

SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

**CHERUKUPALLI(V), NEAR TAGARAPUVALASA BRIDGE, BHOGAPURAM(M),
VIZIANAGARAM(DIST)**

531162

www.aietta.ac.in

SSR SUBMITTED DATE: 28-02-2018

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

February 2018

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

The Avanathi Institute of Engineering and Technology (AIET) a premier Engineering and self - financed institute in Andhra Pradesh was established in the year 2005 and managed by Avanathi Educational Society with an objective of providing quality technical education and to produce engineers. It is permanently affiliated to JNTUK, Kakinada. The intake is 780 including UG and PG.

The institute stands best in terms of infrastructure and faculty. Well discipline, multimodal teaching methodology, campus placement training, committed support staff, proactive managing committee, vigilant security, a dedicated canteen, a fleet of buses, a mineral water plant ,open air auditorium, Indoor sports arena and play grounds make AVANTHI a unique professional college in the state of Andhra Pradesh.

The institution is located at Tagarapuvalasa, Vizianagaram District, Andhra Pradesh facing the highway and well connected to transportation imparting outcome based education through teaching and learning process, curricular and co-curricular activities, counseling system and remedial classes, CRT, placement drives, Tech fests and Internships provide students as Comprehensive Satisfying learning experiences.

The Institution was started with the AICTE approved UG programs in AY2005-06 at B.Tech level in the departments of EEE,ECE,MECH and CSE with an overall intake of 240 students. An UG course in Civil has been added during the AY2015-16 with an intake of 60. This institution has 16000 students with 14 institutions under its ambit.

The PG courses were added during AY2010-11 in Computer Science and Engineering (CSE), AY2011-12 VLSI (ECE), AY 2012-13 CAD/CAM (Mech), AY2012-13 PE (EEE) and AY2015-16 PS (EEE).

Vision

To develop highly skilled professionals with ethics and human values.

Mission

1. To impart quality education with industrial exposure and professional training.
2. To produce competent and highly knowledgeable engineers with positive approach.
3. To develop self confidence among students which is an imperative pre-requisite to face the challenges of life.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Management commitment and strong academic team, quality education and excellence
- Learned , proactive and visionarymanagement, readily responding to the needs and aspirations of all

stake holders towards quality education, Placements and good governance

- College was accorded permanent affiliation by JNTUK in the year 2015
- Best teaching and learning practices
- A highly decentralized administration with a well defined and transparent policy.
- Good financial discipline through appropriate budgeting and allocation
- Location of the institution facing highway
- Committed, highly qualified and experienced Staff
- Semester system with continuous assessment.
- Beautiful and excellent infrastructure facilities
- Well equipped library.
- Facilities for faculty to pursue Ph.D activities
- Continuous guidance and counseling to students & participation of students in various curricular and co-curricular activities
- Availability of co-curricular activities in the campus
- C R T Programs for students
- Individual care for slow learners.
- Sports, NSS and Yoga facilities.
- Personality and skill development programs

Institutional Weakness

- Most of the students coming from the rural background strive and struggle with the language as a barrier to meet the national and Global standards in terms of Technical education.
- The Institute has to upgrade the teaching community for more Research and Development activities.

Institutional Opportunity

- Research environment can be increased as many staff members are pursuing Ph.D.
- Interest of Alumni to participate in both Academic and Non-academic activities of the institution for its development.
- Institution located nearer to the industrial town of Visakhapatnam
- Availability of internships for students in the near by industries which pave way for future placements
- Scope of improving qualification through the higher learning institutions offer part-time courses in Visakhapatnam
- Inducing students to take international certification examination, foreign language etc.
- Inculcating the culture of entrepreneurship to rural youth through technology transfer

Institutional Challenge

- Students with poor academic performance in the qualifying examination (EAMCET)
- Fluctuating Economic situation
- The indifferent attitude of the Experts from the industry to share their real time experience with academic institutions
- Rural students with mother tongue as medium of instruction.
- Recruitment of faculty with good experience and PhD as qualification.

- Focus on overall development
- Computerizing the administrative activities to ensure e-governance

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The college being affiliated to Jawaharlal Nehru Technological University, Kakinada, besides adopting the curriculum designed by the university, has its own core structure and academic flexibility concentrating on Teaching Learning process and research activities. Value education remains to be the motto of the Institution. Thus, college provides our graduates the capacity to impact and transform society and promote human values and ethics through the NSS unit.

Following are the supplementary enrichment programs included in the curriculum apart from university prescribed syllabus like

Certificate programme on different subjects which will help students in their future career,

Provision and encouragement to the students to do projects in industry,

Students are free to opt their interested subjects as elective,

Co curricular and extra-curricular activities,

Campus Recruitment Training and Training program on Soft skills etc.,

Feedback from stakeholders i.e alumni, Industry persons, students and parents is taken for improvement in the necessary fields and the same received from the above is discussed and deliberated in department meetings.

Teaching-learning and Evaluation

Avanthi Educational Society is the one of the biggest Educational group in the states of Andhra Pradesh & Telangana.

Special care is given for a group of students with keen observation to improve his/her academic career through every day evaluation and the same is reported to respective parents/guardian.

The policy of recruiting qualified and experienced faculty as per AICTE norms has contributed to better implementation of Teaching-Learning process. Well ahead of the start of the semester, teachers prepare course files that include lesson plans, lecture notes, teaching methodology, Innovative processes in Teaching and Learning using ICT tools, modern pedagogical techniques, Project based labs etc.,

The institution conducts FDPs to enrich faculty professionally. Students are prone to partake in various competent sessions like, Debate, GDs and PPTs and mini project to create a feeling of self-responsibility in learning. Students' subject knowledge is further strengthened by relevant guest lectures, workshops, conferences etc.

To provide a uniform platform which suits all the students having different learning levels, the institution conducts bridge courses, orientation programs, so as to cater the diverse needs of students. Further, special measures are taken for slow learners by conducting coaching classes, remedial classes, etc.

Moving towards the 'outcome based approach' in the teaching-learning-evaluation process, every programme in the institution has formulated a set of PEOs, POs and PSOs. Apart from this, a set of COs have been framed for each course. Systematic procedures have also been devised for assessing the attainment of these Outcomes.

Research, Innovations and Extension

Avanathi Institute of Engineering and Technology has created an ecosystem for innovations and knowledge. With the motive of transferring the knowledge, the institute is encouraging the students and faculty members in the concerned genre to develop and share their knowledge.

Being a distinguished centre for higher learning, the college promotes research in all areas of Science, Engineering and Technology. To promote the research culture among the students AIET, regularly organizes various Technical fests, Workshops and Seminars. Technical experts, external consultants and great eminent research personalities are invited by the committee to motivate and encourage the faculty and students in all aspects. The motive of the committee is to explore the knowledge in various fields through innovative methods. It holds regular meetings, events, and talks where innovators from across an organization can get together and share their experience.

Moreover, a R&D cell has been established with eminent academicians as members. The research activity is progressive and proactive with 110 publications. 20 Funded projects worth of 4.15 lakhs have been sanctioned and many of them have been successfully completed. Continuous Linkages for student exchange, internship, industrial visits, industrial training and research.

The institution takes effective measures to involve the students in extension activities and outreach programs such as Plantation, Blood Camps, Swacch Bharat, Awareness Programs etc., through NSS to help and serve the neighboring community and society. The institution has signed almost 14 Memorandum of Understanding (MoU) with many corporate houses and institutes for sharing of research facilities.

Infrastructure and Learning Resources

Avanathi Institute of Engineering and Technology encompasses of 10.5 acres with five spacious individual blocks comprises of Civil, EEE, ECE, CSE and Mechanical Engineering and MBA. The institute has several physical facilities like seminar halls, spacious class rooms, tutorial class rooms, canteens with hygienic food, waiting halls for boys and girls, health care centre, transport facilities, play grounds, R.O Water supply, Power generators for un-interrupted power supply, fire extinguisher for safety. Moreover, the college is under the supervision of CCTV surveillance.

The institution has a qualified Physical Director to train the students and also extends financial support to participate in indoor and outdoor events conducted by the State/ University level competitions.

The college has NSS unit which aims to create social awareness among the student community by conducting various programmes. Yoga centre was established in the institute in December 2010 to foster healthy

environment among college fraternity.

All the classrooms and seminar halls are fully equipped with ICT facilities.

Around 28% of budget was allocated for infrastructure augmentation which excludes salary of the fraternity.

Library is using SOUL 2.0 Integrated Library Management System which consists of flexi reports for the librarian to find the number and price of books. Avanathi Knowledge Resource centre has a vast collection of rare books to avail and improve the knowledge of students. Internet facility is provided to all the departments with 100 MBPS bandwidth.

Student Support and Progression

Students are benefited through financial assistance provided by the Government scholarships and Management as free-ships. Students are given enough guidance for competitive examinations in their respective domains. The institution is also offering Vocational education training in different courses by experts. The college holds a transparent mechanism to help the student community through timely redressal of student grievances by respective committees like Anti-Ragging, Redressal and Sexual Harassment Eradication.

Around 31 percent of the students were placed in different companies as an average for last five years. Many of the students have got admissions to pursue higher education in various reputed institutions throughout the country and abroad. Students are also encouraged to appear in both competitive and entrance examinations like NET, GATE, GRE, TOEFL, etc.,

Students are encouraged to participate in curricular and co-curricular activities which are organized across India. All the required support is provided by the institute. A total number of 166 awards and medals were won by the students for their outstanding performance in curricular and co-curricular activities. On an average of 16, sports and cultural activities were being organized at the Institution since last five years.

Alumni Association is an important organism of the college which carries out the reputation. It aims to foster interactions and strengthen the bond between Alumni and Institute through activities, programs and services for a mutual relationship. Alumni association organizes an Alumni meet every year to work out in a better way.

Governance, Leadership and Management

This criterion helps gather data on the policies and practices of an institution in the matter of planning human resources, recruitment, training, performance appraisal, financial management and the overall role of leadership and governance in institution building.

The focus of this criterion is on the following Key Aspects:

Institutional Vision and Leadership: Effective leadership by setting values and participative decision-making process is key not only to achieve the vision, mission and goals of the institution but also in building the organizational culture.

Strategy Development and Deployment: The leadership provides clear vision and mission to the institution.

The functions of the institution and its academic and administrative units are governed by the principles of participation and transparency.

Faculty Empowerment Strategies: The process of planning human resources including recruitment, performance appraisal and planning professional development programmes and seeking appropriate feedback, analysis of responses and ensure that they form the basis for planning. Efforts are made to upgrade the professional competence of the staff.

Financial Management and Resource Mobilization: Budgeting and optimum utilization of finance, including mobilization of resources are the issues considered under this key aspect. The income and expenditure of the institution are subjected to regular internal and external audit.

Internal Quality Assurance Cell (IQAC) It is Self-regulated responsibility, aimed at continuous improvement of quality and achieving academic excellence. The institution has mechanisms for academic auditing. The institution adopts quality management strategies in all academic and administrative aspects.

Institutional Values and Best Practices

Avanthi Institute of Engineering and Technology entails gender equity among the students and staff. It shows the gender sensitivity through counselling, waiting halls, reserved seats in buses to the girl students and staff to facilitate.

The Institute is under the practice of energy saving by using LED, CFL, and water harvesting pits in the campus. It is aimed at eco-friendly campus by reducing different types of wastes in the campus besides initiating green practices like paperless office, vehicle free campus. Human values and ethics are being promoted among the students by organizing awareness programs.

The institute has many best practices like practical approach is given equal importance along with theoretical knowledge by organizing guest lectures, workshops, conferences and industrial visits etc. Remedial and backlog classes are conducted to the slow learners in terms of academics.

Student Counselling and Mentoring system is one of the best practice where the students are counselled by the mentors in every aspect to meet the needs of the students. Special care is given by the mentor regarding academics and psychological aspects of the students. The evaluation of the performance of the students is directly reported to the parents.

The institute is conducting campus recruitment training for all the students to meet the needs of the Industry. Both On/Off Campus drives are conducted on a regular basis to place in the best MNCs.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	Avanathi Institute of Engineering and Technology
Address	Cherukupalli(V), Near Tagarapuvalasa Bridge, Bhogapuram(M), Vizianagaram(Dist)
City	Vizianagaram
State	Andhra Pradesh
Pin	531162
Website	www.aietta.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Professor	A Chandra Sekhar. M.Tech. Ph.D	0891-2794439	7997903696	0891-666732 1	chandu.sitam@gmail.com
Principal	T Krishnaiah. M.Tech. Ph.D	08933-226739	9949716016	08933-22520 2	principal@aietta.ac.in

Status of the Institution	
Institution Status	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	01-01-2005

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Andhra Pradesh	Jawaharlal Nehru Technological University,Kakinada	View Document

Details of UGC recognition

Under Section	Date
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	10-04-2017	12	Approval renewal on yearly basis

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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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	Cherukupalli(V), Near Tagarapuvalasa Bridge, Bhogapuram(M), Vizianagaram(Dist)	Rural	10.5	16437

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,Civil Engineering	48	Intermediate	English	60	23
UG	BTech,Computer Science And Engineering	48	Intermediate	English	180	103
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	60	16
UG	BTech,Electronics And Communications Engineering	48	Intermediate	English	180	69
UG	BTech,Mechanical Engineering	48	Intermediate	English	180	65
PG	Mtech,Computer Science And Engineering	24	B.Tech	English	18	10
PG	Mtech,Electrical And Electronics Engineering	24	B.Tech	English	18	2

PG	Mtech,Electrical And Electronics Engineering	24	B.Tech	English	18	11
PG	Mtech,Electronics And Communications Engineering	24	B.Tech	English	18	7
PG	Mtech,Mechanical Engineering	24	B.Tech	English	18	14
PG	MBA,Masters In Business Administration	24	Degree	English	120	105

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	22				35				143			
Recruited	20	2	0	22	28	7	0	35	92	51	0	143
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				67
Recruited	39	28	0	67
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				30
Recruited	23	7	0	30
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.	20	2	0	0	0	0	0	0	0	22
M.Phil.	0	0	0	1	0	0	0	0	0	1
PG	0	0	0	27	7	0	92	51	0	177

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	Others	Total
		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
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
UG	Male	197	0	0	0	197
	Female	80	0	0	0	80
	Others	0	0	0	0	0
PG	Male	96	0	0	0	96
	Female	55	0	0	0	55
	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	20	26	33	30
	Female	11	12	7	8
	Others	0	0	0	0
ST	Male	5	6	3	4
	Female	3	4	1	2
	Others	0	0	0	0
OBC	Male	218	386	387	318
	Female	98	154	82	87
	Others	0	0	0	0
General	Male	106	112	114	105
	Female	71	67	67	53
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		532	767	694	607

3. Extended Profile

3.1 Programme

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

Response : 11

Number of self-financed Programmes offered by college

Response : 11

Number of new programmes introduced in the college during the last five years

Response : 4

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2238	2362	2190	2027	1918

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

2016-17	2015-16	2014-15	2013-14	2012-13
435	435	366	366	396

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

2016-17	2015-16	2014-15	2013-14	2012-13
587	624	570	514	545

Total number of outgoing / final year students

Response : 2840

3.3 Academic

Number of teachers year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
195	182	167	156	146

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

2016-17	2015-16	2014-15	2013-14	2012-13
195	182	167	156	146

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
195	182	167	156	146

Total experience of full-time teachers**Response : 1290****Number of teachers recognized as guides during the last five years****Response : 1****Number of full time teachers worked in the institution during the last 5 years****Response : 38****3.4 Institution****Total number of classrooms and seminar halls****Response : 58****Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)**

2016-17	2015-16	2014-15	2013-14	2012-13
515.64	515.52	488.21	491.31	439.82

Number of computers

Response : 540

Unit cost of education including the salary component(INR in Lakhs)

Response : 0.57

Unit cost of education excluding the salary component(INR in Lakhs)

Response : 0.24

NAAC

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:

Avanathi Institute of Engineering and Technology, Cherukupally, established in 2005, is one of the premier technical educational institutions in AP. The institution is approved by AICTE, New Delhi & Permantly Affiliated to JNTUK, Kakinada.

- The Academic calendar of the Institution is unique of its kind. Various co curricular and extra-curricular activities are planned during the semester / year, not disturbing the university calendar.
- Course files which include lesson plans, notes, question banks, etc are prepared by the faculty members for all subjects before the commencement of the semester.
- The Departmental committee meets twice in a month to review the coverage of syllabus, and to identify the lapses for the effective implementation of any activity to be planned.
- To enhance learning standards, weekly tests are conducted on a regular basis to evaluate the performance of the student and effective measures are thus implemented.
- Students are encouraged to comprehend latest tools and techniques to analyse, design and develop novel systems and products for real life applications and also for Innovative projects to enhance the practical knowledge.
- Student counseling system is another effective criterion observed efficiently in the Institution.
- Conduction of Faculty Development Programs on a regular basis is another asset to the Institution.
- Institution organizes Guest lectures by prominent personalities from various institutions like IIT, NIT etc., and also from the industry, to help the faculty know the latest developments in their areas of specialization.
- Faculty members are encouraged and sponsored to attend seminars, workshops and guest lecturers organized in premier institutes like IITs, NITs etc.

File Description	Document
Any additional information	View Document

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

Response: 93

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

2016-17	2015-16	2014-15	2013-14	2012-13
21	19	18	18	17

File Description	Document
Details of the certificate/Diploma programs	View Document
Minutes of relevant Academic Council/BOS meetings	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: 3.2

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

2016-17	2015-16	2014-15	2013-14	2012-13
6	6	5	5	5

File Description	Document
Details of participation of teachers in various bodies	View Document

1.2 Academic Flexibility

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

Response: 36.36

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

Response: 4

File Description	Document
Details of the new courses introduced	View Document
Minutes of relevant Academic Council/BOS meetings.	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 programs in which CBCS/ Elective course system implemented.

Response: 11

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Name of the programs in which CBCS is implemented	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:** 53.38

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

2016-17	2015-16	2014-15	2013-14	2012-13
1378	1332	1196	983	879

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:**

Education is not imparting academic knowledge alone but to know the unknown. Student being the future of the society, it remains to be the responsibility of the Institution to inculcate certain noble traits which can contribute for the welfare of the society. Moral values along with the social consciousness are to be the part of academics to curve their overall personality.

Institute always strives to put the students in the frontline in the matter of imparting great character with various social welfare activities.

A grievance cell that works open for the Students' grievances and a separate Woman grievance cell is established in the college to look into the problems of girl students. Awareness workshops are conducted on societal issues, human rights, climate change and gender equivalence.

Students Disciplinary Committee governs with its framed rules and regulations to balance the academic environment among their peer groups. Subjects on Environmental Studies and Professional Ethics are part of the curriculum by the University to create awareness on environmental issues and are taught by the senior faculty members.

Personality development lectures are delivered by renowned persons to instil moral and ethical values among students.

The NSS unit of the college has adopted nearby villages Jonnada, Duvvupeta and D.Tallavalasa since 2010 and been conducting various camps in these villages to have community education through service for the student's personality development.

- The NSS Unit also regularly organizes social welfare and awareness camps in surrounding areas to educate the public community on various social, moral, ethical principles of life.
- NSS unit organizes programmes like blood donation camp, Swachh Bharat, Plantation, clean and green, quality testing of drinking water, medical camps to make the students aware on the cutting edge social issues.
- Dengue Awareness Programmes, and Blood Donation Camps in association with nearby hospitals, Child labour eradication, Socio-Environment awareness rallies are organised by the NSS Unit.
- Human rights encourage a commitment to Professionalism is covered under curriculum through "Professional Ethics in Engineering".

File Description	Document
Link for Additional Information	View Document

1.3.2 Number of valued added courses imparting transferable and life skills offered during the last five years

Response: 8

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

Response: 8

File Description	Document
Brochure or any other document relating to value added courses.	View Document
Details of the value-added courses imparting transferable and life skills	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 70.81

1.3.3.1 Number of students undertaking field projects or internships

Response: 1582

File Description	Document
List of students enrolled	View Document
Institutional data in prescribed format	View Document

1.4 Feedback System

1.4.1 Structured feedback on curriculum obtained from 1) Students 2) Teachers 3) Employers 4) Alumni 5) Parents For design and review of syllabus semester wise/ year wise

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
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
Any additional information	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

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

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	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: 0.41

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

2016-17	2015-16	2014-15	2013-14	2012-13
7	17	8	7	6

File Description

Document

Institutional data in prescribed format

[View Document](#)

List of students (other states and countries)

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 80.76

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

2016-17	2015-16	2014-15	2013-14	2012-13
532	767	694	608	607

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

2016-17	2015-16	2014-15	2013-14	2012-13
870	870	732	732	792

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: 89.37

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

2016-17	2015-16	2014-15	2013-14	2012-13
367	366	354	356	334

File Description	Document
Institutional data in prescribed format	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:

1. The Department appoints one faculty Member as a Counselor for every 20 students entering in the first year.
2. This Faculty Counselor establishes a close relationship with each student, orients them to college practices, follows their progress regularly (e.g., with at least fortnightly/monthly meetings) and guides them throughout the four-year course.
3. The Faculty Counselor gives academic as well as personal advice; she/he is not necessarily able to address all problems – but plays a vital role in guiding the student, putting the student in touch with the appropriate assistance, and so on.
4. The Counselor identifies the weak students and bright students

Categorization of student:

The students are categorized into three categories

Advanced learners (Students who got more than 70% of marks in internal examinations, having no backlogs subject and active participations in class room, work shop, seminars etc.. Were identified as advanced learners)

Medium learners (Students who got more than 50% and less than 70% of marks in internal examinations or having less than three backlogs subjects in earlier semesters were identified as average students)

Slow learners (Students who got less than 50% of marks in internal examinations or having more than three backlogs subjects in earlier semesters were identified as weak students)

Actions taken to improve the performance of slow learners:

After identifying the slow learners

- For the benefit of the students with backlogs /remedial classes are conducted.
- A batch of 20 students is attached to a teacher (counselor). Among those an average of 3-6 are usually found to be slow learners.The faculty counselor intimately interacts with them to gain their confidence and tries to identify the nature of their problem. Poor performance due to frequent absenteeism is dealt with by consulting parents of the student concerned.
- All the staff members maintain a good rapport with students and deal with their problems in an empathetic manner.

Actions taken to improve the performance of Advanced learners:

- Assigning them seminar topics and taking their assistance for coaching slow learners.
- Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth
- Conducting CRT classes
- Involving them in Personality Development Programmes offered through regular classes in the timetable.
- Assigning them mini projects which also involve field surveys and industrial visits to inculcate research orientation and providing financial assistance for the same.
- Encouraging them to participate in class room seminars, group discussions, technical quizzes to develop analytical and problem solving abilities in them and thereby, to improve their presentation skills.
- Motivating to access latest online journals, reference material and to get an understanding of the emerging trends in their field of study.
- Encouraging them to attend science expos in order to design and execute working models to give shape to their inherent ideas.
- Giving opportunities to develop their creativity by organizing intramural as well as national level cultural, literary, and technical and sports competitions.

File Description	Document
Any additional information	View Document

2.2.2 Student - Full time teacher ratio

Response: 10.49

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0.04

2.2.3.1 Number of differently abled students on rolls

Response: 1

File Description	Document
List of students(differently abled)	View Document
Any additional information	View 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 institution adopts methods more on students-centric to support structures in systems by teachers to develop skills in various learning process The institution concentrates much on introducing various modern techniques to make learning more effective for the benefit of students.

The learning process is enriched and empowered by the practices which develop communication skills, listening skills, solving problems, improving knowledge, training and participation in various academic programmes which enable the students lifelong learning .

Students are highly motivated to participate in seminars, workshops, conferences, study tours, industrial visit, projects, Science Exhibition, Group discussion, Guest Lectures, symposium, Quiz programmes and club activities to enrich the different learning methods.

The institution provides required infrastructural facility like resourceful, Internet, Netlab, Department library, fully equipped and digitalized central library with DELNET providing reference books, magazines, International Journals, laboratories with well equipped materials for improving and increasing technical knowledge of students.

With this wide range of gaining knowledge from the above mentioned learning processes, students prepare charts, models, poster ,publications. Students Participate in extra-curricular activities like sports, Fine arts, Music, Dance, Yoga and cultural competition. These are the unique resources and provisions to develop skills like interactive learning, collaborative learning and independent learning among students.

methodologies are used for enhancing learning experiences

- Lecture method
- Interactive method
- Information and Communication Technology (ICT) Enabled Teaching
- Case Study Analysis and Discussion
- Group Learning Method

- Project-based Learning
- Experiential Learning
- Student Seminar
- Summer Internship Project
- Laboratory experiential learning

File Description	Document
Any additional information	View Document

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

Response: 84.98

2.3.2.1 Number of teachers using ICT

Response: 181

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

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

Response: 11.82

2.3.3.1 Number of mentors

Response: 189

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

Faculty uses advanced teaching methods involving graphical visualization, animations, user interactive simulations and visuals to make the class room teaching and learning interesting and interactive.

Explanation of concepts using demonstration models/charts is always preferred wherever feasible to make teaching effective.

Content delivery methods:

The following are the various other content delivery methods used to during the courses

- Use of chalkboard by instructor as aid in teaching
- Class room Lectures
- LCD projector presentations
- Internet classes-E classes
- video lecture
- use of motion pictures, educational films
- E-Lab Manuals
- Group Discussion
- Lecture With a Quiz

The institution encourages the faculty members to employ latest technologies for effective teaching. ICT enabled class rooms facilitated with LCD projectors and Internet access are provided in each department to supplement the conventional black board teaching method. The teaching staff is encouraged and motivated to go through the video lecturers on the subjects they are teaching through NPTEL and also from the internationally reputed universities websites. The college provides high-speed internet connectivity to the students for quick access to educational resources. The faculty also advises the students to go through the video lectures of the course they are teaching, which are very popular and interesting on web by providing links. NPTEL and other open courseware are made available to the students. Students are

- Encouraged to enroll in various courses under MOOC (Massive Open Online Course). Students and staff are encouraged to enroll in various online courses through e learning facilities
- Virtual lab facilities are provided for learning, all technical courses relevant to the all UG and PG programs offered by the institute

Students are encouraged to participate in workshops/ symposia/ seminars/ conferences/ cultural events/ Sport events etc. Students are encouraged to participate in various certificate programs conducted by the leading industries .

The students are provided additional placement training on Communication and Interview Skills, Analytical, Logical, Quantities Skills and Technical Skills by Training and Placement Cell to help them in getting Campus Placements and in other competitive exams. The faculty constantly introduces major technological breakthrough of their subject and branch to the students enabling them to learn the incremental state-of-the-art developments. It helps the students to evolve as responsible engineers with ethical considerations for global community.

Exposure to industry relevant standards and practices is given, enabling the students to develop their technical know-how to be industry ready.

File Description	Document
Any additional information	View Document

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](#)**2.4.2 Average percentage of full time teachers with Ph.D. during the last five years****Response:** 9.52**2.4.2.1 Number of full time teachers with Ph.D. year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
22	20	17	14	9

File Description**Document**

List of number of full time teachers with PhD and number of full time teachers for 5 years

[View Document](#)**2.4.3 Teaching experience of full time teachers in number of years****Response:** 6.06**File Description****Document**

List of Teachers including their PAN, designation,dept and experience details

[View Document](#)**2.4.4 Average 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:** 0.44**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**

2016-17	2015-16	2014-15	2013-14	2012-13
1	2	1	0	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document

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

Response: 6.47

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

2016-17	2015-16	2014-15	2013-14	2012-13
20	14	12	7	4

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

2.5 Evaluation Process and Reforms

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

Response:

The JNTUK University, Kakinada, to which the institute is affiliated is very active in introducing evaluation reforms to maintain high standards of quality. The institute has adopted the following reforms introduced by the university:

Each theory subject is evaluated for 100 marks. Out of which, 15 marks for the average of 2 internal descriptive exams conducted in a semester and 10 marks for the average of two mid exams(quiz) in a semester. 5 marks for the assignment given by the faculty for each subject Semester end exam is conducted for 70 marks.

Quality of internal Semester Question papers

The internal question papers are being verified by the IQAC/CAC to check the quality of the question papers. The question papers are evaluated based on the following.

The internal question papers should have

- Definitions, Principle of operation or philosophy of concept.
- Mathematical treatment, derivations, analysis, synthesis, numerical problems with inference..

Design problems

- Troubleshooting type of questions
- Applications related questions
- Brainstorming questions

The above measures in the question papers help the students to develop their problem solving, analytical and design skills.

Quality of assignments

The assignment papers are being verified by the IQAC/CAC to check the quality of the assignment papers. The assignment papers are evaluated based on the following.

The assignment papers should have

- Headings, paragraphs, emphasizing of words and proof reading are necessary to be maintained.
- Should contain core issue.
- Search for books & ebooks on that specific topic use the library catalog.

The above measures in the question papers help the students to develop their problem solving, analytical and design skills.

Process of Evaluation:

Concern faculty of the subject will prepare scheme of evaluation

- Both evaluated answer sheets and scheme of evaluation will be given to students.
- All the student grievances will be addressed by the concerned faculty
- Evaluation will be done in transparency and improvement in quality of evaluation practiced
- Student grievances in university evaluations are addressed by Recounting / Re-evaluation and Challenge evaluation.

Continuous Assessment in Lab (3): Each lab exam is evaluated for 75 marks. Continuous assessment during the semester is carried out for 25 marks and semester end lab examination is conducted for 50 marks. For continuous lab assessment, 15 marks is awarded for day to day performance and 10 marks for the internal lab examination. The semester end lab exam for 50 marks is evaluated by two examiners i.e., one internal and one external examiner with a mutually agreed sub division of marks for algorithm/description, process steps, conduction of the experiment, output/result etc. and viva-voce. A typical scheme of lab examination indicates marks allotment on the following lines:

(Weightage - Marks)

	Internal	External
• Aim and procedure for the given experiment	05	10
• Experiment performance or execution	05	20
• Output of the experiment	05	10
• Viva-voce	05	10

• Day to day evaluation record	05	----
• Total	25	50 75

The evaluation reforms of the university are followed in the best of the spirit.

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

Response:

A handbook which includes academic regulations, course structure and detailed syllabus is provided to all the students at the time of admission and it is available in the college website. The Stakeholders of the institution i.e. students and faculty members and even the parents of the students are informed about evaluation process by giving general instructions mentioned in the prospectus of the institution.

The periodic instructions issued by the affiliating university are promptly communicated to the students. The students are individually provided with copies of the university syllabus which included the detailed evaluation procedure. Likewise they are informed at the start of the session regarding the terminal tests after the gap of three months. Students are clearly made aware of the eligibility conditions required to appear in the final exams. They are informed of the criterion of the internal assessment

The evaluation is the integral part of teaching learning process. So, the institution makes effective arrangements for the smooth application of the rules about the evaluation processes. The college has developed a proper Mechanism for this purpose. periodic meetings is also conducted to explain importance of evaluation process.

Strict transparency is maintained in the internal assessment. The criterion adopted is on the lines directed by the University

Transparency in Evaluation system is ensured by:

- Scheme of evaluation is prepared and provided for reference to students.
- Making evaluated internal exam answer scripts available to the students.
- If any revaluation is required it will be permitted.
- Adhering to the approved scheme of evaluation
- Verification of posted marks for correct entry by a scrutinizer.
- Permitting students to apply for revaluation..
- Collection of evaluated answer scripts within 3 days from the date of examination.

File Description	Document
Any additional information	View Document

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

Response:

The college has the redressal cell for grievances with reference to internal evaluation. The cell consists of principal, HOD, one faculty nominee, two student nominees. The student can apply to the cell for any anomaly in his evaluation of paper. The cell conducts a meet and calls students and hears his/her say and gives the appropriate decision which is binding on all.

The redressal of grievances regarding evaluation in both internal assessment and university examination is through the following process.

At the institute level:

- The answer scripts of internal examinations are given to the students after evaluation for their review and if corrections needed it will be permitted.
- If a student is not satisfied with the marks awarded in any course/ laboratory after the initial review, he/she may represent the same to the Director/Principal through the HOD concerned. All such representations are taken positively and reassessment will be made by another teacher if necessary.
- The internal marks are displayed on exam section notice board. If any discrepancy is noticed the concerned teacher will rectify and the necessary corrections will be made.

At University level:

- The student may apply for a recounting of the marks where in the totalling of the marks will only be checked. Within 15 days of declaration of results by paying the prescribed fee to the university.
- The student is entitled to apply for revaluation in theory courses by paying a prescribed fee to the university. Within 15 days of declaration of results.
- The student is also eligible to apply for a challenge revaluation of theory courses by paying the prescribed fee to the University.
- The university will take up all such applications and reevaluate/recount the scripts by competent subject teachers.

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

- Since the Institute is affiliated to JNTU Kakinada, it follows the broad academic calendar and examination schedule as determined by them. Within the scope of that academic calendar, a detailed academic calendar is prepared for each program recording all the working days, internal exam schedules and other activities.
- Academic calendars, lesson plans and course files for all courses are shared in advance with students to help them prepare for a given semester.
- Along with academic calendar our institute will prepare the institution semester calendar including date of guest lecture, seminars, Technical fest, cultural fest, workshops, innovative projects schedule, and weekly test schedules.

- Remedial classes, special classes will be conducted within stipulated time of JNTUK academic calendar.
- Before the beginning of every academic year senior faculty in each department along with HOD will prepare the academic calendar of each department based on the academic calendar of the university.
- The department wise academic calendars are taken by the IQAC with reference to these calendars the IQAC will prepare the academic calendar of the college.

As per the JNTUK academic calendar mid exams, lab internal and external exams will be conducted.

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:

The accrediting institution is required to communicate clearly to constituents

- What learning outcomes were achieved by students
- What level of attainment of these outcomes is required to assure the quality of program offerings.

The Academic transcripts clearly states what the learning objectives of the institution and the degree programs are, as well as how the student has met the learning outcomes.

The institution identify expected outcomes for its program, assess whether it achieves these outcomes, and provide evidence of improvement based on analysis of those results.

The institution should, demonstrate that each educational program for which academic credit is awarded, establishes and evaluates program and learning outcomes.

The institution identifies college-level competencies within the general education core and provides evidence that graduates have attained those competencies.

File Description	Document
COs for all courses (exemplars from Glossary)	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:

- Program learning outcomes are statements that explains what learners/students will know and be able to do when they graduate from a program. They are closely linked to the credential framework and program standards set by the affiliating university.
- Course-specific learning outcomes are also sometimes referred to as learning objectives or course-specific goals, these are clear statements that describe the competences that learners/students should possess upon completion of a course, program specific outcomes are designed by all the staff members in the department under the guidance of head of the department of the institution.
- Learning outcomes/ course outcomes are statements that describe significant and essential learning that learners have achieved, and can reliably demonstrate at the end of a course or program. learning outcomes identify what the learner will know and be able to do by the end of a course or program, the course outcomes are designed by the learning objectives which is mentioned in the syllabus for individual subjects. at the end of the semester the students should able to attain all the course outcomes for individual subjects.
- The maximum no. of course outcomes given are 6 and minimum are 3 from each subject, course outcomes are set by respective faculty who taught subjects. In the same way the course outcomes are described for all subjects from first year to final year.

File Description	Document
Any additional information	View Document

2.6.3 Average pass percentage of Students**Response:** 80.41

2.6.3.1 Total number of final year students who passed the university examination

Response: 472

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

Response: 587

File Description	Document
Institutional data in prescribed format	View Document

2.7 Student Satisfaction Survey**2.7.1 Online student satisfaction survey regarding teaching learning process****Response:**

File Description	Document
Database of all currently enrolled students	View Document

NAAC

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

Response: 3.9

3.1.1.1 Total Grants for research projects sponsored by the government/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)

2016-17	2015-16	2014-15	2013-14	2012-13
0.59	0.89	1.67	0.42	0.33

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

File Description	Document
Institutional data in prescribed format	View Document

3.1.3 Average number of research projects per teacher funded by government and non government agencies during the last five years

Response: 0.53

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

Response: 20

File Description	Document
List of research projects and funding details	View Document
Supporting document from Funding Agency	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:

Avanathi Institute of Engineering and Technology has created an ecosystem for innovations for knowledge. With the motive of transferring the knowledge the institute is encouraging the students and faculty members in the concerned genre to develop and share the knowledge. The institute has established Research laboratories by which the faculty members are encouraged to take up the research activities to develop their knowledge through which the student's knowledge will also be developed. The organizing relies heavily on individual innovation to bring out the new ideas for the development of both individual and organization in return for the development of society in respective aspects. The college is having a research development cell to monitor the issues related to it. This committee creates an environment for developing research projects by the students. The aim of the committee is to develop good ideas and how to transform good ideas into actionable plans to bring those ideas to market develop. The committee is conducting various workshops, seminars and motivation sessions to drive the faculty members to develop their research projects. Technical experts, external consultants and great eminent research personalities are invited by the committee to motivate and encourage the faculty and students in all aspects. The motive of the committee is to explore the knowledge in various fields through innovative methods. It holds regular meetings, events, and talks where innovators from across an organization can get together and share their experience. This helps the people who are working on innovative projects to help connect together groups that are undergoing similar problems. The students are encouraged by the administration by giving to the best projects to develop their project in more effective ways. The faculty members are encouraged to take up minor and major research projects from various funding agencies. They are supported by giving incentives to them as the support to their projects. This is type of motivation is provided by the administration. The faculty members are encouraged to publish the journals as the part of the research to share the knowledge through the journals. Students and faculty members are encouraged economically to publish the books, journals or projects etc..With this intension the college is running relevant services to the students and staff in different aspects like research etc to develop and share their knowledge.

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

Response: 86

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

2016-17	2015-16	2014-15	2013-14	2012-13
23	17	14	18	14

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

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards	
Response: Yes	
File Description	Document
e- copies of the letters of awards	View Document
List of Awardees and Award details	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years	
Response: 0	
3.3.3.1 How many Ph.Ds awarded within last five years	
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: 0.13	

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

2016-17	2015-16	2014-15	2013-14	2012-13
41	34	17	15	5

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: 0.03

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

2016-17	2015-16	2014-15	2013-14	2012-13
8	18	2	0	2

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 college maintains a cordial relationship with the neighborhood and the local administration by which both the student and local community are benefitted. The institution serves the community through the best activity of NSS. At the beginning of the academic year portfolios are distributed. Voluntary participation is encouraged in the campus. The college promotes participation of students in extension activities through their felicitation. Every year one particular village is selected in consultation with local sarpanch, the students and the faculty members render their valuable services in community through various ways. NSS team as a part of its responsibilities it conducts various awareness programmes, cleanliness activities,

literacy programs. Social interaction is maintained to educate the villagers in respective ways. Students develop the most essential quality leadership through the activities, along with this service mentality and self confidence are developed in the students. Blood Donation camps are organized every year in the campus to help the need and show the importance of blood to human life. Awareness rally are conducted by the students in the local communities to create awareness on the issues. Every pulse polio campaigns are organized every year to eradicate polio from the country. Motivational speeches and lectures are conducted to take precautions and remedies if any natural disaster took place. Our students and the team of NSS always render their services for the benefit of the people in neighboring community. Along with these activities the college organizes various outreach programs through NSS. The major contribution is

1. Organization of youth camps
2. AIDS Awareness lecture and rally
3. Pulse Polio campaign
4. District Leadership development workshop
5. Disaster management camp
6. Sadbhavana Day celebrations
7. Blood donation camps

The institution solicits the stake holders perception on the overall performance and quality of the institution. For this institution organize alumni and parents meet every year. The stake holders are invited to participate in meetings for the appraisal and know the performance of the institution. The regular students are informed during programs like induction meet and remaining programs like departmental association, career guidance etc. The college collects feedback from them to know the level of the institution and for the further development. Suggestions are also taken by them to develop the institution. Suggestion boxes are placed in every department for the better development. Teachers are given complete information during IQAC meetings and in general meetings headed by the principal. Everyone's ideas are respected and solicited for the quality enhancement of the institution.

File Description	Document
Link for Additional Information	View Document

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

Response: 54

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

2016-17	2015-16	2014-15	2013-14	2012-13
10	30	5	8	1

File Description	Document
Number of awards for extension activities in last 5 years	View Document

3.4.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the last five years

Response: 25

3.4.3.1 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	5	5	5	5

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry, community etc for the last five years	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: 85.8

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

2016-17	2015-16	2014-15	2013-14	2012-13
2100	2030	2070	1730	1330

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: 98

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

2016-17	2015-16	2014-15	2013-14	2012-13
25	20	18	18	17

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

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

Response: 79

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

2016-17	2015-16	2014-15	2013-14	2012-13
17	17	16	15	14

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document

NAAC

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:

Avanathi Institute of Engineering and Technology encompasses of 10.5 acres, with five spacious individual blocks:

BLOCK – I comprises of Mechanical Engineering and Civil Engineering streams with spacious seminar hall, Sports Room, Engineering Drawing halls, Parents waiting hall and Gymnasium.

BLOCK – II comprises of three departments' viz., Electronics and Communication Engineering and Computer Science Engineering and MBA with seminar hall, administrative area, women waiting hall etc.

BLOCK – III consists of Electrical and Electronics Engineering Stream with Engineering Drawing Hall, seminar hall, women waiting hall and cafeteria.

BLOCK – IV is for Knowledge Resource Center, where first year classes will be held and it also comprises of women waiting hall, boys waiting hall, digital library and seminar hall.

BLOCK – V has College Canteen, seminar hall and placement officer room.

The college has adequate number of class rooms and well-equipped laboratories to facilitate students. Each Department is equipped with their own computing resources as well as departmental libraries to meet the academic needs of the students. In addition, the college is maintaining a Knowledge Resource Center which is equipped with number of National and International journals. Digital Library is an additional advantage for the college. The high-end library server is an added advantage for the faculty and students in terms of storage of learning material and accessibility. The institution strongly believes that, if the faculty and students are involved in diversified learning processes, the foundation would become stronger at the formative stages.

The college is bound to the norms of AICTE. Based on the requirement, the college enhances its infrastructure from time to time so as to facilitate effective teaching and academic growth. College campus is under surveillance of CCTV cameras to enhance the security. The college is also maintaining Anti ragging cell and women cell.

ICT as a Learning Resource

The college has provided more than 540 computers to all the departments for the day-to-day usage of students and faculty. Every department has its own computing facilities like LCD projectors and Overhead projectors for computer aided teaching to meet the curriculum needs. Internet facility is provided to all the departments with 100 Mbps bandwidth. Computers are loaded with the software as per curriculum requirements.

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:

Playing a sport allows decreasing the likelihood of obesity in today's youth, and it promotes overall health and wellness. In view to this, the college has established a separate room for Sports on October, 2007. The management always supports the students to attend for various zonal games by allotting yearly budget for equipment and uniform. The institute is conducting sports cluster for the students once in semester.

Indoor Sports Facilities:

The institution has a fully competent and qualified Physical Director to train the students to participate in both indoor and outdoor events conducted by the State/University. Gymnasium is equipped with weight lifting set and bench fit arrangement. Separate facilities has been provided for Yoga and Meditation.

Outdoor Sports Facilities:

Professional grade facilities are provided for the following outdoor games.

- Athletic Track
- Cricket Field
- Volley Ball Court
- Basket Ball Court
- Kabaddi Court
- Throw ball Court
- Kho-Kho
- Tennis Court

NSS ACTIVITIES:

Since 2008, the college NSS Cell is organizing varied types of outreach programs, viz., awareness about poverty alleviation / programs relating to property rights, literacy (including women literacy), prevention of environmental pollution, eco-conservation, planting of saplings and preservation, blood donation, antidrug and anti-alcohol awareness, Swachh Bharat (a movement for cleaning), health campaigns for AIDS prevention, campaign against use of plastic items, health and hygiene consciousness, campus cleaning and beautification, drainage maintenance, rural road maintenance etc. All these programs were conducted by faculty members and non-teaching employees and also participated in the N.I. Camp, winter and summer Adventure Camp. During last 5 years, the NSS activities of this college have been increased remarkably.

Yoga Centre:

A Yoga Centre was established in the institute on December 2010. To run the activities of Yoga Centre, the college administration has provided the required staff and equipment. Extension lectures with eminent personalities were arranged by the Yoga Centre for the benefit of the staff and students. The college has allocated yearly budget for conducting the extension lectures, National Seminars as well as for the maintenance of the centre. The Staff of Yoga Centre has been working with utmost commitment and dedication to spread the awareness of Yoga and its application to the students of the university as well as the general public of the society.

Additional academic support :-

- Academic support is given for all the students who are participating in extracurricular activities like literary, cultural and sports events outside the institute.
- Institution is providing financial support to the students who are participating in sports and cultural competitions
- As the institution is following the examination time table of the affiliating university, hence there is no point of deviation at exams.

Special dietary requirements, sports uniform and materials:-

- The institution is providing sports uniform to all the students who are participating in inter-collegiate/inter university events besides providing them with dietary supplements.

File Description	Document
Link for Additional Information	View Document

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

Response: 53.45

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 31

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

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

Response: 27.9

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

2016-17	2015-16	2014-15	2013-14	2012-13
134.37	133.84	130.18	139.43	142.55

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

4.2 Library as a Learning Resource

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

Response:

The SOUL 2.0 Library software is a state-of-the-art integrated library management software designed and developed by the INFLIBNET is to build a next generation Digital Library System and to improve and streamline the library operations in a more effective and efficient manner. The SOUL 2.0 is the automation of the complete library system that can lend books, CDs, Journals and Magazines to the account holders in the organization. It supports cataloguing of electronic resources such as e-journals, e-books, virtually any type of material and requirements of digital library and facilitates link to full-text articles and other digital objects, provides simple budgeting system and single window operation for all major circulation functions.

The SOUL 2.0 Integrated Library Management System (ILMS) also consists of the flexi reports generate for the librarian to find the number of books and price of books (branch and category wise). It also generates the invoice details whenever needed, provides facility to mail the vendors about the books that are to be purchased and the pie-chart representation of the reports. It includes 6 modules for creating a poll for selection of new books to be purchased. This is done by the INFLIBNET administrator using create polls module and account holders can also suggest books apart for the books that are kept for poll and include self developing modules for new categories that are added and barcode implementation alerts.

The software is compliant to international standards for bibliographic formats, networking and circulation protocols. It provides the modules for account holders to search, reserve and rating for the books. It provides efficient searching for the books by providing the advanced searching options like search by Author, Title, Edition, Publisher and Call number. The account holders can place a request for the book. Data entry operations can enter the information about the Books / CDs / Journals / Magazines. Account holders information can also use the search module.

<i>Academic Year</i>	<i>ILMS Software</i>	<i>Nature of Automation</i>	<i>Version</i>
2012 - 2013	ALARM software	Partial Automation	Advanced
2013 - 2014	ALARM software	Partial Automation	Advanced

2014 - 2015	ALARM software	Partial Automation	Advanced
2015 - 2016	ALARM software	Partial Automation	Advanced
2016 - 2017	ALARM software	Partial Automation	Advanced
2017 - 2018	SOUL 2.0 (Full edition)	Fully Automation	2.0 (Full ed

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:

Avanathi Knowledge Resource Centre was established in 2005, with vast collection of rare books to avail and improve the knowledge of students, faculty and researchers in various subject fields. Institution gives utmost importance to the student satisfaction. Gallery of the rare collection gives them an immense pleasure in getting some positive progress in their mindsets. The information which the faculty and students are getting from the rare books are being best utilized in different aspects like continuation of research work in their respective fields, presenting papers in seminars, publishing new information by consolidating the work in different journals etc.

The Knowledge resource centre is very useful in our institution. It is not possible for every one to purchase the rare books, manuscripts and special reports on every subject. In the library, the same books pass through several hands by rotation. A user can read a large number of books at a very little cost or at free of cost. It is a place for close and careful study. The library helps a good deal in spreading knowledge and education. Users can derive benefits from these books in the library. Library preserves various types of old and new rare book collections. There are also periodicals and daily news papers to meet the needs of the users.

The Knowledge resource centre has many uses and it is the duty of everyone to be attached to the library which generally confines us to the study of text books. Sometimes we do read rare books to gain knowledge which is out of the syllabus, but they are usually manuscripts, special reports, novels, national and international journals. Library can attract more users by providing more number of rare books. There is also a librarian whose duty is to guide the readers in the choice of rare books collection and to explain the importance of manuscript collection also. The gallery of the rare collection gives them immense pleasure in getting some positive progress in their mindsets. We hope that what we follow is helpful, which made us proud to say what we are in the present situation.

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

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 12.17

4.2.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
12.23	12.76	12.71	11.59	11.54

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

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 22.23

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 544

File Description	Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

- Every classroom and Staff room has been updated with Wi-Fi connectivity.
- Classrooms are equipped with ICT facilities like LCD Projector, LAN / Wi-Fi Connectivity to enhance teaching-learning process.
- All departmental computing centers are provided with internet facility.
- This Institute has a total of 540 computer systems serving to meet the ratio as per the norms.
- The College upgraded to Intel Core I3 Systems for executing the laboratory programs.
- The college has an internet facility with 100 Mbps with dedicated leased line. The Institute has upgraded the internet by signing an MoU with EyeMax Network
- All the important Systems are protected / Upgraded with latest Anti Virus Software with internet security.
- Every nook and corner of the campus is Wi-Fi enabled
- The College is upgraded with Library Management System SOUL software from INFLIBNET to manage all library operations.
- The college has a digital library to access Journals like Delnet and J-Gate. NPTEL lectures can be accessed from any system within the institute.
- Central Computing Facility is provided to 60 systems with LAN connection and with printer facility.
- The college has upgraded the LAN cables from CAT-5 to CAT-6.
- The college has uninterrupted power supply facility for its computing facilities with a backup provided by UPS with an average of 30 minute backup time and has a 62 KVA generator to power the infrastructure of the college.
- CCTV cameras has been installed by the college for 24x7 campus surveillance.
- The Institute is instrumental in providing consultancy services by conducting competitive online examinations like State, Central, Public sector and Bank examinations etc.

4.3.2 Student - Computer ratio	
Response: 4.14	
File Description	Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)	
<5 MBPS	
5-20 MBPS	
20-35 MBPS	
35-50 MBPS	
Response: >=50 MBPS	
File Description	Document
Details of available bandwidth of internet connection in the Institution	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
Link to photographs	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: 72.1	
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)	

2016-17	2015-16	2014-15	2013-14	2012-13
381.26	381.68	358.02	351.88	297.26

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	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:

The physical facilities including Laboratories, Library, Classrooms and Computers are available for the students, who are admitted in the college. The college has adequate number of computers with internet connections and the utility software distributed in different locales like office, laboratories, library, departments etc. The ICT Smart Class Rooms and the related systems are maintained with AMC of the corresponding service provider. The Central Library has developed with an excellent collection of books, journals and non-book materials in Engineering, technology, humanities and management. It maintains separate collection of Reference Books, Bound volumes of journals, Technical Reports and Theses. Our Central Library is spacious and fully automated that it can accommodate 150 users at a time and the data base is managed by Engineering College Automation. The library is using OPAC (Online Public Access Catalogue), wherein the users can search the Library Online Catalogue by Author's name, title, subject, and keywords available on the campus LAN. A separate wing is provided for competitive exam books.

The total collection of library stands as follows:

Reference Service

News Paper Clipping Service

Internet Access

OPAC

Audio-Video Viewing

Service:

- 15 terminals are available for the users to browse the internet through 100 Mbps Broadband connectivity.
- Resource Sharing through Intranet using Digital Library Open Source Software
- Conducting various Programs to students/Faculty /Librarian /Society
- Books / Periodicals E-Recommendation Forms for Students and Faculty
- Fully Automated Library Services

- Barcode Auto Lib
- Multimedia Enabled Digital Library
- Access to E-Journals
- NPTEL/Spoken Tutorials /British Council Video Lectures and web Content
- E-course Material of Faculty
- Scanning /Writing /Printouts of documents
- E-News Clippings
- Paper clipping services
- Conducting book exhibitions
- Display of Job opportunities
- Project Reports
- DELNET

Sports & Games:

The institute recognizes the importance of sportsman spirit and team effort of students. For this the campus has adequate sports facilities and state-of-the-art infrastructure. A number of inter and intra college sports events are organized throughout the year to enable the students to develop a spirit of healthy competition and team effort. The Campus has adequate sports infrastructure e.g. Cricket, Basketball, Volleyball, Football, Badminton, Shuttle, Table Tennis, Chess and several other indoor and outdoor games. Along with the sports we also provide Gym facilities to our students to make them strong and brave.

S. No	Category	No. of persons
1	Site Supervisor	1
2	Electrician	2
3	Plumber	1
4	Carpenter	1
5	Operator-Mineral water plant	2
6	Stores In-Charge	1
7	Housekeeping-Supervisor	1
8	Housekeeping-Asst.Supervisor	1
9	Sweepers	22 (16 ladies +6 gents)
10	Gardener	4
11	Chief Security Officer	1
12	Security Officer	1
13	Security Guards	12
14	Scavengers	6
15	Water man	1
16	Attender	10
17	Lab asst and programmer	30

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: 57.97

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

2016-17	2015-16	2014-15	2013-14	2012-13
1432	1455	1277	1067	1023

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: 18.12

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

2016-17	2015-16	2014-15	2013-14	2012-13
742	597	524	160	7

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	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
Any additional information	View Document
Details of capability enhancement and development schemes	View Document
Link to Institutional website	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: 27.74

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

2016-17	2015-16	2014-15	2013-14	2012-13
617	660	602	554	544

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

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years**Response:** 30.82

5.1.5.1 Number of students attending VET year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
675	722	665	652	592

File Description**Document**

Details of the students benefited 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:** 30.19

5.2.1.1 Number of outgoing students placed year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
222	207	175	142	118

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: 14.82

5.2.2.1 Number of outgoing students progressing to higher education

Response: 87

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	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/ TOFEL/ Civil Services/State government examinations)

Response: 73.59

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

2016-17	2015-16	2014-15	2013-14	2012-13
87	73	73	71	52

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

2016-17	2015-16	2014-15	2013-14	2012-13
110	95	98	93	85

File Description	Document
Any additional information	View Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	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: 166

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

2016-17	2015-16	2014-15	2013-14	2012-13
41	35	43	35	12

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
e-copies of award letters and certificates	View Document

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

Response:

The main role of student representatives in academic and administrative bodies is to gather views from their peers regarding various aspects of their course and to communicate those to staff members. This can be positive feedback on aspects which work as well as concerns about issues which are negatively affect the student experience. Student representatives will also be invited to comment on and provide input to proposed changes to procedures or structures, in reaction to student surveys, external examiners reports, teaching programme reviews. They also report back to their classmates and they share information about any action that is decided as result of the discussion. Minutes of staff and student bodies will also be made available to all the students. The overall aim is to improve the learning experience for current as well as for

future students. Training is provided to student representatives to help them in their role.

Academic & Administrative Bodies:

- **Grievance Redressal Committee:**

The committee was formed to settle genuine grievances and to create a healthy relationship among the students in the campus. Few student representatives were identified in every department to find the grievances in their respective domains.

- **Training And Placement Cell:**

To assist students in their career planning and provides information that helps students to shape their future in a better way. The committee provides arrangement of industrial visits and placements to the students in their core subjects. Student members as the part of the committee request the management to get more core companies to the campus and also to provide more guidance through conducting seminars by professionals.

- **Women Welfare/Sexual Harassment Eradication Committee:**

The main objective of Women Welfare Committee is to empower girl students and female faculty, to enhance understanding of issues related to women and to make the campus a safe place for girl students and female faculty. With a view to take up women issues and problems, the cell aims at creating awareness of their rights and duties by conducting guest lectures. As a part, students should work actively to recognize the issues related to girl problems and to bring to the notice of the committee and to resolve them quickly.

- **Anti-Ragging Committee:**

College has an Anti-Ragging Committee consists of faculty and student members. The objective of the committee is to review and strengthen the measures to curb the menace of ragging and to make a zero tolerance ragging campus. Student members should identify ragging issues in the campus and should get to the notice of the committee to resolve them without creating any inconvenience to any student.

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: 16

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

2016-17	2015-16	2014-15	2013-14	2012-13
19	16	16	16	13

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

The reputation of an Institute depends on the achievements of its Alumni. In recognition of this fact, AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY established Alumni Committee in 2011 which aims to foster interactions and strengthen the bond between Alumni and the Institute through activities, programs and services for a mutual relationship. The Alumni committee organizes interaction sessions and orientation programs on various topics to its members on a quarterly basis. Alumni committee is providing scholarships to the deserved candidates through funds.

Our Motto is:

- To organize Alumni meet and greet the alumnus every year
- To develop healthy environment among its members through activities
- To update the activities on a regular basis in the Alumni website of the Institute
- To avail all the updated information in the website for the students
- Maintaining and updating Alumni database
- Updating various events in the website and social media to reach out to Alumni Association throughout the world
- To organise activities in a better way to improve skills
- To work out in a better way to reach their goals
- To conduct seminars on “Alumni Talks”
- To help out poor students through financial assistance

The management of Avanthi is even maintaining a committee to look into the activities in all aspects with relation to Alumni Association. A few experienced faculty from all branches was appointed as In-charges to maintain it in a better way. The committee is gathering at college premises twice in a year to discuss the issues which are likely to implement and also to strengthen the bond for a mutually beneficial relationship. On yearly basis, the committee is organizing interaction sessions to the current year students with ex-students to motivate them in all aspects by sharing their experience. The committee is working out to place AVANTHI'S Alumni on top position.

File Description	Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years

<1 Lakh

1 Lakh - 3 Lakhs

3 Lakhs - 4 Lakhs

4 Lakhs - 5 Lakhs

Response: 1 Lakh - 3 Lakhs

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years**Response:** 5

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

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

Vision

To develop highly skilled professionals with ethics and human values.

Mission

1. To impart quality education with industrial exposure and professional training.
2. To produce competent and highly knowledgeable engineers with positive approach.
3. To develop self confidence among students which is an imperative pre-requisite to face the challenges of life.

Objectives

To promote an integral and holistic growth of young and inquiring minds.

To strengthen their confidence and competence to capably handle the emerging trends in their related fields.

To empower them to face real life challenges.

To train them for employment and entrepreneurship.

Distinctive Characteristics of the Institution:

- 1.College is student centric which helps to understand how best the college can impart quality teaching and learning among the students.
- 2.Provide good infrastructure to cater modern technological needs and curriculum requirements of students.
- 3.Platform for students to incubate the managerial and entrepreneurship skills for their bright future.
- 4.Train up the students in to the personality development skills that will help them to succeed.
- 5.Providing quality learning facilities by utilising best teaching aids with better infrastructure.
- 6.Information about student's attendance and performance is provided to the parents through SMS service. Necessary counselling is given to the week and non performing students and extra care is taken by conducting remedial and backlog classes to clear their academics.
- 7.Indulge the human values in the minds of students to serve the society in a better way with ethical and moral responsibility.

Teaching and Learning process

Lesson plan will be prepared for every course and it will be monitored by academic committee.

Conduct of Workshops to share good practices among students and faculty to exchange their views and technology with other colleges students.

Research and Development

Faculty members are encouraged and supported to publish papers in conferences and journals through incentives like travel reimbursement, funding and awards.

Encouraging students in minor and major research projects for their curriculum requirements and their overall academic development.

The library has a collection of good number of books meeting the requirement of students and faculty for Research and Development. New titles and volumes of text books are added every year continuously by allocating required budget to procure books and e-journals to promote enthusiastic research and development.

Industry Interaction / Collaboration

With the enthusiastic encouragement by the top management, the departments enter into MoUs with the industries to students to get practical knowledge while sending themselves to the industry. Our college is having regular practice to invite Industry experts to give seminars on the advanced technology and latest trends in the market to enhance students skills and abilities. Interaction with industry helps to provide industrial visits, arranging training programmes and also helps the students to get placement.

File Description	Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The strength of the institution is its highly supportive and participative management at various levels. The college is committed for decentralization of academic and administrative activities.

Governing Body, a combination of Management, Principal, a few faculty, experts from Industry, nominees from University designs policies of the Institution based on the current needs. The Institution encourages the culture of involving all the stakeholders to be very participative in the implementation of policies. Governing Body, the policy making entity of the Institute, meets twice/thrice in an academic year and approves/ratifies the proposals/decision submitted/taken by the Member Secretary. The Governing Body also reviews the performance of the institutional activities done during the past. The budget for the current academic year also deliberated and finalized.

At Department level:

Department academic committee, Advisory committee and Department development committee perform their duties, the resolutions/feedback analysis made by them are brought to the notice of the IQAC to take the necessary action/ decisions.

At Institution level:

IQAC, Academic council, administration committee functions for better function of college at various levels of participative management in the college.

1. The Principal is the academic and administrative Head of the Institution.
2. Principal and Heads of the Departments collectively design a calendar of activities and the same is monitored and implemented by various committees in which the students and faculty are the members.
3. Both the Head and the faculty implement the plans and policies of the institution to achieve effective outcome.
4. The management consider the inputs received from the student representatives, lab technicians, class incharges & HODs

Management encourages and supports the staff in the decision-making process for improvement of the effectiveness and efficiency of the institute. Principal of the College is the member of the governing body which is highest decision making body. The faculty is appointed as members of various committees of the college.

The Institution has an enthusiastic and visionary management. The Management, Principal, Heads of the Departments and faculty are the constituent members of Internal Quality Assurance Cell (IQAC) that designs the quality policies based on the feedback of the stakeholders for improvement and implementation of the designed policies.

The management seeks the information from various sources like Principal, Directors, various college level committees, Accounts & Audit, Heads of the Departments, teaching staff and non teaching staff to review the activities of the institution.

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:

Institution follows academic calendar given by JNTUK, as our Institution is affiliated to JNTUK. Apart from University calendar, the Institution prepares our own academic calendar without deviating University calendar and it is approved by college academic committee. The college maintains harmony in the work culture with assured quality. It makes the Institution as a Centre of Excellence to the stakeholders value by

way of providing quality service to the society.

The Plans to develop the institute with advanced infrastructure and facilities, invest more into research facilities, Entrepreneur Development , Training and Placement. The Principal along with the Hods of the various departments plan the Academic Activities and to implement innovations in teaching and learning process.

The strategies are included in the institute's perspective plan for the Vision and Mission:

Periodical FDPs are organized to encourage and motivate staff to undertake the research work by creating assessments and procedure to determine curriculum effectiveness ,developing innovative Teaching, and Learning, practice evaluation procedure and implementing them in the academic work. Campus Recruitments Training Programs are being conducted for Industry requirement. Workshops are held to share good practice and experiences involving experimentation, collaboration among faculty and Students.

The Institution provides freedom to the Principal and College Academic committee for strategic implementation of the education policies and plans. Principal, Director(Academics), Heads of the Departments, Exam cell Coordinator, Department Academic Committee, Class Coordinators, Library Council, Professional Societies, R & D cell, Discipline & Anti-Ragging Council , Training &Placement Cell by decentralization of the academic activities of the Institution . The Governing body along with Principal and the respective departments formulate strategic plan such as:

Provides facilities of the Research work in all disciplines and encourage the faculty and students to participate in all curricular & co-curricular activities, encouraging the Students participation in paper presentations and attending Work Shops held at various colleges. Every department prepares its academic schedule in accordance with the available inputs and ensures for the effective implementation.

The leadership initiates interaction with the stake holders by organizing.

1. The Institution interacts with all stakeholders through Institute website.
2. The Institution maintains the mentor system by the faculty . The feed back received from the Students will be analysed by the Principal and Hods .Interaction of Principal with Heads and faculty through periodic meetings ensure implementation of Vision and Policies.

The institute is striving for hard work and to attain discipline excellence in every activity by careful planning and implementation .In order to achieve better examination results, additional classes are arranged beyond regular hours for the benefit of weaker students .To monitor the Students wearing of ID cards & attend classes in time, a mechanism is created with a group of faculty.

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 perspective plan for its development. It always implements strategic planning for substantial growth of Institution. The perspective plan of the Institution says to obtain autonomy. The following are its futuristic plans for development: Maintaining Quality Education with human values, to have accreditation of APEX bodies ,attain autonomous status and to become a hub for Research activities.

Organizational structure of the institution includes Governing Body, administrative setup and functions of various bodies, service rules, recruitment, promotional policies as well as grievance redressal mechanism.

College has constituted a proper selection committee for selecting and appointing the faculty members comprising the following members The Chairman / Secretary ,University Nominees, Principal and Hods and two independent subject experts. The Selection Committee would examine the caliber of the candidates and selects the suitable candidates, prepare the merit list and minutes .

There are three categories of faculty/staff in engineering college. Teaching Staff, Technical supporting staff and Non-Teaching staff. Whenever the institution requires to recruit the faculty position, the proper advertisement would be given in leading news papers. In the advertisement, it consists of position of the faculty and number of vacancies along with required qualification and experience. All the applications received in response to this advertisement would be properly scrutinized and a list of eligible candidates would be prepared by the screening committee. Further, the call letters for all these eligible candidates would be dispatched by scheduling a convenient date and time for interviewing the candidates

The rules related to the leaves, maternity leaves, faculty development programs, grant of leaves are being followed as per the AICTE. Allowances are provided for paper presentations in conferences and seminars. Members of the faculty who are pursuing their PhD(part time)and also those who attend the summer training programs organized by NIT and IITS are encouraged by the management. For all employees in the college, Service Registers are maintained.

Faculty members who are ratified by the University and in the position of Assistant Professors / Associate Professors can be promoted internally as per the AICTE guidelines.

To attend the grievances of the students in respect of academic activities, ragging etc, and the grievances of students. The Grievance committee shall entertain and hear the grievances or complaints of teachers and other employees working in the college.

The decisions taken in the meetings of the IQAC are communicated to all the faculty members through the HODs. On the whole, the Principal ensures quality in academic and administrative activities at the institution level.

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
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:

The elite decision making body of the college is the Governing Body. Governing Body of the college meets twice in a year in order to discuss various issues and aspects related to the development of the college and its academic standards. It includes considering and approving the institution strategic plan which sets the academic aim and objectives of the institution and identifies the financial, physical and staffing strategies and so on. It chalks out a roadmap in order to achieve the goals of the institute.

Roles and Responsibilities finalised through minutes of meetings:

- Monitoring institutional performance and quality assurance arrangements.
- Number of students joined and number of students discontinued list are maintained.
- Appointing faculty according to the norms of AICTE and affiliating University JNTUK.
- To improve the results of the overall institute irrespective of the branch.
- No. of students with distinction and first classes are maintained and ranks in the JNTUK exams
- Staff and students ratio is maintained according to AICTE norms.
- Student's assessment and feedback are taken into consideration and to make a note that results in the index of the teacher's performance.
- To improve the investments in R&D and identifying the focused area of research in R &D cell.
- Identifying the probable date for applying NAAC.
- Constituting all committees as per the guidelines of AICTE and maintaining records of all necessary committees.
- Considering the grievances/complaints of the students if found genuine

- Periodical industrial visits are conducted with prior permission from competent authority.
- Maintaining good track record of placements especially for core jobs.
- Planning and implementing curriculum of every academic program of the college as per JNTUK norms
- Arranging teaching requirements for completing academic programs such as guest lectures and seminars.
- Making arrangements for conducting examinations as required.
- Supervising the functioning of the Central Library of the college.
- Collaborating with other academic institutes and industry.
- Guiding the college hostel management and ensuring discipline amongst the students.
- Facilitating and supervising the co-curricular activities of the students.
- Responsible for procurements, maintenance of sports goods, play fields and other items related to the Physical Education.
- Encouraging students with awards, stipends, scholarships, medals and prizes and so on.
- Motivating and guiding students in order to utilize the placement and training activities.
- Appointing committees from amongst the college teaching faculty and experts from outside in order to sort out and advise on specific academic issues and consequently acting on the recommendations of such committees after due consideration.
- Appointing a review committee periodically in order to review all the Institute academic activities including the curricula, academic rules and regulations .and consequently acting on its recommendations after due consideration.
- Planning and executing activities for the overall academic growth of the college.

File Description	Document
Any 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:

Health Center:

The Institution has its own Health Center to provide necessary medical aid to all the students, teaching and non teaching staff in the campus. There are one Doctor and two Nurses. Consultation through Specialists is provided in the Health Center to all the inmates. All types of medicines are provided at free of cost. To meet the emergency, an ambulance is available in the institute. Medical leaves are provided for teaching and non teaching staff.

Free Transportation Facilities:

The Institute transport facilities include 20 buses, 03 cars, 01 ambulance.

The buses are provided to nearby towns such as Maddilapalem, Pendurthi, Gajuwaka and Vizianagaram to

make it convenient for the students coming from these areas. Buses leave the college in various timings to make it convenient for the students to utilize the Library and Internet facilities in the college after college timings for their development of skills in research work.

Recently the transport facility was provided to a far distance Srikakulam town for students.

Co-operative Stores and Canteen:

College co-operative stores are provided for all staff and students within the campus.

Two Canteens are available in the campus to cater the needs of the residents of the Institute at subsidized rates.

Other facilities provided by the administrative authorities

- Maternity leave as per the Govt norms.
- Authorised person for postal services to cater the needs of the faculty, staff and students.
- Employees Provident fund is provided for all non teaching staff members.
- Paid leave for curriculum course work who are pursuing Ph.D.
- TA and DA provisions for faculty development programs.

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: 17.49

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

2016-17	2015-16	2014-15	2013-14	2012-13
38	36	32	25	19

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: 3.8

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	4	3	4

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Reports of Academic Staff College or similar centers	View Document

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

Response: 19.87

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

2016-17	2015-16	2014-15	2013-14	2012-13
26	46	31	22	41

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

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

Response:

The performance is assessed yearly mainly in three areas Teaching, Research and Services. Based on the outcome, the contribution to the professional development account is decided. Also, the yearly review is discussed in one-to-one meetings with the Principal/Director where plans for improvement are also discussed and evolved. For tenure this ensures that the faculty achievements in academics are globally competitive and benchmarked. These letters play a central role in the decision to award tenure or select a

person.

The Performance Appraisal for teaching staff includes the following elements:

- A pre-observation meeting;
- A post-observation meeting;
- A summative report that includes a rating of the teacher's overall performance.

A Pre-observation Meeting: The pre-observation meeting is held for classroom observation. This meeting is held to

- promote a collegial atmosphere in the classroom;
- identify exactly what is expected during the lesson;
- discuss the teacher's plan for the classroom observation period;
- identify the expectations for student learning that are the focus of the lesson;
- discuss how the teacher's performance will be assessed, including a review of the competencies that will form the basis of the teacher's performance appraisal;
- establish teaching procedures in advance;

A Post-observation Meeting:

The teacher and Principal must meet to review the results of the observation and discuss other information relevant to the Principal's appraisal of the teacher's performance. The post-observation meeting should be held as soon as possible after the classroom observation.

During the post-observation meeting, the teacher and Principal must:

- discuss the competencies that they consider to be most relevant to the teacher's performance appraisal.
- discuss the teacher's professional growth goals and strategies
- discuss how the teacher might gather parental and student inputs in developing his/ her career

The Summative Report

The completed Summative Report for new Teachers and experienced must include:

- A record of meeting and classroom observation dates;
- The Principal's indication of the induction elements in which the new teacher has participated;
- the Principal's overall rating of the teacher's performance;

- Growth strategies if the teacher's performance is rated as satisfactory.

In the case of both new and experienced teachers, the Principal must collect evidence as a document to support his/her appraisal of the teacher's performance. The Principal must sign the Summative Report and give the teacher a copy after the classroom observation.

For teachers such as Physical education teachers, special education teachers, or guidance counsellors, the ordinary teaching environment would include, respectively, the gymnasium, a regular classroom where the special education teacher is working with particular students, or a guidance office or small-group setting where the counsellor is interacting with students.

For Non teaching Staff:

Yearly appraisal is done based on a framework evolved which assesses the quality and timeliness of the services being provided. Based on the outcome of review, the skills of the person may be enhanced if required in any particular area through training programmes, etc.

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:

Avanthi Institute of Engineering and Technology have a regular practice of conducting internal and external financial audits in a chronological order to achieve the targeted outcomes and to check the transparency of the resources allocation and utilization.

The institution is having qualified practicing Chartered Accountant as an External auditor who is looking into the matters related to accounts. Once the audit is done, the report is sent to the management for review. In addition to this, the institution is having consultants to give opinion on taxation and legal issues.

Institute level budget is approved by Governing Body at the end of each financial year for the next academic year. In every department few senior faculty were appointed as in-charges for the preparation of annual budget for recurring & non – recurring expenditure .Accounts officer prepares the institute level requirement and the detailed budget which will be submitted to the Principal for approval .Requirements of both Institute level and Department are discussed in HODs meeting and finalizes the total recurring and nonrecurring budget requirements. The comprehensive budget proposal is placed before the Governing Body for final approval. Effective monitoring system is in place from quotations stage to the installation and commissioning stage. Any additional requirements arise due to unforeseen expenditure may be discussed in the HODs meeting .Governing Body will monitor Quarterly review for the effective utilization of funds.

The college is filing income tax return every year within the stipulated time.

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

Response: 6.01

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

2016-17	2015-16	2014-15	2013-14	2012-13
1.21	1.3	1.1	1.2	1.2

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

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

Response:

Avanthi Institute of Engineering and Technology had an unique strategy for mobilization of funds to get a predefined out comes in an effective manner.

OBJECTIVES:-

- Prepares every plan to suit the vision and mission of the Institution.
- Ensures growth and development in a planned and phased manner with subsequent interval periods.
- Follows systematic strategic planning for mobilization, allocation and utilization of resources in an proper manner.
- Factors in sourcing availability of funds and listing the priorities level.

STRATEGIES:-

- The Institution should be financially viable from inception.
- Manage maintenance and operational costs through fees.
- Parallel models of planning for sustainability for the Institution.
- To develop an 'alternative model' that relies on infrastructure development through donors and foundations.

THE PROCESS OF PLANNING FOR SUSTAINABILITY:-

- Strategic Planning Committee & Retreats.
- For matters relating to Policy.
- Governing Body of the institution for operational matters.
- Governing Body and Academic Committee of the Institution for academic matters.
- Consultants and Collaborators.

STRATEGIES TO DEVELOP ALTERNATE CHANNELS OF FUNDS GENERATION:-

- Develop an investment plan for the funds at the disposal of the Institution.
- Maximize returns from use of the infrastructure of Institution.
- Maximize opportunities for returns from outsourcing utilities and services.
- Overlap sustainable clusters (Engineering, Management, Social Work etc.) with financially unviable clusters.

FUNDING RESOURCES:-

- Depends on fees of the students for college maintenance, normal development and expansion.
- Encouragement from the local companies through projects.
- Funds from the Avanathi Educational Society as a development motto.
- Alumni Association for development.
- Expertisation and consultancy work with the companies

MANAGEMENT OF FINANCE AND INVESTMENTS:-

- Finance Committee monitors internally generated funds with strict supervision.
- Principal and Administrative Officer handle day to day transactions for fair practice.
- Administrative Officer handles accounts and documentation for physical evidence.
- Statutory audit firm handles all accounts and projects in a periodic manner.

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:

Internal quality assurance cell has taken several initiatives to develop the internal quality of the organization while implementing the initiations from the academic stage onwards as follows:

HODs allot the subject to the faculty as per their specialization and their experience in the particular subject wise. The faculty members are instructed to submit the lesson plan, lecture notes before the commencement of the semester. This will be verified by the HODs and Principal for better and effective academic curriculum implementation. Academic Director and Senior faculty members are assigned to review the teaching methodology and effectiveness of the class room performance by both faculty as well as students. Continuous Assessment Test (CAT) will be observed by the following aspects implementation such as group discussions, assignments, PowerPoint presentations, seminars, mid examinations....etc. These

activities give an opportunity to the students to put their knowledge into application. The learner is the part of the learning process rather than just a spectator of the same. As part of the Parent Teacher meeting, Class counseling is the measure in vogue to review the teaching learning process.

The Academic Calendar is prepared before the beginning of the academic year by the JNTU Kakinada. With that guidelines, College administrates the academic aspects accordingly. This aids the facilitators and the learners in understanding the time schedule for implementation of the learning process. Dedicated teaching and non-teaching staff are strength of the teaching and administrative level learning process. Without a dedicated team, success cannot be achieved. Avanathi will treat the teaching and non teaching staff as their own family.

The College annually organizes Faculty Enrichment Programmes for promoting teacher quality through various levels like Personal, Professional and Self actualization. Their role as educators and mentors responsible for grooming the future citizens with right knowledge, values and ethical, moral attitude and skills. The institution conducts Personality Development Programmes semester wise apart from conducting various faculty enrichment programmes. The staff orientation programmes include Workshops, Interactive sessions, FDPs, Seminars and Motivational lectures from eminent persons on topics like role of information and communication technology in teaching and emerging trends in education system, changing paradigm of technological education system, Sharing Best Practices, Spiritual Qualities of Teacher, Team building of Teachers in International Perspective, Interpersonal Effectiveness, Art of Living , Holistic Transmission of Knowledge, ethical, moral, behavior sense, value education and job satisfaction etc. The positive outcomes of these programmes are reflected through the various initiatives taken by the faculty and the management towards development of the institution in all fields.

IQAC evaluate the Teaching & Learning processes:

- Monitoring of course files, lecture schedules.
- Verification of internal question papers.
- Arrangement of special classes for weak and backlog students during evening hours.
- Identifying the new processes and recommending the same for improving the quality.
- Organizing workshops, seminars and conferences for both faculty and students.

File Description	Document
Any 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:

Review of teaching learning process

IQAC committee members consisting of Principal, Directors and Heads of the Departments, Professors and Subject experts collaboration within the college to continuously review the teaching learning process.

Based on the recommendations made by the above body of individuals, specific measures taken are as follows:

- Class room sessions are made more interactive involving group discussions, paper presentations, seminars and workshops..etc.
- Teaching is made conceptual knowledge oriented to create an friendly environment in the classroom.
- Tutorial and laboratory hours are increased.
- A separate supervision on students of those who had low improvement in their academic aspect.
- Number of E-class room sessions is increased to develop the learning through visual perception concept.
- ITC class room also increased to develop the e -learning process to the students.

In addition to the classroom learning the following are also adopted and conducted by the institution.

- Field trips
- Industrial visits
- Guest lectures by academicians and industry experts
- Faculty development programs.

Methodologies of Operation and Learning Outcomes

Subjects are allocated to the faculty based on their specialization by the HOD. Prior of the semester, the following must be submitted to the HOD by the concern faculty member:

1. Lecture notes of all units of the allotted subject.
2. Course File
3. Lecture plan/lesson plan
4. PPTs & video lectures if any.
5. Two sets of internal exam papers for class assessment
6. Assignment questions
7. Weekly test questions
8. Model Question papers
9. Tutorial class work schedule
10. Value added programs of the concerned subject

- The college collects students feedback on teaching-learning process for all courses every semester.
- Regular students and faculty-mentor meetings are organized. In these meetings informal feedback on teaching-learning process is received. Both these feedbacks are reviewed by the central body and suggestions for improvement are conveyed to the concerned faculty members, if required.
- The central body also reviews the performance of students in the Mid-SEM and End-SEM examinations. If required, the committee members recommend the conduction of additional lectures and laboratory practice sessions.

Thus, the institution reviews its teaching learning process, methodologies of operations and learning outcomes at periodic intervals through IQAC.

File Description	Document
Any additional information	View Document

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

Response: 21.6

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

2016-17	2015-16	2014-15	2013-14	2012-13
25	23	24	21	15

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: A. Any 4 of the above

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

Institution leadership has taken many initiatives and steps to achieve excellence in terms of infrastructure and other facilities as well as faculty, staff and student's development schemes. Infrastructure development initiatives in the last five years are made a remarkable change in the average weight of admissions and the reputation of the organisation in the competitive market. The faculty members are encouraged to register for Ph.D. by giving full paid study leave up to two years. Faculty publications are supported by paying registration fees for National and International conferences. Faculty members are provided with incentives for research publications in reputed journals. College also pays registration fees for workshops and seminars. College takes initiative in promoting faculty sabbaticals and consultancy work. College takes initiatives in promoting research and development works by providing necessary financial and academic support.

Student development: Students are encouraged to participate in and organize various techno-cultural and sports events, entrepreneurship activities, paper presentation etc. College offers soft skills training, quantitative aptitude training, value addition courses at no cost. College conducts aptitude assessment with the help of the agency 'Aspiring Minds'. The test helps to find strengths and weaknesses of individual students. College has taken unique method to improve the placements by giving a unique training for the students to get succeed in the campus selections and off campus selections. this initiation have made growth in year by year incremental growth in placements.

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: 17

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	4	4	3	3

File Description

Document

List of gender equity promotion programs organized by the institution

[View Document](#)

Report of the event

[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:

a) Safety and Social Security:

The Institute is providing safety and social security advisory services to ensure overall good and safety management to all the girl students and female staff. The college is having Grievance redressal cell, which deals with all issues relating to girl students. Apart from safety concern, the college also conducts various programs on social security at regular intervals to provide the awareness about gender equity in the society. The college is concerned about safety of the students in the campus and in the buses. The College is maintaining CC Cameras at entrance of the campus, corridors in each and every department to monitor the students and staff and to avoid unnecessary issues in every aspect. Grievance redressal cell against sexual harassment awareness program on social security is maintained for the safety and security to the girls and female faculty for their general grievances, ragging issues and women harassment if any. With the safety as the motive of our institution, ensuring the safety measures to all the members of the college for the better environment.

b) Counselling:

One of the best practices in the organization is counselling system. Counselling system is organized by Heads of the Department and counsellors. This system is introduced to know the sensitive issues related to the members and to solve them in more sensitive way. The main objective/purpose of the counselling is to mould students in every aspect of life so that they become good citizens of the nation.

c) Common Room

Institution is running a separate common room for the girl students in every department for the benefit of the students. The students can take rest at regular intervals if they feel any inconvenience in their health.

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: 0

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

7.1.3.2 Total annual power requirement (in KWH)

Response: 330000

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

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 46.09

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

Response: 15.665

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 33.985

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

7.1.5 Waste Management steps including:

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

Response:**Waste Management**

Avanathi Institute of Engineering and Technology strives for eco friendly environment. With the motive of making pollution free environment in all aspects, recycling different types of unwanted waste like solid, liquid and electronic waste available in the campus. We are trying to reduce the waste of different sources which are responsible for degradation of environment. With this intention, we are using different waste in a useful manner.

Types of waste:

Solid Waste management: Different types of waste generated in the college campus are disposed in a proper and systematic manner with the help of certain private agencies that who collect the waste and use it for recycling.

- Dustbins are placed everywhere in the campus
- Plastic usage is strictly prohibited in the campus
- The dry waste in the campus is sent to the private agencies for recycling
- Food waste from canteens is sent to nearby nurseries for preparing bio-fertilizers
- Wet and dry waste is collected separately.

Liquid Waste management: The Institution is carefully planning to reuse the liquid waste in the college.

- Wastage of drinking water is restricted through proper monitoring
- Waste water from various sources is properly diverted towards plants to maintain the greenery in the campus as well as providing ecologically aesthetic environment
- Proper drainage system is arranged for all the buildings of the campus

E-waste management: The E-waste which is available in the campus like keyboards, monitors, hard drives, cables, printers IC'S PCB etc., is used in different ways

- E-waste generated is utilized as study materials for students in computer lab under the supervision of faculty.
- The condemned batteries and damaged computers are disposed through outside agencies
- The low configured computers are donated to the near by schools
- Other e-waste materials are properly disposed
- Awareness programmes are initiated on e-waste management

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rainwater harvesting (RWH) is a valuable alternative or supplementary water resource, along with more conventional water supply technologies. Water shortages can be relieved if rainwater harvesting is practiced more widely. With this concept, the Institution is practicing the rain water storage in the campus. This Rainwater is being used for multiple purposes. The rainwater harvesting is one of the alternative technology that we are using for delivering drinking water in the campus. Rainwater harvesting is a simple low-cost technique that requires minimum specific expertise or knowledge and offers many benefits. Rainwater harvesting systems are viable options both for storing water for domestic use and for recharging groundwater aquifer in the campus. The institution is increasing the ground level water through pits and we are using part of that that water for purification and also for drinking water and remaining to the plants.

1. Diversion of rain water accumulated on the roof top of a building through pipes into recharge pits designed at ground level just before rainy season.
2. Recharge pits have also been designed in the college campus for conservation of rain water.

To limit the wastage of water assets and to enhance the ground water level, we are storing the rain water into water pit situated in the grounds in the campus. The water saved through this method is directed to the plants through small channels for the growth of plants. This resulted in the growth of more plants in the campus and we made our campus green campus. With this we are trying to reduce the pollution in the campus through afforestation.

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:

Bicycles:

The faculty members and students residing nearby are encouraged to come by bicycles. Thus we

Prevent the emission of carbon dioxide in the campus. Whether due to health benefits, environmental factors, financial reasons more people are becoming bicycle commuters. In fact, cycling has grown in

popularity as a primary means of transportation throughout the past decade. It is essential in our college to provide educational programs and resources to students not only to promote cycling in a university setting, but also to ensure that students are riding safely.

Pedestrians Friendly Roads:

The campus has wide, well maintained black top roads, covering every nook and corner of it.

Plastic free campus:

Use of plastic bags and cups are discouraged in the campus. Even in the canteen usage of steel

Plates / leaf plates and steel cups or paper cups are mandatory.

Paperless office:

The College has taken keen interest to make the office a paperless office.

Ø The accounts/office and academic information is stored and maintained through systems only

Ø The complete campus is Wi Fi enabled, making it much easier for paperless activities

Ø Even the official information and circulars are preferred to be sent only through mails.

Green landscaping with trees and plants:

- The institute has taken several measures for planting to make Green Campus. 50% of total area is covered with trees and lawns. A number of trees exist at different places in the college.
- Proper supervision is carried out by concerned authorities (switch off classroom power supply for fans and light points). Awareness programmes are conducted.

Public transport

As the institute is beside NH-16, it is very easy for students and parents to commute.

The benefits of public transportation are not reserved only for saving on fuel, parking and other car-related costs. Mass transit can be a considerable time saver, especially in areas where rail travel or surface transit lanes shorten commuting times. Even if public transportation does take slightly longer than would a commute by car, students who leave the driving to someone else can do homework or finish up on reading while using mass transit. This can open up time in students schedules to do tasks that might otherwise be difficult to get to.

Environmental Society

We believe in promoting a society which cares: cares to protect, preserve and conserve. Realizing the importance of sustainable development many activities are undertaken to make the campus environmentally friendly and students sensitive to the ecological issues. Some activities include the introduction of eco-friendly paper cups in the cafeteria.

- Massive tree estate making excellent roads on grounds.
- **vanam manam** planted plants across the campus.
- Promoting the soul of '**Swacch Bharat**' on grounds through including the understudies and the staff in '**Swacch**' program.
- College campus is lush-green campus with a large number of plantations. The campus is also a plastic free campus and mostly paper cups and other alternative material is used instead of plastics.

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: 0.74

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)

2016-17	2015-16	2014-15	2013-14	2012-13
2.95	3.02	2.85	7.56	1.78

File Description	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
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years**Response:** 16

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

2016-17	2015-16	2014-15	2013-14	2012-13
3	4	3	3	3

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	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:** 17

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

2016-17	2015-16	2014-15	2013-14	2012-13
4	3	4	3	3

File Description	Document
Report of the event	View Document
Details of initiatives taken to engage with local community during the last five years	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
Provide link to Courses on Human Values and professional ethics on Institutional website	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
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: 4

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

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

Response:

Avanathi Institute of Engineering and Technology aims to inculcate patriotism in the students by celebrating the national festivals in the college campus. The rich and vibrant festivals of India are a testimony to our diverse tradition and culture. Along with traditional culture of India, the institute is aiming to develop the students in national tradition i.e patriotism in the students by celebrating national festivals in the college. Every year the college celebrates the national festivals like Independence Day, Republic Day and Gandhi Jayanthi in the campus. To motivate the students in these aspects we conduct essay writing competitions, debate and paper presentation etc to develop the love towards the nation. Mahatma Gandhi's Jayanti is celebrated in the campus to commemorate the birth anniversary of the father of the nation. Every year, this auspicious occasion is celebrated with zeal and enthusiasm. Along with fun and enthusiasm and various celebrations, the qualities of simplicity, sensitivity and creativity are highlighted among the students by organizing these types of ceremonies in the college. Every Year college is celebrating Independence Day to show that there is always a way out to win when all the doors are closed. It is celebrated to remember the history and respecting the people who sacrificed their lives for the country. Republic Day is celebrated to show how the country became truly a sovereign state.

Along with the celebration of national festivals the institution is also celebrating the birth and death anniversaries of great Indian leaders who fought for the country and render their services for the country. Gandhi Jayanthi and Vardanthi is celebrated in the campus every year to show how the non violence and peace can be maintained and achieved through an individual by showing Gandhi as an example. Swami Vivekanada birth day is celebrated to show how Indian nationalism is grown by him and his love for his mother land. He is the source for the youth to show how to respect women, parents and how to maintain brave .courage and fearless attitude .Dr.A.P.J.Abdul Kalam birth and death anniversary is celebrated to develop the value of education in the youth who are the future of country .His view of knowledge is to share and to develop the young minds in better way. Mother Teresa birthday is celebrated to develop the love and serve the human kind concept in the students. With the aim of serving the need we are celebrating mother Teresa birthday as a part of it .Abul Kalam Azad birth day is celebrated as the Educational Day to promote the value of education system in the students. Sri Sarvepalli Radha Krishnan birthday is celebrated as Teachers day in campus every year to inculcate the ethical and moral values in the students. MokshaGundam Vishweswarayya birthday is one of the essential celebrations in the college to show the students the crucial role of an engineer in the modern society

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:

Financial functions: The management shall primarily be concerned with all the financial affairs of the college.

- Timely and accurate billing and collecting of student tuition, fees and other miscellaneous charges.
- Prompt crediting of each student's account.
- Preparation of annual financial statements.
- Preparation of the college budget.
- College financial statistics and other related reports and submitting of Management reports to Finance Officer.

Academic functions: The Academic Committee shall primarily be concerned with all the academic affairs of the college, encompassing academic staff, academic planning, instructional issues, students, co-curricular activities, discipline and so on. It is the responsibility of Academic Committee to endeavour and ensure the best practices are implemented and standards are maintained.

The Academic Committee shall exercise the following functions:

- Arranging teaching requirements for completing academic programs.
- Making arrangements for conducting examinations, as required.

- Supervising the functioning of the Central Library of the college.
- Collaborating with other academic institutes and industry.
- Creating a conducive environment in order to develop entrepreneurship.
- Ensuring discipline amongst the students.
- Facilitating and supervising the co-curricular activities for the students.
- Encouraging students with awards, stipends, scholarships, medals and prizes and so on.
- Planning and executing the overall academic growth of the college including apprising.

Administrative functions: The specific duties and responsibilities of administrative positions are assigned by the Chairman in accordance with law and college policy. The general duties and responsibilities of each administrator will include

- To plan, organize, and administer the activities of department, office or division efficiently.
- To recommend the organizational structure and staffing that complement his/her area of responsibility.
- To maintain effective relations with faculty, students and community, and other educational institutions and to interpret college policies and programs accurately and constructively.
- To implement a plan to supervise students attending courses during the day, in the evening or weekend and at clinical internship dates.

Auxiliary functions:

Transportation and Parking: The management provides parking facilities, parking access controls and campus bus services.

Canteen Services: College has the facility of spacious, clean and hygienic canteens that caters to the taste of all students. Canteens can conveniently accommodate 200 students at a time. The College has a two canteens and one cafeteria inside the campus in which variety of dishes are available at most nominal rates. The canteens and cafeterias remain open on all working days. It provides all types of nutritious and hygienic eatables and beverages to cater to the students, staff and visitors.

Co-operative Stores: All stationary items are made available in the co-operative stores at reasonable rates, fixed by the college management.

7.2 Best Practices

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

Response:

AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY has the motive to improve the standards of the college academically, culturally and also in various aspects. The institution wants their students and staff to be successful in their life. With this intention the college is practicing various methods and best practices to improve the results in every aspect. A best practice is a method to produce results that are achieved by other means. Best practices are used to maintain the quality to reach the standards of the needs of the society. These best practices which the college is following are inherent part of a curriculum that exemplifies the connection and relevance identified in educational research. The

college has many best practices like teaching learning process, Student mentoring system, Remedial coaching classes, Eco friendly campus, Sports and library in curriculum, Projects handling by the college, NSS, Industrial tours, Guest lecturers, CRT, etc. Mentoring system is one of the best practice that the college is following in that there is a mentor who look after the various issues related to the students. Psychologically, academically and in various aspects the students are monitored by the mentor. The faculty member acts as counselor and also as a mentor and counsel the students in all aspects with the help of the parents through meetings and find out actually where the student is lacking. This practice is used for problem solving for active learning. This practice makes the student more active learner. The college is following this practice with a keen intension to bring the positive results in the students. Remedial classes is the another best practice to make the students to copup with the studies and also to meet the needs of the students. Eco friendly campus is the another major practice that the institution is following to protect the environment. Paperless office, pollution free zone, pedestrian roads, reduction of waste, rainwater harvesting etc. The institution strongly believes that introducing these type of practice motivate, engage, and prompt students to learn and achieve. Students who receive a balanced curriculum and posses the knowledge, skill and abilities to transfer and connect ideas and concepts across disciplines will be successful as measured by the indicators of the student success.

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:

The distinctiveness of Avanathi institute of Engineering & Technology consists mostly in creating for its students an ambience that provides a 'probing environment' in the area of career and setting of goals for their social sustainability. To make benefit, the college is providing Campus Recruitment Training (CRT) classes.

Objectives of the CRT Program:

- To identify the talented and qualified professionals before they complete their education.
- To guide students to choose right career and meet the manpower requirements of the Industry.
- To assist students to develop/clarify their academic and career interests and their short and long-term goals through individual counselling and group sessions.
- Gathering information about job fairs and all relevant recruitment advertisements.
- To assist students in obtaining placement in reputed companies.

The performance of the institution in campus recruitment training (CRT) reaches highly to its vision, mission and aim of the institution.

Vision:

- To develop highly skilled professionals with ethics and human values

Mision:

- To impart quality education with industrial exposure and professional training
- To produce competent and highly knowledgeable engineers with positive approach
- To develop self confidence among students which is an imperative pre-requisite to face the challenges of life

CRT:

Our organization has students from rural, semi-urban backgrounds, where their communication is very poor. To prove themselves in this competitive world they should have a good communication skills. For this context our institution took an initiation to improve students communication skills and also reaches its vision through campus recruitment training program. The institute is giving campus recruitment training to all the students to make them confident in all the ways. To improve the quality of career choices for students we are providing them with training programmes. Our motive is to identify the talent and make our students professional in all the aspects before they complete their education. The students entering the institute typically who have an average academic record like SSC, Intermediate and EAMCET. We are trying to give the best effort to them through communication training and campus training. We conduct mock interviews, personality development skills to train themselves to reach their goal that is to provide employment to them. We are also giving training on soft skills, resume preparation, personal interviews, Group discussions, JAM Sessions and frequently asked questions in interviews to the students to cross each of the various levels that company conduct to them. In addition, regular competitions have been conducted to obtain the confidence they need on their own abilities. In addition to the elaborate training program, such efforts have helped the students revise themselves.

Finally, by conducting campus recruitment training, the institution is cater to the needs of the students of AIET and it involves many HR Consultants and Agencies to give their best to the students.

Some of the Consultants and Agencies are:

- 1.Coign Management Solutions., Hyderabad
- 2.Tapasya Infotech., Hyderabad
- 3.RICHMAN & FREELAND., Hyderabad
- 4.Omega, Hyderabad

File Description	Document
Any additional information	View Document

5. CONCLUSION

Additional Information :

The Avanathi Institute of Engineering and Technology is the outcome of sound strategic planning of the Avanathi Educational Society, committed towards achieving excellence in the fields of academic and research. This self study report- 2017 is a collective effort of all the faculty members and it briefs about the active teaching, learning and evolution process and contribution of the faculty and students, governance and quality management of the Institution for the past 5 years. However, number of quality publications, training and placements are significantly improved during the current academic period. The Management, Director, Principal and faculty are always stepping in together for designing and executing the quality policies and plans.

Concluding Remarks :

In continuation of our endeavour to achieve excellence in providing quality education, Avanathi Institute of Engineering and Technology, is pleased to present Self Study Report to NAAC for Assessment and Accrediation of the Insistution.Preparation of the self study report as per the format of NAAC has given us the opportunity to compile and understand the various aspects of quality education. To the best of our knowledge and understanding, the report has been prepared and hopes to meet the expectations of the NAAC committee for the accreditation process. Since, it is the combined effort of all the staff members of this Institution, I, as the Principal and Head of the Institution congratulate all the members of NAAC steering committee, IQAC cell, as well as all the staff members who helped directly or indirectly for the preparation of SSR.