

# ATME COLLEGE OF ENGINEERING

13<sup>th</sup> KM Stone, Bannur Road, Mysore - 560 028



# ATME

College of Engineering

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN



## LECTURE NOTES

COURSE: UNIVERSAL HUMAN RESOURCES

COURSE CODE: (BUHK408)

SEMESTER: IV

COURSE COORDINATOR: Mrs. PALLAVI R

(ACADEMIC YEAR 2025-26)

## INSTITUTIONAL MISSION AND VISION

### Objectives

- To provide quality education and groom top-notch professionals, entrepreneurs and leaders for different fields of engineering, technology and management.
- To open a Training-R & D-Design-Consultancy cell in each department, gradually introduce doctoral and postdoctoral programs, encourage basic & applied research in areas of social relevance, and develop the institute as a center of excellence.
- To develop academic, professional and financial alliances with the industry as well as the academia at national and transnational levels.
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- To cultivate strong community relationships and involve the students and the staff in local community service.
- To constantly enhance the value of the educational inputs with the participation of students, faculty, parents and industry.

### Vision

Development of academically excellent, culturally vibrant, socially responsible and globally competent human resources.

### Mission

- To keep pace with advancements in knowledge and make the students competitive and capable at the global level.
- To create an environment for the students to acquire the right physical, intellectual, emotional and moral foundations and shine as torch bearers of tomorrow's society.
- To strive to attain ever-higher benchmarks of educational excellence.

## Department of Computer Science & Design

### Vision of the Department

- To develop highly talented individuals in Computer Science and Engineering to deal with real world challenges in industry, education, research and society.

### Mission of the Department

- To inculcate professional behaviour, strong ethical values, innovative research capabilities and leadership abilities in the young minds & to provide a teaching environment that emphasizes depth, originality and critical thinking.
- Motivate students to put their thoughts and ideas adoptable by industry or to pursue higher studies leading to research

### PROGRAM EDUCATIONAL OBJECTIVES (PEO'S):

1. Empower students with a strong basis in the mathematical, scientific and engineering fundamentals to solve computational problems and to prepare them for employment, higher learning and R&D.
2. Gain technical knowledge, skills and awareness of current technologies of computer science engineering and to develop an ability to design and provide novel engineering solutions for software/hardware problems through entrepreneurial skills.
3. Exposure to emerging technologies and work in teams on interdisciplinary projects with effective communication skills and leadership qualities.
4. Ability to function ethically and responsibly in a rapidly changing environment by applying innovative ideas in the latest technology, to become effective professionals in Computer Science to bear a life-long career in related areas.

### Program Specific Outcomes (PSOs)

PSO1: Ability to apply skills in the field of algorithms, database design, web design, cloud computing and data analytics.

PSO2: Apply knowledge in the field of computer networks for building network and internet based applications.

## **BRIDGE COURSE**

### **Objective**

- Give **basic clarity** about UHV concepts
- Help students understand **exam expectations**
- Create awareness about **self, relationships & ethics**

### **Introduction**

- What are **Values**?
- Why UHV is included in VTU syllabus
- Basic human aspirations:
  - **Happiness**
  - **Prosperity**
- Difference between happiness and physical facilities

### **Harmony in the Human Being**

- Human being = **Self (I) + Body**
- Needs of Self (happiness, peace)
- Needs of Body (food, shelter, clothes)
- Self-regulation and health

*“If body is comfortable but mind is disturbed, are we happy?”*

### **Harmony in Relationships**

- Family as basic unit of society
- Important feelings:
  - Trust
  - Respect
  - Justice
- Harmony in society

Small discussion: *Why misunderstandings happen?*

### **Harmony in Nature**

- Four Orders in Nature:
  1. Material
  2. Plant

3. Animal

4. Human

- Co-existence and sustainability

Example: Human depends on plants & nature.

### **Professional Ethics & Exam Tips**

- Ethical responsibility of engineers
- Importance of value-based decisions
- Important exam areas:
  - Definitions
  - Differences (Self vs Body)
  - Trust & Respect
  - Four Orders diagram

## **MODULE 1 – INTRODUCTION**

### **1. Right Understanding, Relationship and Physical Facility (Holistic Development and the Role of Education)**

Every human being aspires for a happy, fulfilling and successful life. No human being desires sorrow, conflict or dissatisfaction. However, despite this common aspiration, many individuals experience stress, confusion and imbalance in life. This happens because there is often a lack of clarity about what truly constitutes a fulfilling life and how it can be achieved.

In this context, two fundamental questions arise:

1. What is my aspiration? (What to do?)
2. How to fulfill my aspiration? (How to do?)

The purpose of education is not merely to provide information or technical knowledge. The real purpose of education is:

- To develop clarity about human aspiration (what is truly valuable in life), and
- To develop adequate competence to actualize those aspirations.

Human life requires fulfillment at three distinct but interconnected levels:

#### **(a) Right Understanding (in the Self)**

Right understanding refers to clarity about:

- The purpose of life
- What is truly valuable
- What leads to happiness
- What leads to harmony

Without right understanding, human decisions are based on assumptions, imitation, or social pressure, which leads to confusion and contradictions.

#### **(b) Relationship (with other human beings)**

Human beings live in families and societies. Therefore, harmonious relationships are essential for a fulfilling life.

Relationship is based on:

- Trust
- Respect
- Affection
- Care
- Guidance
- Reverence

If relationships are disturbed, even abundance of physical facilities cannot ensure happiness.

### **(c) Physical Facility (for the Body)**

The human body requires:

- Food
- Clothing
- Shelter
- Healthcare
- Physical comfort

Physical facilities are necessary for survival and comfort. However, they are not sufficient for happiness.

### **Holistic Development**

Holistic development means balanced fulfillment at all three levels:

Right Understanding

- Right Relationship
- Adequate Physical Facility

Education must ensure development in all these dimensions. However, the present education system largely focuses on skill and physical facility generation, neglecting right understanding and relationship.

This imbalance is the root cause of many modern crises.

## 2. Understanding Value Education

To live a fulfilling life, it is essential to understand what is truly valuable for a human being. This domain of study is called the **Value Domain**.

The subject that enables us to understand this domain is called **Value Education (VE)**.

Value Education:

- Helps us understand our aspirations
- Enables us to define goals for a meaningful life
- Removes confusion and inner contradictions
- Provides clarity about right and wrong
- Addresses the fundamental question: “What to do?”

In addition to value education, we need competence to implement our understanding. This domain is called the **Skill Domain**.

Skill Development (SD):

- Helps in learning science, technology, management
- Develops professional competence
- Addresses the question: “How to do?”

### Complementarity of Values and Skills

Values and skills are complementary.

Values provide direction.

Skills provide the means.

Priority order:

First → Understanding what to do

Then → Learning how to do

If skills are developed without value clarity, they may be misused.

### Present Education System

The current education system is largely skill-oriented and technology-driven. It focuses on career,



earning, and material success. However, it does not adequately address:

- Purpose of life
- Human aspirations
- Harmony in relationships
- Environmental responsibility

As a result, society faces crises at:

- Individual level (stress, depression)
- Family level (conflicts, mistrust)
- Societal level (violence, inequality)
- Environmental level (pollution, imbalance)

Value Education is therefore a crucial missing link.

### **3. Self-Exploration as the Process for Value Education**

Value Education is not based on dogma, religious belief, or moral preaching. It is based on **self-exploration**.

Self-exploration is the process of:

- Verifying proposals within oneself
- Checking their natural acceptance
- Validating them through living

#### **Natural Acceptance**

Every human being has a natural sense of what feels right.

For example:

- We naturally accept respect.
- We do not naturally accept insult.
- We prefer harmony over conflict.

Natural acceptance is universal and independent of culture or religion.

## **Experiential Validation**

Understanding must also be verified in practical life.

If a proposal:

- Is naturally acceptable, and
  - Leads to harmony in living,
- then it becomes part of our understanding.

Thus, Value Education is:

- Universal
- Rational
- Verifiable
- Experiential

It is not imposed learning but self-discovered understanding.

## **4. Continuous Happiness and Prosperity – Basic Human aspirations**

Whatever we think or do, we do with some end state in mind. That end state is our aspiration.

If we reflect deeply, we find that every human being desires:

1. Continuous Happiness
2. Continuous Prosperity

These are universal aspirations.

### **Happiness**

Happiness is a state of harmony within the self.

It occurs when:

- Desires are aligned with understanding
- Thoughts are clear
- Expectations are realistic

Happiness is internal and does not depend solely on external conditions.

## Prosperity

Prosperity refers to the feeling of having enough physical facilities.

It is important to understand:

Prosperity  $\neq$  Unlimited accumulation

Prosperity = Feeling of sufficiency

One may possess many physical facilities but still feel deprived. Therefore, prosperity is more about perception than possession.

## 5. Happiness and Prosperity – Current Scenario

In modern society, we see tremendous technological development. However, along with this progress, we also observe:

- Increasing stress
- Family breakdown
- Social violence
- Environmental degradation

This indicates that material growth alone has not ensured happiness.

The basic mistake is the assumption:

“Happiness and prosperity will automatically come with accumulation of physical facilities.”

As a result:

- Major effort is invested in earning and accumulating material wealth.
- Very little effort is invested in understanding relationships and inner harmony.

When we reflect on family conflicts, we find that most problems arise not from lack of money but from:

- Lack of trust
- Lack of respect
- Lack of understanding

Thus, there exists a significant gap between our aspirations and our present state.

## 6. Method to Fulfil the Basic Human Aspirations

To achieve continuous happiness and prosperity, the following are essential:

1. Right Understanding
2. Fulfillment in Relationships
3. Adequate Physical Facilities

### **Step 1: Develop Right Understanding**

Through self-exploration and value education, clarity about life and purpose is developed.

### **Step 2: Ensure Harmony in Relationships**

By ensuring:

- Trust
- Respect
- Mutual care

Relationships become fulfilling.

### **Step 3: Proper Utilization of Physical Facilities**

Physical facilities must be used responsibly and sustainably.

### **Integrated Model**

Right Understanding

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Right Relationship

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Right Use of Physical Facility

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Continuous Happiness and Prosperity

When harmony exists at:

- Individual level
- Family level
- Society level
- Nature level

Human life becomes truly fulfilling.

