



AISHWIRYA COLLEGE OF ENGINEERING AND TECHNOLOGY

Paruvachi, Bhavani - 638312.

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Department Details for Website

Name of the Department: Science & Humanities

1. Vision:

- The vision of S&H department is to help the engineers to achieve academic excellence in engineering field with global prowess by ingraining the knowledge and to educate and empower the students. To molding their future in the different fields of engineering for the development of the Nation.

2. Mission:

- The mission of the S & H department is to disseminate high standards of scientific & technical education with well equipped infrastructure, experienced, knowledgeable and qualified faculty that enable the student's creativity to innate the potentiality of the students and provide students with soft skills and behavioral training programs in order to develop their overall personality and social consciousness.

3. About the Department:

- The department of Science & Humanities was established with the aim of imparting fundamental knowledge to the students pursuing various courses.
- The Science and Humanities Department is one of the most successful and multi - faceted Departments.
- It is housed in a separate building with excellent classrooms, laboratory facilities and a conference hall with excellent acoustics.

- The Department imparts in-depth knowledge on a wide range of subjects namely Mathematics, Physics, Chemistry, Engineering Graphics, Engineering Mechanics, C Programming, Basic Electrical & Electronics Engineering and English.
- Essential communication skills are developed and polished in this Department.
- The main objective of the department is to make the students to understand the basic concepts of Mathematics, Science, and Language, so as to enable them to improve their aptitude skills.
- Programs on creativity on project demonstrations, personality development, career development and counseling are arranged by inviting eminent resource persons

4. **Laboratory Facilities:**

- List the all laboratory details available in your department in the table below.

• Laboratory Name
• Physics & Chemistry Laboratory
• Problem Solving & Python Programming Laboratory
• Engineering Practices Laboratory
• Electric circuits Laboratory
• Basic Electrical, Electronics & Instrumentation Engineering Laboratory
• Circuit & Devices Laboratory
• C Programming Labotatory
• Computer Aided Building Drawing

Equipment Details:

• Equipment Name	• Cost
• 100 PC Systms	• 1500000

5. Faculty profile

Department:Physics

Faculty Profile		
1	Name:	Mrs.M.Baby
	Designation	Asst.Professor
	Qualification	M.sc.,M.Phil.,
	Experience	5 years
2	Name:	Mr.M.Munusamy
	Designation	Asst.Professor
	Qualification	M.sc.,M.Phil.,
	Experience	5 months
3	Name:	Mr.G.Praveen kumar
	Designation	Asst.Professor
	Qualification	M.sc.,M.Phil.,
	Experience	3 years

DEPARTMENT OF CHEMISTRY

Faculty profile		
1	Name:	Dr.M.A .kandhasamy
	Designation	Professor
	Qualification	M.sc.,M.Phil.,PH.D.,
	Experience	40 years
2	Name:	Mrs.S. Sumithra
	Designation	Associate professor
	Qualification	M.sc.,M.Phil.,
	Experience	12 years

DEPARTMENT OF MATHEMATICS

Faculty profile		
1	Name:	MRS.M.Bharathipriya
	Designation	Asst.Professor
	Qualification	M.sc.,M.Phil.,
	Experience	2 years
2	Name:	MRS.S.Nithya
	Designation	Asst.Professor
	Qualification	M.sc.,M.Phil.,
	Experience	3 years
3	Name:	MRS.S.Bhanumathi
	Designation	Asst.Professor
	Qualification	M.sc.,M.Phil.,
	Experience	1 year
4	Name:	Mrs.R.Sasirekha
	Designation	Asst.Professor
	Qualification	M.sc.,M.Phil.,
	Experience	4 years
5	Name:	Miss.R.Kasthuri
	Designation	Asst.Professor
	Qualification	M.sc.,M.Phil.,
	Experience	5 months

DEPARTMENT OF ENGLISH

Faculty Profile		
1	Name:	Mrs.V.Krishnaveni
	Designation	Asst.Professor
	Qualification	MA.,M.Phil.,
	Experience	3 years

6. Program Educational Objectives (PEOs)

- The Program Educational Objectives (PEOs) of the Department represent major accomplishments that the graduates are expected to achieve after three to five years of graduation. The Graduates will be able to
 - PEO1: To make effective speakers listeners, writers and readers in technical context.
 - PEO2: To introduce the concept of electrical and its components.
To understand the resolving forces and moments for given force system.
 - PEO3: To bring adaptability to new developments in engineering chemistry and to acquire the skills required.
 - PEO4: To understand interaction of light with a matter through interference, diffraction and polarization.

7. Program Outcomes (POs):

- Graduates of S&H will be able to
 - PO1:To use English language effectively in spoken and written form.
 - PO2:To communicate confidently in formal and informal context.
 - PO3:To analyze and solve the problems of electrical circuits using network laws and theorems.
 - PO4:To identify and characterize diodes and various types of transistors.
 - PO5:To analyze the types of friction for moving bodies and problems related to friction.
 - PO6:To determine the centroid and second moment of area.
 - PO7:To gain the basic knowledge of electro chemical procedures related to corrosion and its control.
 - PO8:To predict potential application of chemistry and practical utility in order to become good engineers and entrepreneurs.
 - PO9:To realize the importance of light phenomena in thin films and resolutions.
 - PO10:To distinguish various crystal systems and understand atomic packing factor.
 - PO11:To write the matrix representation of set of linear equations.
 - PO12:To deal with basics of Electronics and Electricals.

8. Placement Coordinator:

Assign an overall Placement Coordinator for your department and provide his details in the table below.

Faculty Incharge		
1	Name:	Mr.A.Arul prince
	Designation	Asst. Professor
	Qualification	M.A.B.Ed.,
	Experience	6 months

9. Clubs and Activities

- Assign one faculty for each clubs given below

- **Communication Skill Development club**

Faculty Incharge		
1	Name:	Mr.R.Selvarasu
	Designation	Asst. Professor
	Qualification	M.A.B.Ed.,
	Experience	1 year and 6 month

- **Career Guidance club**

Faculty Incharge		
1	Name:	Mrs.M.Baby
	Designation	Asst. Professor
	Qualification	M.sc.,M.Phil.,
	Experience	5 Years

- **Entrepreneurship Development Club**

Faculty Incharge		
1	Name:	Mrs.S. Sumithra
	Designation	Asst. Professor
	Qualification	M.sc.,M.Phil.,
	Experience	12 years

- **VAC club**

Faculty Incharge		
1	Name:	Mrs.R.Sasirekha
	Designation	Asst. Professor
	Qualification	M.sc.,M.Phil.,
	Experience	4 years