AISHWIRYA COLLEGE OF ENGINEERING AND TECHNOLOGY
Paruvachi, Bhavani – 638312.
Web: aishwaryacollege.com, E-mail: acetdr@gmail.com

Department Details for Website

Name of the Department: CIVIL ENGINEERING

1. Vision:

The department vision is to continue to achieve national and international recognition through innovation in civil engineering education and research, and through the impact of our research and alumni in three focus areas: advanced infrastructure systems; environmental engineering, sustainability, and science; and mechanics, materials and computing. Our vision includes our department being a collegial, collaborative and welcoming environment in which to learn and work.

2. Mission:

The mission of the Department of Civil Engineering is to develop highly competent professionals, preparing them for entry-level positions in civil engineering, further study in graduate school, life-long learning, and societal leadership. Allied with both the School of Engineering's and the College's mission, the Department of Civil Engineering is proud of its public service mandate to educate future entrepreneurs and engineers to the nation, fostering intellectual growth of our students so that they may become productive citizens in the service of humanity. The Department is dedicated to providing a dynamic learning environment that emphasizes open-ended design, problem-solving skills, team work, communication, and leadership skills.

To accomplish its mission, the Department of Civil Engineering:

- offers an exceptional curriculum including in-depth coverage in four technical sub-disciplines of civil engineering: Geotechnical engineering, Structural engineering, Transportation engineering, and Water Resources engineering, as well as broad coverage in: Computer Aided Design, Construction Management, Environmental engineering, and Surveying;
- engages students in creating innovative design solutions that include realistic constraints such as economic, environmental, social, political, ethical, health and safety, constructability, sustainability, and global considerations, and disseminating these designs at national and regional venues;
- provides undergraduate research experiences, allowing students to work closely with members of the faculty; and
- employs highly dedicated faculty members who are effective teacher-scholars committed to maintaining a learner-centered undergraduate environment with emphasis on student mentoring.

3. About the Department:

Established in 2009, the department offers a B.Tech. programme, The department comprises of divisions of Construction Technology, Structural Engineering, Environmental Engineering, Material Testing, cement & concrete, Geotechnical Engineering, Transportation Engineering, Water Resources, Surveying and GIS. Well equipped state-of-the-art laboratories like Material Testing and water standards and sewage standards examinations. The department also organizes Training Programmes and Workshops for students as well as professionals from time to time. The department also offers Minor Specialization in Software development for the students of B.Tech.

The resources at the department, both literary resources as well as equipment in laboratories facilitate the teaching learning process and help students imbibe the theoretical concepts, their real time implications and their applications. The 4 month practical training in the 8th semester acts as a

buffer between their transitions from students to professionals and introduce them to on-site projects.

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4. **Laboratory Facilities:**

Laboratory Name
Computational laboratory
Geotechnical Engineering laboratory
Strength of Materials laboratory
Environmental Engineering laboratory
Surveying and Remote Sensing laboratory
Transportation laboratory
Hydraulics Engineering laboratory
Structural Engineering laboratory

Equipment details:

Equipment Name	Cost
Universal Testing machine	375000
Total Station	168000

5. **Software Available:**

Software Name
AutoCad
Revit Architecture
CAD Detailing
STAADPro

6. Value Added Course (VAC):

VAC Name
TotalStation Workshop
3Dmax
Revit Architecture
Lumion

Faculty In charge	
Name	Mahesh sankar.D
Designation	Lecturer in Civil
Qualification	B.E.,
Experience	2 Years

7. Faculty Profile:

1	Name:	Gopinath.M
	Designation	HOD/Civil
	Qualification	M.E., MBA.,
	Experience	2Years
2	Name:	Velmurugan.R
	Designation	Asst. Prof in Civil
	Qualification	M.E.,
	Experience	1Year
3	Name:	Mahesh sankar.D
	Designation	Lecturer in Civil
	Qualification	B.E.,
	Experience	2 Years
4	Name:	Dharani.G
	Designation	Lecturer in Civil
	Qualification	B.E.,
	Experience	3 years
	Name:	Priyanka.S

5	Designation	Lecturer in Civil
	Qualification	B.E.,
	Experience	2 Years
6	Name:	Chandrasekaran.N
	Designation	Asst. Prof in Civil
	Qualification	M.E.,
	Experience	6 years
7	Name:	Gokilashree.R
	Designation	Asst. Prof in Civil
	Qualification	M.E.,
	Experience	3Years
8	Name:	Arun keerthi.S.S
	Designation	Asst. Prof in Civil
	Qualification	M.E.,
	Experience	3 years
8	Name:	Vetrivel.E.D
	Designation	Asst. Prof in Civil
	Qualification	M.E.,
	Experience	5 years
10	Name:	Anbuselvan.K
	Designation	Asst. Prof in Civil
	Qualification	M.E.,
	Experience	2 years
11	Name:	Mahendran.K
	Designation	Asst. Prof in Civil
	Qualification	M.E.,
	Experience	3 years
12	Name:	Kavitha.E
	Designation	Asst. Prof in Civil
	Qualification	M.E.,
	Experience	1 years

8. Program Educational Objectives (PEOs):

The objectives of the Civil Engineering undergraduate program at the Aishwarya college of Engineering and Technology, are to produce engineers that they:

1. Are able to develop or design safe, sustainable, economical and environmentally sound solutions for civil engineering problems either within the profession or through post-graduate research;

2. Grow professionally in their careers through continued development of technical, management, and oral and written communication skills; achievement of professional licensure; and assumption of roles of responsibility and leadership in professional service;

3. Achieve their professional aims ethically and with cultural competency within an environment characterized by the diverse needs of society and the profession.

9. Program Outcomes (POs):

Graduates of the Civil and Environmental Engineering program will have:

(a) an ability to apply knowledge of mathematics, science, and engineering;
(b) an ability to design and conduct experiments as well as analyze and interpret data;
(c) an ability to design a structure, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability;
(d) an ability to function on multi-disciplinary teams;
(e) ability to identify, formulate and solve engineering problems;
(f) an understanding of professional and ethical responsibility;
(g) an ability to communicate effectively;
(h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context;

(i) a recognition of the need for and an ability to engage in life-long learning;
(j) knowledge of contemporary issues;
(k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

10. Placement Coordinator:

Faculty Profile			
1	Name:	Velmurugan.R	
	Designation	Asst. Prof in Civil	
	Qualification	M.E.,	
	Experience	1Year	

11. Clubs and Activities

- **Communication Skill Development club**

Faculty Profile			
1	Name:	Mahesh sankar.D	
	Designation	Lecturer in Civil	
	Qualification	B.E.,	
	Experience	2 Years	

- **Career Guidance club**

Faculty Profile			
1	Name:	Dharani.G	
	Designation	Lecturer in Civil	
	Qualification	B.E.,	
	Experience	3 years	

- **Entrepreneurship Development Club**

Faculty Profile			
1	Name:	Gopinath.M	
	Designation	HOD/Civil	
	Qualification	M.E., MBA.,	
	Experience	2Years	

- **VAC club**

Faculty Profile			
1	Name:	Priyanka.S	
	Designation	Lecturer in Civil	
	Qualification	B.E.,	
	Experience	2 Years	