

## VALUE ADDED COURSE – I

### NAME OF THE COURSE: ETHICS IN SCIENCE

16BOTVAC01

COURSE COORDINATOR: DR. GIBY KURIAKOSE,  
DEPT. OF BOTANY

DURATION OF THE COURSE: 30hrs

STUDENTS INTAKE: 30

#### OBJECTIVES OF THE COURSE

- To make the learners understand science as a popular subject
- To develop an ethical culture among students
- To provide the students about different laws and rules on science ethics

#### SYLLABUS

##### MODULE I

###### What is Science.

Defining science. Mainstreams of science. Methods in science. The role of social values in science. Rights and interests affected by research. Misrepresentation in science leading to misconduct.

(10 Hrs)

##### MODULE II

###### History of Science

**Prehistoric Science and Technology.** Science from ancient Greece to the present. **Ancient Science and Medieval Science. Eastern Science and Medicine. The Scientific Revolution**

History of science and the development of philosophy, sociology, economics, and anthropology.

(10 Hrs)

##### MODULE III

###### Ethics in Science

Ethics and Ethical Theory. Ethics and Moral Reasoning. Case studies. **Data collection, Data Management, Data analysis, Publication of research.** Ethics of publication and peer review.

(10 Hrs)

#### OUTCOME OF THE COURSE

- At the end of the course, students are equipped for identifying different ethics and related practices in science.
- They are trained to practice ethics while conducting and publishing research.

- They would be able to understand different laws and regulations related to Ethics in Science.

MODE OF EVALUATION: Attendance, Assignments, Tests, Group discussion, etc.



Dr. Johnson X Palackappillil  
Principal  
Sacred Heart College (Autonomous)  
Thevara, Kochi-682 013

