



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by A.I.C.T.E., New Delhi, & Permanently Affiliated to J.N.T.U.K., Kakinada)

NAAC B++ Accredited Institute

Cherukupally (Village), Near Tagarapavalasa Bridge, Bhogapuram (Mandal), Vizianagaram -531162.

www.aietta.ac.in, principal@aietta.ac.in

6.1.1

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

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INSTITUTE LEVEL VISION, MISSION AND QUALITY POLICY

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 is an imperative pre requisite to face the challenges of life.

Quality Policy:

Avanthi Institute of Engineering and Technology, emphasizes the ethical ideals to innovate advanced training by creating the best possible infrastructure through an engaging, activity-oriented teaching. It also uses the most updated information and communication technology to enhance an engineering approach among the students, aiming for an effective and ambitious administration which is responsive in all the aspects.

DEPARTMENT WISE VISION & MISSION, PEOs & PSOs,

SHORT TERM & LONG TERM GOALS

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Vision:

To emerge as recognized center through strong research and teaching environment to address technological needs of the stakeholders.

Mission:

The Mission of the Department of Computer Science and Engineering is to:



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M1:

Provide quality education in both the theoretical and applications of computer science and apply education to solve real-world problems.

M2:

Conduct research to advance the state of the art in computer science and integrate research results and innovations into other scientific disciplines.

M3:

Graduates with ability to solve complex problems that address societal needs and develop appropriate computer Programs with latest tools and technologies.

M4:

Graduates with ability to pursue advanced education, research, other creative and innovative efforts in computer science & engineering for successful career.

Program Educational Objectives (PEOs)

PEO1:

Graduates are prepared to be engineering practitioners in the areas of computer science and Engineering to solve industry's technological problems.

PEO2:

Graduates are prepared to be employed in IT industries through advanced education, research and development and entrepreneurial skills.

PEO3:

Graduates are prepared to be responsible computing professionals in an ethical manner.

Program Specific Outcomes (PSOs)

PSO1:

Analyze the problem and identify computing requirements appropriate to its solution.

PSO2:

Design and development of software based solutions to the real world problems.

PSO3:

Adapt to a rapidly changing environment by learning and employing emerging software tools and technologies.



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SHORT TERM GOALS:

- To acquire endorsement from the National Assessment and Accreditation Council – NAAC
- To develop the department into the centre of excellence.
- To establish a research center.
- To achieve distinguished academic results.
- To create the highest caliber of communication skills among students.

LONG TERM GOALS:

- To develop more research programmes in Computer Engineering field.
- To achieve cent percent placements.
- To encourage industry – institution partnership with the collaboration of the department, private software industries and Public IT sectors.
- Continuous improvement in infrastructure and lab equipment.
- To offer more employability through Training Programmes.

DEPARTMENT OF CSE (DATA SCIENCE)

Vision:

To emerge as a center of technical expertise in the field of CSE (Data Science) by producing globally competent professionals with technical & research capabilities, ethical values and team spirit.

Mission:

The Mission of the Department of CSE - Data Science is to:

M1:

To produce competent software professionals.

M2:

To induce application oriented and research capabilities in students for the betterment of society.

M3:

To inculcate ethics and human values in students to adapt to the dynamism in the field of computing technology.



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DEPARTMENT OF CSE (AI&ML)

Vision:

To be in the frontiers of CSE (AI & ML) with academic excellence and research so as to produce technically competent and socially responsible engineers.

Mission:

The Mission of the Department of CSE - AI & ML is to:

M1:

To impart knowledge through the state-of-the-art concepts and technologies in AI & ML by adapting rigorous Teaching Learning process.

M2:

To instill in students a zest for research to resolve complex engineering problems to meet industry demands.

M3:

To encourage students' all-round professional growth, by inculcating moral values and leadership abilities, so as to deal with societal issues.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Vision:

To be a Centre of Excellence for High Quality Education and Research in the field of Engineering and Technology & human values with commitment of service for betterment of society and nation.

Mission:

The Mission of the Department of Electronics and Communication Engineering is to:

M1:

To facilitate young engineers to acquire technical exposure in the areas of Electronics and Communication Engineering.



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M2:

To prepare students for a brilliant career/entrepreneurship along with the development of knowledge, skills, attitude and teamwork for a successful professional career.

M3:

To ensure effective teaching-learning process to provide in-depth knowledge of principles and its applications.

M4:

To provide value based education by promoting the activities meeting the societal needs.

Program Educational Objectives (PEOs)

PEO1:

To prepare Graduates with sound foundation in fundamentals of mathematics, science and engineering to assist them exhibit strong, independent learning, analytical & problem solving skills in Electronics and Communication Engineering domain.

PEO2:

To facilitate learning in the core field with effective use of modern equipment and programming tools to solve real life, multi-disciplinary problems with professional, ethical attitude and also to make them aware of their social responsibilities.

PEO3:

To assist and enable individuals to imbibe lifelong learning in thrust areas related to research & innovation to have Progressive Careers or Entrepreneurs.

Program Specific Outcomes (PSOs)

Engineering Students will be able to:

PSO1:

The ability to apply concepts in electronics and communication engineering, to design and implement complex systems in the areas related to analog and digital electronics, communication, signal processing, VLSI & ES.

PSO2:

Ability to provide discerning solutions based on the expertise in electronics and communication courses in competitive examinations for successful employment, higher studies and research.



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SHORT TERM GOALS:

- Introduce innovative teaching pedagogues.
- To acquire endorsement from the National Assessment and Accreditation Council – NAAC
- To encourage Industry-Institute-Interaction, resulting in consultancy, collaborative projects, training, and student projects.
- To Increase the number of Industrial visits and Advanced Industrial Training.

LONG TERM GOALS:

- To continue to focus on a few important interdisciplinary areas of excellence that will create outstanding programs of research and innovation while contributing to a strong undergraduate learning experience.
- To encourage industry – institution partnership with the collaboration of the department, private and public sectors.
- To achieve cent percent placements.
- Continuous improvement in infrastructure and lab equipment.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Vision:

To emerge as a Center of Excellence for disseminating knowledge and research in the area of Electrical and Electronics Engineering.

Mission:

The Mission of the Department of Electrical & Electronics Engineering is to:

M1:

Impart quality education for addressing the needs of present & emerging technological world.

M2:

Interact with industry and research organizations to provide a unique set of well- rounded learning skills.



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M3:

To enable graduates to take on the mantle of higher responsibilities in the domain of Electrical Engineering.

M4:

To produce competent and highly knowledgeable engineers with positive approach and self-confidence to face the challenges of life.

Program Educational Objectives (PEOs)

PEO1:

To produce graduates with a strong foundation in the Basic Sciences, Mathematics, Computing and core knowledge in Electrical and Electronics Engineering through high quality Technical Education.

PEO2:

To prepare graduates for successful and productive engineering careers, with emphasis on technical competency and with an attention to serve the needs of core and associated sectors by developing novel products and solutions for the real-time problems in a socio-economic way.

PEO3:

To inculcate ethical attitude, honing effective communication skills and managerial skills to work in a multidisciplinary environment as a technocrat/administrator/entrepreneur and to acquire the knowledge for pursuing advanced degrees in Engineering, Science, Management, Research and Development.

Program Specific Outcomes (PSOs)

Engineering Students will be able to:

PSO1:

Apply the concepts of Power Systems, Power Electronics and utilization of Renewable Energy in implementation of interdisciplinary projects.

PSO2:

Acquire the knowledge of Electrical and Electronics Engineering to participate in national and international competitive examinations for successful higher studies and employment.

SHORT TERM GOALS:

- Placement of students in core companies
- Training the students to bridge the gap between industry and academia.



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- To establish a research center.
- Industry and institute interaction.
- To acquire endorsement from the National Assessment and Accreditation Council – NAAC

LONG TERM GOALS:

- Institute collaborations with universities.
- Continuous improvement in infrastructure and lab equipment.
- Research projects and with good publications.

DEPARTMENT OF MECHANICAL ENGINEERING

Vision:

To maintain high standards of Mechanical Engineering education through outstanding innovative curricular research training that reflects the changing needs of society.

Mission:

The Mission of the Department of Mechanical Engineering is to:

M1:

Prepare effective and responsible graduate engineers for global requirements by providing quality education.

M2:

Constantly strike to improve pedagogical methods employed in delivering the academic programs.

M3:

Respond effectively to the needs of the industry and changing world.

M4:

Conduct basic and applied research and to generate intellectual property.

Program Educational Objectives (PEOs)

PEO1:

To apply technical knowledge in the domain of core engineering and allied disciplines contributing to society through interdisciplinary expertise.



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PEO2:

Strengthen technical competence by enhancing their self-learning capacity throughout their professional career as well as to pursue higher education.

PEO3:

Explore their artistry in emerging areas of engineering flourishing their leadership qualities pertaining to ethical innovation with social responsibility.

Program Specific Outcomes (PSOs)

Engineering Students will be able to:

PSO1:

To solve engineering problems through delineation and perusal relating to mechanical systems and other allied engineering streams with / without advanced software tools.

PSO2:

To work solitary / array in developing core and multidisciplinary concepts for effective utilization of resources ensuring the best practices in the relevant.

SHORT TERM GOALS:

- Placement of students in core companies
- Training the students to bridge the gap between industry and academia.
- To establish a research center.
- To acquire endorsement from the National Assessment and Accreditation Council – NAAC

LONG TERM GOALS:

- Research projects with good publications.
- Continuous improvement in teaching learning methodologies.
- Research projects and Consultancy.
- All Faculties shall acquire doctorate degrees.



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DEPARTMENT OF CIVIL ENGINEERING

Vision:

To maintain high standards of Civil Engineering education through outstanding innovative curricular research training that reflects the changing needs of society.

Mission:

The Mission of the Department of Civil Engineering is:

M1:

To produce Civil Engineers of high ability, technical skills and ethical values to serve the Society and Nation.

M2:

To make the department a centre of excellence in the field of Civil Engineering.

M3:

To provide knowledge base and consultancy services to the community in all areas of Civil Engineering.

M4:

To promote innovative thinking in the minds of budding engineers to face the future challenges.

Program Educational Objectives (PEOs)

PEO1:

Graduates will excel as successful Civil Engineers, Academicians and Researchers.

PEO2:

Graduates of the programme will continue to engage in lifelong learning, possess good communication skills, managerial skills, team work and social responsibility while exhibiting ethical attitude.

PEO3:

Graduates of the programme will explore and apply the modern Engineering tools for Planning and Designing of various Civil Engineering projects that are technically and economically viable.

Program Specific Outcomes (PSOs)

PSO1:

Students will be able to Plan, Survey and Estimate and execute various Civil Engineering Projects.



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PSO2:

Students will be able to Design Sub-Structure, Super-Structure and Pavements.

PSO3:

Students will be able to apply the techniques for design of various Water front structures and solving the various Environmental issues.

DEPARTMENT OF BASIC SCIENCES & HUMANITIES

Vision:

The department of Basic Sciences and Humanities is devoted to enhance the knowledge and understanding of the students in the field of basic sciences. The department is dedicated to provide the basic education through promoting research in diverse and interdisciplinary fields and strives to equip the students with knowledge and skills in order to excel in any field through an effective and time-tested syllabus.

Mission:

The Mission of the Department of Computer Science and Engineering is to:

M1:

To widen the intellectual acumen and to bring out excellence among students.

M2:

To imbibe the qualities of optimism, along with a sense of responsibility to a larger community.

M3:

To recognize the innate or innate talents in each student.

M4:

To develop the overall personality of a person - mind, body and spirit.

M5:

To inculcate the habits of social responsibility, honesty, humility and persistence.



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DEPARTMENT OF MBA

Vision:

To be a leading management department that contributes to the development of society through excellence in grooming leadership, entrepreneurial talent and research.

Mission:

Our mission is to impart value based management education, open new avenues for employment generation by developing skill and competency of the students and transform them professionals through a relentless pursuit of excellence in teaching, research, consultancy, management development and industry-institution interaction in the country and abroad.

SHORT TERM GOALS:

- Training the students to bridge the gap between industry and academia.
- To acquire endorsement from the National Assessment and Accreditation Council – NAAC
- To achieve distinguished academic results.

LONG TERM GOALS:

- Faculty with good research projects and publications.
- Continuous improvement in teaching learning methodologies.
- To achieve cent percent placements.

PRINCIPAL

Avanthi Institute of Engg. & Tech.
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LIST OF GOVERNING BODY MEMBERS FOR THE A.Y 2020-21

S.No	Name and Designation	Role
1	Smt. M. Gnaneshwari President, Avanathi Educational Society	Chairperson
2	Mr. M.V.V.S. Nandish Vice President, Avanathi Educational Society	Member
3	Mr. N. Sai Ram Secretary, Avanathi Educational Society	Member
4	Dr. M. Priyanka General Secretary, Avanathi Educational Society	Member
5	Mr. I. Shravan Kumar Treasurer, Avanathi Educational Society	Member
6	Dr.A.V.Paparao Professor, JNTUK, Kakinada	Member – University (JNTU-GV) Representative
7	Dr.Gandi Satyanarayana Professor and Head, Dept. of CSE	Member
8	Dr. A. Chandra Sekhar Director, Avanathi Institute of Engineering and Technology	Member
9	Mr. A. Arjuna Rao Vice Principal	Member
10	Dr. S.N.V.Ganesh Principal, Avanathi Institute of Engineering and Technology	Member Secretary



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Functions of the Governing Body:

- Guide the college while fulfilling the objectives for which the college has been granted autonomous status.
- Institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendations of the Academic Council
- Approve new programmes of study leading to degrees and/or diplomas.
- All recruitments of Teaching Faculty/Principal shall be made by the Governing Body/state government as applicable in accordance with the policies laid down by the UGC and State Government from time to time.
- To approve annual budget of the college before submitting the same at the UGC.
- Perform such other functions and institute committees, as may be necessary and deemed fit for the proper development of the college.


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LIST OF INSTITUTIONAL COMMITTEES FOR THE A.Y 2020-21

S.No.	Committee Name	Name of the coordinator
1	Academic planning and Advisory committee	Dr. S.N.V.Ganesh, Principal
2	Faculty Recruitment committee	Dr. A. Chandra Sekhar, Director
3	Examinations/Time tables/Admissions committee	Dr. S.N.V.Ganesh, Principal
4	Students Grievance & Redressel committee	Dr. A. Chandra Sekhar, Director
5	Students welfare committee	Mr. A.Arjuna rao, HOD-EEE, Vice Principal
6	Examinations Grievance Redressel committee	Dr. S.N.V.Ganesh, Principal
7	Internal Training committee (Managerial / Soft / Communications Skills)	Mr. M. Rupu Sundar, TPO
8	Finance committee	Dr. A. Chandra Sekhar, Director
9	NSS committee	Mr. Sk. Sharief, Mech Dept.
10	Internal Audit committee	Dr. A. Chandra Sekhar, Director
11	Sports / Games committee	Mr. A.Arjuna Rao, HOD-EEE, Vice Principal
12	Transport committee	Mr. V.Siva Bhaskar rao, HOD-ECE
13	Arts / Cultural committee	Mrs. P.Sri Lakshmi, HOD-CSD & CSM
14	Library committee	Ms. M.Lakshmi Sramika, HOD-Mech.
15	Internal complaints committee	Mrs.Ch.Roopa Devi, CSE Dept.
16	Scholarships committee	Mr.V.Pradeep Kumar, Mech. Dept.
17	Website committee	Dr. Gandhi Satyanarayana, HOD-CSE



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18	Alumni committee	Mr. D.Rahul, ECE Dept.
19	Discipline committee	Mr. A.Arjuna Rao, HOD-EEE, Vice Principal
20	Computer network & Systems Maintenance committee	Mr. S.Kesava rao, CSE Dept.

LIST OF INSTITUTIONAL CELLS FOR THE A.Y 2020-21

S.No.	Cell Name	Name of the coordinator
1	Internal Quality Assurance Cell (IQAC)	Dr. Gandhi Satyanarayana, HOD-CSE
2	Carrier Guidance & Training and placement cell	Mr. M. Rupu Sundar, TPO
3	Research and Development cell (R&D)	Dr. B. Avinash Ben, HOD-Civil
4	Entrepreneurship Development Cell & Industry Institute Interaction	Dr. U.Ramu, HOD-MBA Dr. A.M.Venkata Praveen, Mech. Dept.
5	Anti-Ragging Cell (ARC)	Mr. A.ArjunaRao, HOD-EEE, Vice Principal
6	SC / ST Cell	Mr. A.ArjunaRao, HOD-EEE, Vice Principal
7	Minority Cell	Mr. Sk. Sharief, Mech. Dept.
8	Press & Media Cell	Mr. J.R.G.Patnaik, HOD-BS&H
9	Right to Information Cell	Mr. J.R.G.Patnaik, HOD-BS&H
10	Women Welfare/Sexual harassment eradication cell	Mrs. Indira, BS&H Dept.

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