above**
- C. Any 3 of the above**
- D. Any 2 of the above**

Response: A. All 5 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development, Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Secretary of AVNIET in association with The Principal and Governing Body Members is mainly responsible for development of Objectives, Strategies and Goals of the institution to satisfy the global requirements of stakeholders in a broad manner. Principal under the guidance of the Secretary will translate institutional Objectives, Strategies and Goals to the various departments based on their relative specialization; so as to provide its best to empower the students to secure higher education and employment opportunities across world. Principal in association with Dean(s) and HODs of various academic and administrative units develop Objectives, Strategies, Goals and Budgets to the various departments.

Faculty-Recruitment will be done as per affiliating university norms. Faculty Quality-Mix and Cadre Ratio will be decided by the Secretary and Principal and advise the Dean(s) and Heads to explore suitable staff members in that direction. Principal is the Chairman Recruitment and Selection Board for the Institution, where all Dean(s) and Head(s) are members. On the recommendations of board, Principal finalizes the faculty member(s) to be appointed. All appointments made by The Principal will be ratified by The Secretary in the Governing Body. It is the responsibility of Departmental Heads and Dean(s) to develop short term Strategies, Goals, Tactics and Budgets to various Academic Programmes and get approved by The Principal. HODs in association with faculty members is responsible to develop Course Objectives, Course Outcomes, Course Mapping Matrix, ILOs, Course Files, Evaluation Mechanism, The Principal bridges the gaps between the students and management. The institute has designed its Organization Structure with various departments and decentralized its administration through its Organizational Chart. Most of the times, MBE(Management by Exception) may be followed for execution of various day to day and routine functions of the institution by The Principal through Dean(s) and Heads of the various departments. Faculty In-charges and Student representatives of each department will represent their academic, administrative and R&D requirements if any and submit to the HOD. HOD forwards the representation to the PRINCIPAL for approval. The PRINCIPAL refers to the representation so received from HOD for recommendations and approval of the respective committee. On recommendations of Committee, The Principal sends the same to the Secretary for final approval. Any requirements like consumables and non-consumables in labs, office and computer requirement, text and reference books and journals and e-learning resources are proposed by the faculty through heads. They are referred to the respective committees for final recommendation and procurement. The Principal integrates the duties, responsibilities, scope, role and functions of the Dean(s), HOD(s), Section-in-charge(s), Chairman(s),

Coordinator(s), Convener(s) of various departments, cells and committees; so as to translate institution's objectives and goals more effectively and efficiently. Occasionally to relieve heads from the pressure of work and to save delay in decision-making; institution forms committees.

However, all the in-charges of all committees will directly report to the Principal superseding the routine hierarchy for administrative reasons.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

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

Response:

Following are the some of the efforts in this direction:

- FDPs and Workshops on Pedagogy for newly appointed staff.
- Senior Faculty Members of the department act as resource persons in the college FDPs/Workshops/Seminars/Conferences/Technical Paper Contests.
- Faculty are sent to National and International FDPs/Workshops/Seminars/Conferences/ Short-Term Courses with needy financial assistance which include Registration Fees, Traveling Allowance, Local Conveyance, Lodging and Boarding Expenses within and outside the state.
- Presentations by the Heads to The Principal and Secretary about the achievements of the departments. • Departmental strategies to further improve the quality of TLP.
- Department's academic and R&D plan for forthcoming semesters.
- Departments are well-equipped to enhance advanced and self learning modules.
- Institute has tie-ups with IUCE Webinars, Online NPTEL Audio Visual lectures.
- Financial and Non Financial Motivation/Incentives for Higher qualification and QIP
- Financial assistance to the faculty members, interested to get registered to obtain memberships in professional associations.

- Financial assistance to the Technical Training Programmes for Technical and Non Teaching Staff members.
- Financial and Non Financial Incentives to the faculty members for publishing in national and international journals.
- Senior Faculty Members Train the Technical Staff in labs periodically for better maintenance of equipment.
- Skill development programs such as Soft-Skills and Computer Knowledge on MS Office Tools are organized both for Teaching and Non teaching staff for better documentation and filing.

The following are the some of the schemes / benefits offered by the Institution.

- EPF contribution by Management to all the eligible staff members.
- Free Medical facility at the institute
- Subsidized transport to needy staff members
- Vehicles and Bus Passes to the Runners/Messengers.
- Public transport Bus Passes to all drivers.
- Special Allowance to Training and Placement Officers
- Need Based Financial Assistance to staff
- Cell-Phones and Laptops to HODs for better connectivity and networking.
- CLs, HPLs, CCL, Medical Leave and Examination Leave as per their eligibility.
- Maternity Leave in case of female employees
- Special Leave on the occasion of marriage to staff
- Health Awareness camps within campus and Free Medical Check-ups.
- Sports and Cultural activities to staff at the time of annual day celebrations
- Fee concession to children of staff members who are studying in AVNIET and DILSUKHNAGAR PUBLIC SCHOOL.
- Financial assistance for higher studies.
 - Canteen facility for students and staff.

File Description	Document
Any additional information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 70.56

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

2018-19	2017-18	2016-17	2015-16	2014-15
123	119	123	148	120

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 18.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
25	22	20	15	10

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five

years

Response: 74.71

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
124	121	153	135	137

File Description	Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

Well-Structured Self Appraisal Report form is already in use for assessment of Performance of faculty members.

- At the end of the academic year, the faculty members have to fill the details of their academic, administrative, R&D and Consultancy activities during their Service in general and last academic year in particular, to assess them for future training, increment and promotion.
- Appraisal form covers various aspects of teaching, mentoring, feedback, performance of students in that course, publications, organizing and attending FDPs etc., and focus on all-round development of faculty members in light of Outcome Based Education and in the interest of stakeholders. Performance appraisal forms are reviewed by Principal and Secretary for betterment of faculty career and to address the stakeholders needs in light of OBE.
- Advise on suitable remedial measures on various academic, administrative and R&D for retention of valuable services of the faculty.
- In inevitable cases, a final recommendation and opinion of HOD will be considered for further action and intimate the same to GB with explanation for such severe action by the institute.
 - Institutional opinion and final decision will be communicated to the respective faculty member through HODs

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The Governing Body of the college consisting of university and AICTE nominee, management representatives and other industry and academic members preview financial year budget proposals including Income & Expenditure (both recurring and nonrecurring) details. The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building infrastructure and other maintenance expenses.

The college has an **internal audit system** where the utilization of various resources, and the related receipts, bills and vouchers, supporting documents are verified periodically to ensure proper utilization of the resources.

External:

External Audit Committee verifies the income and expenditure details of the college as per the balance sheet.

Then all the statements are recommended for External Audit.

There will be statutory financial audit by the External Audit Agency who is a qualified Chartered Accountant recognized by ICAI. External Statutory Audit is conducted without the institution's interference.

File Description	Document
Any additional information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 20

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
4.5	4	6.5	2.5	2.5

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Annual statements of accounts	View Document

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

Response:

The institute's major sources of funding are as follows:

Total fee collected from the students. Grants received from RD&C services. Grants received from the sponsoring agency toward Seminars and Conferences. AVNIET Endowment Fund from well wishers and alumni. Revenue generated through consultancy and lending services for examinations.

AVNIET manages its funds through budgets:

As and when, the institution experiences shortage of funds; funds would be generated as a loan from SRI SURYA EDUCATIONAL SOCIETIES which is a non-interest bearing fund. Occasionally, institution also raises interest-bearing loans from Bank for smooth functioning of the institution.

The audited income and expenditure statement of academic and administrative activities available in the Institutional Website. Various steps are being taken by the institute to generate additional funds. The institution organizes seminars and conferences. The expenditure for the conduct of these seminar and conferences is met by the grants received from the sponsoring agencies.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

AVNIET has evolved and tested an efficient system of maintaining internal quality assurance from within the existing academic and administrative system. The academic quality of the institution can only be ensured when policies, procedures, aims, objectives being clearly spelt out, understood by all and implemented, monitored with appropriate feedback and corrective mechanisms in place. This demands good administrative quality. The academic quality of the institution is evaluated on the basis of the performance of the students in their examinations covering both the internal and external examinations and also by placement and performance in co- curricular activities within and outside the college. The faculty evaluates the student's academic abilities by way of class quiz, assignments /projects and written tests.

The academically weak students are helped by the teachers during tutorial hours to improve their academic quality also by taking extra classes and providing literature. Head of the Institution through Dean, Academic Affairs and HODs ensures proper delivery of the material and timely completion of course as per syllabus in time. The Academic Affairs committee council in the administrative system looks after the quality education in the institution. Apart from this committee, Advisory Board, Departmental Monitoring Committee, Class Coordinating Committee, HODs Meetings, the Library Committee, the Finance Committee all contribute to the quality assurance.

The Management of the institute has accepted quite a few of the recommendations of the Institutional Developmental and Monitoring Committee such as :

1. Instituting incentive scheme to staff based on academic performance
2. Preparation of new and updated AVNIET Manual.
3. A feedback system for stakeholders
4. Road shows for Mini Projects
5. Periodic internal auditing of departments in terms of facilities, procedures, documents and suggestion for corrective action.

All the above recommendations came into existence making the environment more structured and quality oriented. The institution has internalized the best practices in order to improve the functioning of the

academic and administrative systems. The insistence on student's participation in academic and administrative matters has improved the quality of the education and administration in the institution. The administration in the institution is maintained by the involvement of the staff at every level.

AVNIET has an Alumni Association, which regularly meets and interacts with the management. It is the flag bearer of the developments in the institution. The Alumni organizes lectures on personality development, helping in holding interactive sessions to motivate students, influencing industries and other agencies in getting placements for the institution. Each year 19th, November is scheduled for 'Alumni meet'.

The functions of quality assurance are inherently part of the defined roles of Institutional Development and Monitoring Board, and the Academic Affairs Committee of the institution. The Institutional Development and Monitoring Board monitors the development programmes and advises the Governing Body on any matter it considers necessary to fulfil the objectives of the institution. The Academic Affairs Committee is vested with powers and responsibilities to identify measures to upgrade and provide quality assurance in respect of academics, and put up the recommendations to the Governing Body.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

The Internal Quality Assurance Cell conducts academic audit of the department annually. All the Heads of the departments present the activities and achievements of their respective departments in each Administrative and Academic Audit form which is essentially based on NBA format. Constructive criticism is offered by the audit committee that includes external members also. Based on the recommendations of academic audit, specific measures have been taken by the college to improve teaching, learning and evaluation.

They are: Improvement of library facilities Organization of seminars and workshops for the faculty and staff to further improve their skills Staff are encouraged to publish their research work and engage in research activities.

Quality of classroom instruction, course files, lab experiments and lab manuals, assignments, question papers for internal assessment, tutorial sessions etc. Maintenance of a teacher's diary to record work done by teachers Publishing newsletters / magazines etc.

To showcase creative exhibits and the activities of the departments Subscribing to on-line journals. Improving extension activities Optimum utilization of e-journals.

More ICT enabled / innovative teaching Conducting Value education classes Starting short term courses In addition, college gets the audit by external agency. Four UG programs in process for NBA accreditation. Applied for reaccreditation of the UG programs. ICTs, a highly reputed Engineering and IT services company also conducted its audit for conducting campus placements in the college.

Continuous review of the teaching takes place in the college by considering the inputs from the students' feedback. These inputs are not only used to highlight the major drawbacks of the teaching-learning mechanism adopted by the college but also to evaluate the teaching ability of the faculty so that a corrective action can be taken to minimize the deviation from the desired target.

The following institutional mechanisms are in place to continuously review the teaching learning process.

The Internal Quality Assurance Cell: It is the body that initiates quality measures and reviews the teaching-learning process.

Structure :

The IQAC headed by the Principal includes coordinator, external experts, and members from the management, teaching and non-teaching staff, students, alumni and the local community.

The college academic committee: It sets the academic framework for each year and meets at least once a month to review and discuss matters. It also monitors the day to day functioning of the College

Structure:

The college Academic Committee includes the Principal as the Chairperson, Heads of the departments, Deans and senior faculty members (All professors) from the faculty. The methodologies adopted to review the teaching learning process are:

Weekly reports are collected from faculty on the progress made towards the timely completion of syllabus. Monitoring sessions to provide students with personalized support are regularly held. Students attendance and Mentor books are observed on a fortnightly basis.

Three separate students' counsellors are available for each section, who act as mentor to the In addition a class adviser is provided to each section. Detailed lesson plan and subject-wise lecture notes are required to be provided by each faculty member. The faculty members have to furnish assignments to students for their assessment. A copy of the same is also sent to the Head of the department. Lab manuals are prepared by the institution and made available to the student so that the students can correlate their theoretical concepts with practical application in more refined manner. Assignments, test papers, tutorials, seminars, workshops, doubt clearing sessions and evaluation of results. ICT enabled teaching methods are encouraged. Tutorial sessions and remedial classes are conducted to help slow learners, who are identified

by means of an entry level test and from their performance in class tests. Head of the department reviews the progress of the syllabi, the performance of the faculty and performance of the students. The department level activities are regulated and monitored by the Head of the department. The progress report of the departments is conveyed to the Principal by the respective heads of the departments. College Academic Committee meets every week and department faculty / staff meetings are held every fortnight that help to review teaching-learning and evaluation process. Parent-teacher meetings are held regularly to inform the parents about the performance of their wards and instructions are given for improvement. Parents can also see their ward's performance through college portal. Feedback is collected from students regarding teachers as well as the facilities offered by the institution. The IQAC analyses the feedback and communicates the results to the Principal and Manager for suitable action. Examination results are analysed and reviewed. Strategies for improvement are devised and implemented. An academic audit is conducted by the IQAC to review the teaching-learning process.

The Research Committee:

It reviews and promotes the research activities of the College. It monitors applications for research projects and the progress of sanctioned projects.

Structure:

Chaired by Principal, it consists of a convener / coordinator and all Ph.D. holders of the College as members.

The committee conducts sessions for faculty and motivates them to do research by stressing on the aspect that teaching and research go together.

It also informs the faculty that their research should be brought into the class room in the sense that their research should be well connected to the students' curriculum and should facilitate students with the emerging trends in the area of their study for a progressive long term career.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 36

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
53	44	35	28	20

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: C. Any 2 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

AVNIET has framed several strategies in order to enhance the quality of education.

These have been so framed so as to effect and buttress and reinforce the quality changes required for the progress and development of the college. The criterion is comparable and contemporary to those laid down by standard organization.

The procedures adopted for admissions to various courses at the institute are based on student's academic records and their rank in the EAMCET, ICET and PGCET. The rules and regulations set by the affiliating University and the State Government are strictly followed for students' admission. The institute has made provision for assessing students' knowledge and skill for particular programme soon after a student is admitted to a course of study. Apart from the lecture method of teaching, group discussion, field studies, debates, tutorials, seminars, study tours etc. are adopted for proper understanding of the subjects. The evaluation methods are communicated to the students by the faculty in the class rooms and also displayed on the notice board of the respective departments.

The Institute has well experienced faculty members.

Research & Development:

The assessment of Research and Development- an important criteria of institutional functioning is based on the key aspects of its ability to promote and sustain healthy research culture, freedom to publish results of research, use of consultancy, healthy participation in extension programmes and organizing conferences. Many faculty of the college are engaged in active research work. The institute is proud to have two young scientist awardees from premier funding agencies. The institute has organized work shop on Research Methodologies for faculties and research scholars.

Community Engagement:

The NSS Programme officer of AVNIET co-ordinates various extension activities of the college so far as the development is concerned. College also engages many organizations like Red Cross and N.G.Os for holding blood donation camp, NSS camps, free medical check-up, youth festivals, Tree plantations investing time and efforts with community.

Human Resource Management:

The institute has a very efficient and adequate process for assessing human power requirements, staff

recruitment, monitoring and planning professional development programmes for personnel development and for seeking appropriate feedback responses. The institute has an instruction manual for all staff also referred as the 'Red Book' in which all policies of the institute is listed.

Industry Interaction:

The institute untiringly and constantly interacts with various local as well as outside institutes and industry to expose both staff and students to the real time world and to encourage them to excel in areas which will benefit them.

NAAC

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 120

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
28	26	24	22	20

File Description	Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document
Any additional information	View Document

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

Gender sensitization” is an activity based course which is included in the curriculum. The subject is aimed at creating awareness of the problems faced by genders.

The institution has taken much care to introduce a culture in expressing a controlled behaviour, discipline, gender sensitization, respect to elders, environmental awareness, healthy relationships, empathy and sympathy etc.

College does not show any variation for male and female students in laboratories, class rooms etc. Students attend the labs batch wise which includes girls & boys’ students. Class In-charges counsel their students about the gender sensitization. Establishment of women empowerment and grievance cell like “SHE TEAM”, has been initiated in the college

Various mobile apps, help lines, contact numbers of lady faculty in charge of the women cell are provided

to the girl community in the college.

Traditional games for boys and girls as part of our culture are organized and Common Room facility has been provided.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 46.42

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 62946

7.1.3.2 Total annual power requirement (in KWH)

Response: 135600

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Any additional information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 71.24

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 19320

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 27120

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

7.1.5 Waste Management steps including:

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Swachh Bharat Abhiyan (SBA) is a campaign in India started by Hon'ble Prime Minister which aims to maintain cleanliness everywhere. In response to this campaign SVIET conducts frequent activities like cleaning of roads, awareness on proper waste disposal etc.

Waste Management steps including:

Solid waste management:

The solid wastes in the campus are disposed in a systematic way. Different color dustbins are provided in the whole college at respective places to collect the solid waste. The cleaning staff collects the waste from the bins on a regular basis at 08:00 to 09:00 am and after 5:00 pm every day. All these solid wastes are properly disposed by the workers by dumping them in the yards outside the college.

Liquid waste management:

Waste water from the points of generation like the canteen and toilet in both hostel and college is

segregated and let out through common drainage facility to a waste water tank at the corner in the campus. This helps to maintain and improve ground water levels.

E-waste management:

Due to frequent advancement in the technology various electronic equipments/ products/gadgets tend to become obsolete and hence there is a need of E-waste management. We have adopted an alternative approach to reduce the volume of E-waste generation by adopting the following procedures. Buy back system which includes giving systems back to the company from where they are purchased. Donate old workable electronic equipment to poor students from rural areas. Reuse this equipment after slight modifications to the original functioning equipment. This college does not produce any hazardous waste. The waste produced include paper, horticultural waste and left over eatables. Such wastes are disposed off through certified agencies.

No burning is permitted in campus.

The e-waste including old PCs/ Printers/Mediums/Batteries etc., is disposed through authorized agencies. College works on the principle of minimizing e-waste and promotes refill and reuse. Both side printing, reduced intensity prints/ draft prints to minimize ink usage are used.

Students and faculty members are discouraged from using cell phones in the campus.

Segregation of waste into wet, dry, bio-degradable, e-waste and hazardous, and colour coding of waste. Crockery and broken glassware of any sort is considered hazardous waste and are disposed appropriately. Use of plastic bags discouraged within the premises of the college.

File Description	Document
Any additional information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

It is a known fact to all of us that water is the basis of all living beings on the earth. Especially countries like India depend on rains and snowfall for its agriculture. Unfortunately, during heavy rains most of the water is being wasted to rivers and seas. Therefore, rainwater harvesting became necessary step which everyone should practice. When there is a downpour and saved in rain fed tanks and other artificial tanks to use it for future purposes. AVNIET has a good practice of harvesting this rainwater in a pond through soak pits arranged in different places during rainy season and uses it throughout the year. Using this harnessed water, we grow various trees, and plants. This water is used to maintain a green and healthy garden with lawn and other beautiful flowers. Rain water harvesting system ensured that both of our bore wells are always kept recharged and hence the campus has not felt scarcity of water for many years.

File Description	Document
Any additional information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Staff and students are discouraged to use vehicles inside the campus.

All the college bus engines are regularly checked for carbon emission and necessary maintenance are carried out.

Public transportation is greatly encouraged as AVNIET has conducted a rideshare program for several

years. The program offers incentives to encourage faculty, staff and students to carpool and use public and alternative forms of transportation whenever possible.

AVNIET have taken to encourage a pedestrian-friendly environment in campus. The objective is to make the walk to campus safer for students.

The paperless office is a concept that has been welcomed into the technological age with open arms. AVNIET has successfully implemented digital documentation knows the benefits that are capable of being utilized. Students admission, Exam credentials, attendance practices that have been in place for years can change with a paperless environment, which can make the transition to document management a bit difficult for some staff to comprehend at first. Knowing the process and how it works can definitely help.

The institution is very much committed to preserve and protect its complete environment. The green cover encompasses 40% of the campus land area with various shady trees like Delonix, Pongamia, Palm and Neem species alongside the lush green lawns endowed with various crotons and supported by hedges, Ashokas. The institute has taken its share of social responsibility in reducing carbon emission through renewable energy source like solar energy for Library. The conventional lighting is steadily replaced with CFL and LED lamps. There is an adequate mechanism prevailing in the institute for maintaining and protecting the green environment. A scheme is under active consideration for recharging bore wells from rainwater and also diverting the silage for garden plantation. The institute at its own level has taken up certain preventive measures to check the emission of carbon dioxide.

However, the college is taking all steps to conduct a Green Audit of the campus and facilities in the near future.

The college protects the rich vegetation on the campus and plants tress every year. The Eco-Club organizes a variety of events to revive and maintain the greenery of the campus. Special days such as World Forest Day, World Environment Day, Earth Day, etc. are observed in the College to create environmental awareness among the students and the staff. Separate waste bins are kept at necessary places to collect waste and prevent littering of the campus. Rain water harvesting is conducted successfully. A wide variety of awareness programs on protection of nature, pollution control and campus hygiene are conducted by the NSS unit of the College. The trees in the campus help to maintain the campus green and healthy. Every department actively involves in cultivation activities. National seminars with themes related to ecology and environment were conducted by the department of Science and Humanities. Concerns about climate change and environmental studies are part of the curriculum of the common course “Environmental Science” prescribed for all the students.

File Description	Document
Any additional information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 1.42

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
3.02	2.69	8.86	18.17	9.77

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 105

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
33	22	20	15	15

File Description**Document**

Number of Specific initiatives to address locational advantages and disadvantages

[View Document](#)

Any additional information

[View Document](#)**7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)****Response: 138**

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
35	30	28	25	20

File Description**Document**

Report of the event

[View Document](#)**7.1.12****Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal / Officials and support staff****Response: Yes****File Description****Document**

Any additional information

[View Document](#)

URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics

[View Document](#)

7.1.13 Display of core values in the institution and on its website	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations	
Response: Yes	
File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics	
Response: Yes	
File Description	Document
Any additional information	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 35

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
7	7	7	7	7

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Republic Day: 26th January

Independence day: 15th August

Mahatma Gandhi Birth day: 2nd October

B.R. Ambedkar Jayanthi: 14th April

Teachers Day: 5th September

Engineers Day: 15th September

Women's Day: 8th March

World Health Day: 7th April

NSS Day: 24th September

The women's development cell was formed for the overall development and welfare of women staff of AVNIET. The cell currently has 85 teaching & non-teaching staff. The cell celebrates International Women's day on 8th March every year. It also deals with sexual harassment cases if any; so far no such cases are reported.

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

The financial resources of the institute are managed in a very effective and fool proof manner. There is fully computerized accounts department in the institute.

The following three types of accounts are created: · Income & Expenditure Accounts. · Balance Sheets

Each and every transaction is supported by the vouchers. All the collections are in the bank and all expenditure, recurring and non-recurring, are incurred through cheques. Only duly authorized persons can operate through the bank. For effective check on the accounts, the two tier system is followed- the internal and the external audit on a continuous basis. For efficient use of the financial resources, the budget is prepared.

The institution is a private unaided institute, the accounts of the institute are audited by the External and Internal Qualified Chartered Accountant each year. The last audit was done in the month for the year ending 2016 and there is no audit pending. If case of any objection the same is complied in total before the finalization of accounts. The audited report by the external CA is placed before the Management for vetting and rectification, if any. The qualified remarks if any, given by the auditor are taken into consideration.

File Description	Document
Any additional information	View Document

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice-1

Title of the practice : Inculcation,innovation and incubation of Knowledge blend in globally emerging trends to enrich the empowerment,entrepreneurship and an attitude of continuous learning.

Goal:

To initiate training and various certification courses by various industrial experts to all the students right from 2nd year.

To conduct Seminars and Guest Lectures by experienced faculty and HRs from industry.

To provide study material prepared by experts. To train the students in the fields of soft skills, communication skills, intrapersonal skills and preparing them to face interviews and get better placement.

Involve the students right from first year to final year to understand the importance of career building, industrial jobs and entrepreneurship.

The Context

Most of the students have vernacular back ground who have come from villages, other states. Besides communication having a recap and in time memory of the academic concept is a big challenge for them.

Many of the students may not have basic concepts of the subjects as they were not taught about the importance of basic concepts at Intermediate level.

Students are not aware of the skills required for employability.

The Practice

AVNIET has training course like CRT- Campus Recruitment Training program according to which students have training with all the aptitude/logical reasoning besides technical training.

Special slots are been allotted students from Telugu medium background for Spoken English classes on every Wednesday, Thursday and Friday.

The college is organizing various co-curricular and extra-curricular activities through student initiated clubs for enabling all round development. Students are being encouraged to attend summer projects / internships in the industries/prestigious academic institutions to acquire practical knowledge.

Industrial visits are being arranged for practical exposure to students.

E-Journals/Magazines are provided in the library to know about the new technologies and research trends.

Eminent speakers from industry and prestigious academic institutes are being invited for delivering guest lectures on latest technologies.

All departments are conducting technical events through their clubs / associations on current trends & technologies to improve the technical knowledge of the students.

Students use the Internet facility beyond the working hours to learn about the latest technologies. The college encourages the students to attend workshops / student meets / paper presentations to improve their technical and presentation skills. The institute is encouraging the students to become members of professional bodies like CSI, IEEE, IEI and IETE etc., and various events are being organized under these professional bodies to improve their skills. Personality Development programme for First years is

organized.

Evidence of Success

The change in the behavior & communication of the students from first year to final year is an ample testimony for the success of the programs being organized.

The prizes / awards won by the students in technical and other events emphasize the impact of the programs.

The performance of the students in placements is an indication of the success of the programs being organized.

The Placement attainment percentage has increased to a greater extent.

Students are recruited and are found to be progressing well in top companies.

Problems Encountered

Lack of goal setting among students

Reluctance of the students to allocate time for all courses along with academics Resources Required

Online test lab

Inclusion of online test in the Academic time table

Technical training as per industrys needs.

Best Practice-II.

Fusion of “Learner-centric “ Pedagogy to Apply, compare, practice and perform in embedding the skill, knowledge,behaviour with career professional accomplishment.

Goal:

The main goal of the center is to make the students discover their inner potential and strive to attain success in their chosen field. The center helps the students in identifying their talents, interests and values in making right career choices. It lends its full support to students in academic planning and exploring future professional and placement opportunities available as per the changing global economy

The Context:

The college has decided to implement this center keeping in mind the changing market situation, volatile industry growth and demands, and availability of more number of opportunities to students but lack of proper understanding about the opportunities among the student community. With this humble thought the college has formed a center with the head of the institution as the chairman. In the process of functioning of the center it is observed that it is practically difficult in developing a common competence framework. The center demands a diverse workforce operating through both developed and assorted networks at all levels. The career guidance has to be widely available to a large group of students. Sometimes it is little difficult to accomplish the needs of the students at an optimum level.

The Practice:

The center actually starts working making the students remember Socrates and his valid statement 'Know thyself'. The students are made to understand about themselves thoroughly. To achieve this, few questions that test their skills, aptitude, interests and goals are prepared and they are expected to answer the same after a thorough introspection. This can be considered as the first stage of the practice. With the attained clarity by answering the questions, the students are ready to brainstorm on various career options available. This is the second stage, which can be called as planning stage. Finally an interactive session is conducted with the students based on their goals and their Strengths.

This kind of planning to make the students realize their potential and inner talent is definitely a unique practice to be implemented in higher education. The practice emphasizes and believes that 21st century illiterate is not a person who does not know how to read or write, but a person who cannot learn, unlearn and relearn. The center strives to bring in all the three phases among the students.

Evidence of Success:

It has been observed that more number of students are showing interest in pursuing higher studies in less known careers as well. The Alumni survey report clearly talks about the volunteering nature of the students of AVNIET.. The Alumni is ready to talk to their juniors on various career choices available. This is made possible with the efforts of the active center in the college.

Problems encountered and Resources Required:

Major constraints or rather challenges in developing the center is less motivating and interest in this direction among the middle cadre or young faculty joining teaching profession. The students find it difficult to prioritize their challenges, even after the guidance, because of family or societal constraints. Limited number of faculty with an orientation towards career guidance, and less number of trained in-house faculty. As a result, guest lectures on the importance of ethical behavior and proper code of conduct is provided to students at regular intervals by experts. This has turned to be a costly affair to colleges, especially to self-financed colleges. To be an active member of the center, people involvement should be constantly updated themselves in all walks of life. Though the questions framed to understand their inner potential apparently look simple, yet it is difficult for them to answer. The first stage demands a lot of attention by the senior and experienced faculty involved in the centre and requires a lot of clarity and positive thought process and passion to perform even among the faculty involved.

File Description	Document
Any additional information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

*State of art-Infrastructure

* State of art-Laboratories

The standard of any educational institution is generally measured by its academic excellence and the success in placements. It is to meet this vital requirement and the competitive standard to achieve this target, the Communication & Soft skills (CSS) Department was established to train students in the areas of Aptitude, Reasoning, verbal and Soft Skills.

CSS & Placement Cell has been instrumental in associating itself with corporate giants to conduct various Industry Institute initiatives. Various technical and literary events are conducted to practically enhance communicative abilities to face emerging challenges in the context of globalization.

It is the Department of CSS with its Campus Recruitment Training Program (CRTP) that proclaims the academic and professional uniqueness of our institution.

It follows a stringent procedure where the student can best imbibe the applicative methodology in the areas of Soft skills Technical, Verbal, Aptitude & Reasoning Skills. Apart from the formal structure of the course which covers the updated pattern of the examination and selection process of the leading companies, every student is trained with the practical concepts of soft skills, personality development and English language.

The student is rigorously trained to be independent and non-imitative in his constructive and objective-oriented thinking. He/she is guided with the instant sensibility of the areas of knowledge not only related to the Multi-National Companies (MNCs) but also to the competing at the global standards.

The efforts of the department's committed and industrious team have succeeded in bringing out the ideal champions who have really set ablaze more successors as a fruitful consequence. With CRTP course, the department of CSS has certainly added many feathers in the cap of our esteemed and prosperous institution. The humble beginning of the course has become a source of inspiration even to the faculty of the other departments and even other colleges apart from the students of this course.

Comparatively the CSS has set itself a model by making a striking difference among many other renowned colleges. Besides this account, it never slows down its pace in exploring the upgrades of competitive learning for the welfare of the student expertise to put him/her into the mainstream of the progress in

advancement.

To enable the student with more acquaintance practice and the higher level of knowledge, the CRTP course has initiated to offer this course from the earlier stage of the second year B.Tech itself along with regular academics, so that the student will be well versed with the concepts and relevant practice pertaining to the aspects required for placements. Particularly in the second year of the B.Tech, the student will be laid with a strong foundation of all the fundamental concepts. So to the credit of AVNIET, the department of CSS has stood a model for many other colleges in its exceptional methodology.

Another important contribution of the CRTP is, it organizes a pre-placement training where the students will certainly overcome all their difficulties and will be ready with ample self-confidence

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

In the last 10 years of existence, AVNIET has emerged as one of the leading technical education institutes in the Telengana State and India. The serene beauty of AVNIET with sylvan surroundings to pursue academics. The institute constantly strives for excellence through its vision and mission

AVNIET is proud that its graduates are highly appreciated by their employers. In its relentless pursuit for academic excellence, AVNIET has scaled great heights globally. AVNIET is ranked top in many other surveys.

The emphasis has always been on quality education through holistic approach with a wide range of co-curricular and extra-curricular programmes and activities.

Training and Placement Office (TPO) was established with a prime objective of creating career opportunities in reputed corporate companies. It was instrumental in entering into MoU's with reputed corporate giants in conducting various Industry Institute initiatives.

AVNIET has earmarked a research fund to nurture and harness research talent among the students and faculty of various disciplines.

The institute has established a state of the art Library and Information Centre . It has modern infrastructure facilities with a spacious reading hall which accommodates more than 200 students at a time. It has 27000+ volumes of books and subscribed E-Journal packages including IEEE for Engg, MBA courses, in addition to hard copies of National / International Journals. AVNIET established an e-learning resource centre .

Through its excellent sports facilities and gymnasium. AVNIET provides excellent transportation facilities with a fleet of buses operated separately for students and staff.

Concluding Remarks :

The Vision and Mission of the institute and its belief remains steadfast and is stably directed at achieving them despite the vagaries of socio-political, economical upheavals.

Suitable measures are in place to identify and to meet the needs of slow, differently abled and advanced learners. There is an effective counseling mechanism.

AVNIET is committed to academic and applied research and development through a Research Committee and a Technology Cell. Institute has obtained research grants from major funding agencies. True to its belief, that "every project should become a product and every product should lead to patent", the institute designs develops and supplies ECE lab equipment for both internal use and to other colleges.

AVNIET is having ample infrastructure consisting of class rooms, labs, staff rooms, e-class rooms, special labs for communication and skill development, office, health centre, play ground, modern gym, alternate power sources, transport system, canteen, drinking water facility etc. The green and serene surroundings with environmental enhancers like rain harvesting, RO plant, energy savers, alternate energy sources and green

audit.

AVNIET has a good placement record with 60-70% finding placements on and off campuses, 20-30% opting for higher studies in engineering and management in India and overseas and 2-5% starting or plunging into family businesses.

AVNIET endeavors to achieve its objectives through its team of dedicated, experienced Board of Governors backed by committed promoters-SRI SURYA Educational Society

NAAC