

**PROJECT WORK ( ISC 2025-2026)**

Dear Students,

This is a reminder that the last date for submitting your project work for all subjects is **5<sup>th</sup> January 2026**. Please ensure that you complete your projects and submit them on or before the deadline.

Make sure your projects are well-organized, meet the requirements outlined by your respective subject teachers, and include all necessary components such as the title page, index, introduction, experiment/procedure, observations, analysis, and conclusion.

Late submissions will not be accepted, so please plan accordingly and manage your time wisely.

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**Important Notes**

- Word limit: 1300–1500 words per project.
- Include all sections: **Cover Page → Acknowledgement → Index → Introduction → Main Body → Conclusion → References.**
- Use diagrams, tables, and graphs wherever applicable.
- Submission deadline: **05/01/2026.**

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**1. ENGLISH**

**Drama – Macbeth (Acts III–V)**

- **Topic:** “The Psychological Transformation of Macbeth: Ambition, Guilt, and Fate”
- **Introduction Sample:**

*Macbeth, one of Shakespeare’s greatest tragedies, explores the destructive nature of ambition and moral conflict. In Acts III–V, Macbeth’s character transforms from a loyal nobleman to a guilt-ridden tyrant. This project examines how ambition, fate, and supernatural elements influence his behavior and eventual downfall.*

- **Main Body / Analysis Ideas:**
  - Track Macbeth's ambition and moral decline.
  - Discuss influence of witches and prophecies.
  - Include quotations and examples from the text.
  - Optional: Character flowchart or timeline.

### Short Story – *There Will Come Soft Rains* (Ray Bradbury)

- **Topic:** "Impact of Technology on Society in 'There Will Come Soft Rains'"
- **Introduction Sample:**

*Bradbury's short story presents a futuristic house fully automated by technology. This project explores how technology impacts human life, the environment, and society, highlighting both its advantages and risks.*

- **Main Body / Analysis Ideas:**
  - Analyze the role of automation in everyday life.
  - Discuss environmental and ethical messages.
  - Include illustrations of key scenes.
- **Conclusion Sample:**

*The story warns of humanity's over-reliance on technology, suggesting that without moral responsibility, technological advancements may outlive and outsmart humans themselves.*

- **References:**
  - Bradbury, Ray. *There Will Come Soft Rains*. Publisher, Year.

### Poem – *Death Be Not Proud* (John Donne)

- **Topic:** "Human Fear of Death and Immortality in 'Death Be Not Proud'"
- **Introduction Sample:**

*John Donne's poem addresses human fear of death and emphasizes the eternal soul. This project analyzes metaphysical elements, poetic devices, and the theme of overcoming death.*

- **Main Body / Analysis Ideas:**
  - Study use of personification, metaphors, and rhyme.
  - Discuss the tone and theme of immortality.
  - Include lines/quotations for interpretation.

- **Conclusion Sample:**

*Donne reassures readers that death is powerless against the eternal soul, offering a comforting perspective on human mortality.*

- **References:**

- Donne, John. *Death Be Not Proud*. Publisher, Year.
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## English Language

- **Topic:** “Impact of Social Media on Teenagers’ Communication Skills”

- **Introduction Sample:**

*Social media has become a major part of teenagers’ lives. This project studies its impact on communication skills, including writing, speaking, and interpersonal relationships.*

- **Main Body / Analysis Ideas:**

- Conduct a survey among classmates.
- Present results using tables and charts.
- Analyze pros and cons of social media on language.

- **Conclusion Sample:**

*Social media affects communication both positively and negatively. Awareness and moderation can help improve language skills while maintaining social connections.*

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## 2. HINDI (हिन्दी)

### 1. आधुनिक विज्ञान और तकनीक का हमारे जीवन पर प्रभाव

- **Introduction:** Discuss AI, robotics, smartphones, and internet in daily life.
- **Analysis/Observations:** Include examples from healthcare, education, and lifestyle.
- **Conclusion:** Technology impacts life positively, but moderation and awareness are essential.
- **Word Limit:** 1300–1500 words

### 2. हिंदी साहित्य में विज्ञान और तकनीक की झलक

- **Introduction:** Examine poems, stories, and essays reflecting modern technology.
- **Analysis/Observations:** Highlight futuristic themes, innovations, and social impact.
- **Conclusion:** Literature mirrors society’s interaction with technology.

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### 3. MATHEMATICS

#### 1. Mathematical Modelling of Epidemics or Population Growth Using Statistics and Probability

- **Introduction:** Explain the importance of modelling population or disease spread.
- **Analysis:** Include data, graphs, calculations, and predictions.
- **Conclusion:** Models help predict trends and plan interventions.

#### 2. Applications of Matrices and Linear Algebra in Computer Graphics and Digital Image Processing

- **Introduction:** Discuss the role of matrices in digital imaging.
  - **Analysis:** Include examples, transformations, and diagrams.
  - **Conclusion:** Linear algebra is essential for modern digital applications.
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### 4. PHYSICS

Attempt any three of the following questions:

#### 1. Electrostatics

*How do electric field intensity and electric potential determine the behavior of charged particles in electrostatic systems, and what are the practical limitations of electrostatic applications?*

#### 2. Current Electricity

*Explain the microscopic origin of electric current in conductors and discuss the factors affecting electrical resistance, with special reference to temperature dependence.*

#### 3. Magnetic Effects of Current and Magnetism

*How does an electric current produce a magnetic field? Explain the working principles of devices such as the moving-coil galvanometer and electric motor.*

#### 4. Electromagnetic Induction and Alternating Currents

*Discuss Faraday's and Lenz's laws of electromagnetic induction and explain why alternating current is more efficient than direct current for long-distance power transmission.*

#### 5. Electromagnetic Waves

*Explain how Maxwell's equations led to the prediction of electromagnetic waves and discuss their role in modern communication systems.*

## 5. CHEMISTRY

**Chapters:** Solutions, Electrochemistry, Chemical Kinetics, d- and f-Block Elements

### Topics:

1. *Applications of Electrochemistry in Batteries, Fuel Cells, and Corrosion Prevention*
2. *Importance of Chemical Kinetics in Industrial Processes*

### Discussion / Questions:

1. Discuss how solutions, solubility, and concentration impact pharmaceuticals, food preservation, and environmental science.
2. Explain electrochemical principles and their role in energy storage, corrosion prevention, and industrial applications.
3. Analyze reaction rates and kinetics. How does understanding kinetics help improve chemical processes and production efficiency?
4. Describe the properties of d- and f-block elements and their industrial, catalytic, and technological applications.
5. Discuss environmental and industrial significance of transition metals and lanthanides.

### Conclusion:

Chemistry connects theory with practical applications, helping solve problems in energy, industry, environment, and technology.

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## 6. BIOLOGY

**Chapters:** Biology and Human Welfare, Biotechnology and Its Applications, Ecology and Environment

### Topics:

1. *Applications of Biotechnology in Medicine, Agriculture, and Environment*
2. *Impact of Human Activities on Ecosystems and Biodiversity*

### Discussion / Questions:

1. Discuss the role of biology in human welfare, including vaccines, antibiotics, and public health strategies.

2. Analyze biotechnology's applications in genetic engineering, medicine, agriculture, and sustainable industry.
3. Explain ecological imbalances caused by pollution, deforestation, and climate change.
4. Discuss conservation strategies and sustainable practices to protect biodiversity.
5. How can biology help address global challenges like food security, energy crisis, and climate change?

### **Conclusion:**

Biology provides the foundation for understanding life, health, and the environment. Applying this knowledge can improve human welfare and protect the planet.

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### **GENERAL TIPS FOR ALL SUBJECTS**

- Neat handwriting or typed format.
- Include diagrams, charts, and graphs.
- Word limit: **1300–1500 words per project**.
- Use proper references and citations.
- Be ready for **viva**.

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### **Submission Reminder**

#### ☐ **Deadline: 05/01/2026**

- Submit complete, neat, and original project files.
- Late submissions may not be accepted.
- Follow structure and word limits strictly.