

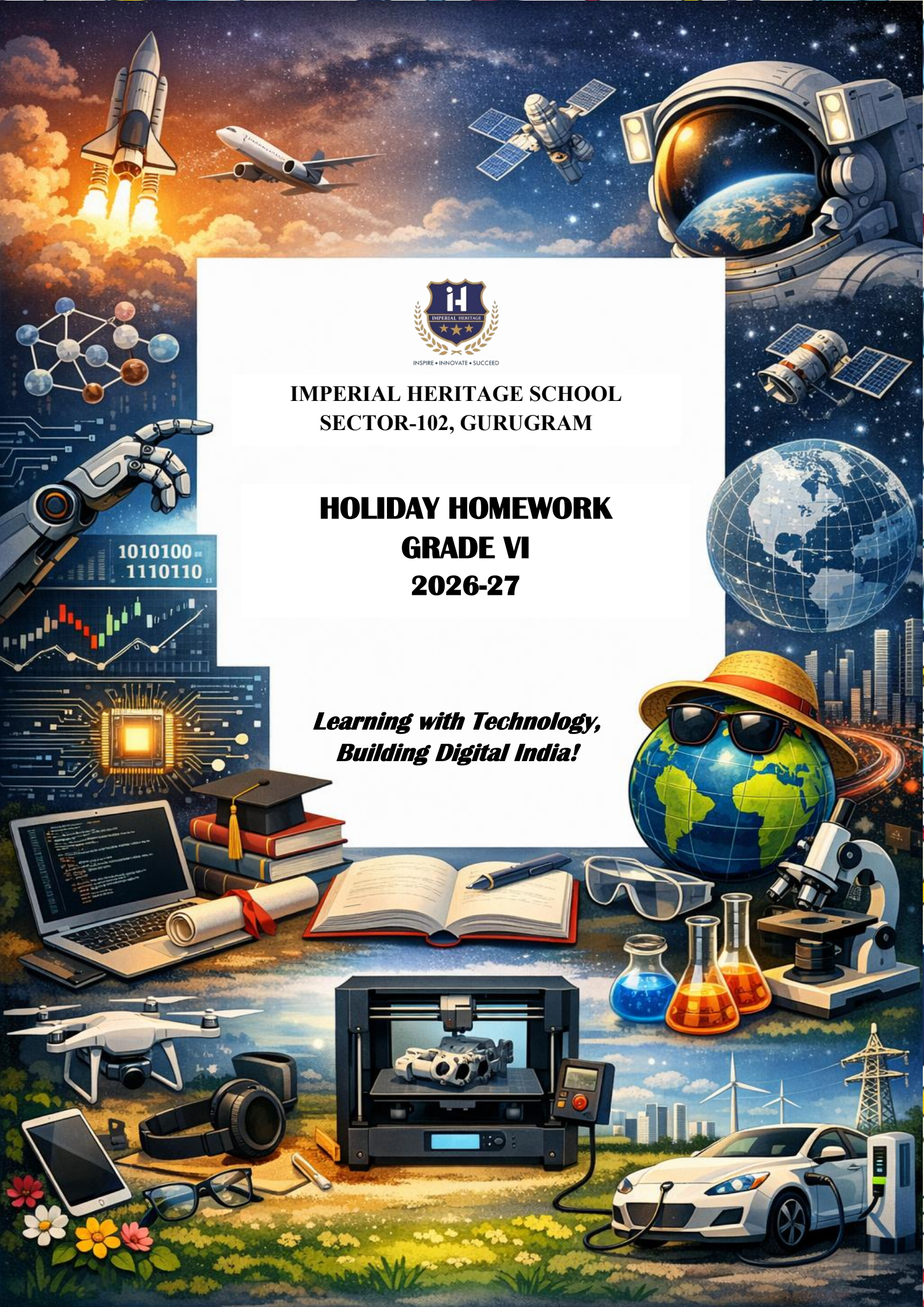


INSPIRE • INNOVATE • SUCCEED

**IMPERIAL HERITAGE SCHOOL  
SECTOR-102, GURUGRAM**

**HOLIDAY HOMEWORK  
GRADE VI  
2026-27**

***Learning with Technology,  
Building Digital India!***



***“Curiosity Never Goes on Vacation—and neither does the joy of learning.”***

Dear Parents,

Warm greetings!

At Imperial Heritage School, we view learning as a continuous journey—one that extends far beyond the classroom walls. The purpose of holiday homework is not merely to keep students occupied, but to inspire them to explore, reflect, and grow independently. It is an opportunity for children to connect classroom knowledge with the world around them, while discovering their own unique ways of learning.

### **The Purpose Behind Holiday Homework**

Holiday assignments are thoughtfully designed to:

- Sustain the rhythm of learning even during the break
- Encourage application of concepts in everyday life
- Develop responsibility, discipline, and effective time management
- Strengthen analytical thinking, creativity, and problem-solving abilities

### **Learning Through Projects**

Each assignment is aligned with CBSE guidelines and focuses on experiential, project-based learning. These tasks are curated to ensure meaningful engagement, allowing students to bridge theory with practical understanding in a creative and enjoyable manner.

### **Assessment Parameters**

Holiday homework will form a part of Internal Assessment and will be evaluated on:

- Content
- Presentation
- Relevance
- Creativity
- Originality
- Timely Submission

Kindly Note the Holiday Homework Marks are added in the Internal Assessment mark for Term I.

### **Guidelines for Students**

- **Be Authentic:** Your work should reflect your own ideas and efforts.
- **Plan Ahead:** Break tasks into small parts and complete them gradually.
- **Follow Instructions:** Read each guideline carefully before beginning.
- **Maintain Neatness:** Clear, organized work always creates a strong impression.
- **Think Creatively:** Present your work in an innovative and engaging manner.
- **Read Daily:** Cultivate the habit of reading to expand your imagination and language skills.
- **Practice Mathematics:** Consistency is key—regular practice leads to mastery.
- **Seek Guidance, Not Substitution:** Parents may guide, but students must complete the work independently.
- **Prioritize Quality:** Focus on depth, clarity, and meaningful content.

### **A Fresh Thought for Our Learners**

“Where Questions Bloom”

When holidays stretch like open skies,  
Let wonder wake and questions rise.

Not all learning lives in books,  
It hides in paths and curious looks.  
In silent thoughts, in things you make,

In every risk you choose to take,  
In colours mixed or stories spun,  
In problems solved just for the fun.

A restless mind, a seeking heart,  
That’s where true journeys always start.  
So, learn, explore in your own way—  
Let curiosity lead each day.

**Submission Date:** 6th July, 2026

We eagerly await the thoughtful and creative work our students will present. May this vacation be a time of joyful discovery, meaningful experiences, and personal growth.

Wishing you all a safe, refreshing, and enriching summer break!

**Warm regards,**

**Ms. Neelu Sharma**  
**Principal**

## Topic: Viksit Bharat - Digital India

**“Think Smart. Act Safe. Be Digital Citizens.”**

India is moving forward with a vision of becoming a **Viksit Bharat**, a developed nation where technology and innovation play a central role in shaping progress. The Digital India initiative is one of the most important steps in this journey. It aims to transform India into a digitally empowered society and knowledge economy, where every citizen can access information, services, and opportunities through technology.

For young learners like you, understanding Digital India is essential. It teaches us how technology connects people, improves education, supports businesses, and makes government services more transparent and accessible. At the same time, it reminds us to use digital tools responsibly, think critically, and become active citizens who contribute positively to our nation’s growth.

This holiday homework will help you explore the ideas of digital literacy, innovation, and responsible citizenship. By engaging with these activities, you will not only learn about the vision of *Viksit Bharat* but also discover how you can play a role in building a brighter, smarter, and safer digital future for India.



**Note:** The CBSE paired state initiative, part of the **Ek Bharat Shreshtha Bharat (EBSB) program**, is designed to foster national integration by pairing every state and Union Territory (UT) with another for a year to facilitate structured cultural and educational exchanges. Special assignments have also been given for the paired state *Telangana*, encouraging students to explore its environmental initiatives and contributions toward a sustainable India.

## ENGLISH

### TASK 1 – Create & Present

#### “My Smart Telangana Idea”

Create a model, drawing, or presentation based on the idea showing how technology can improve the life of people in Telangana.

Examples:

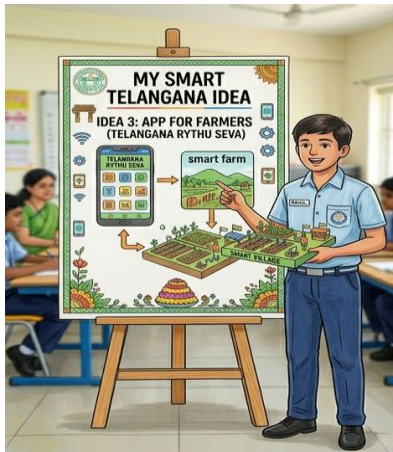
- Smart classroom
- Digital village
- App for farmers
- Smart waste management system

Speech Guidelines: Speak for 1–2 minutes:

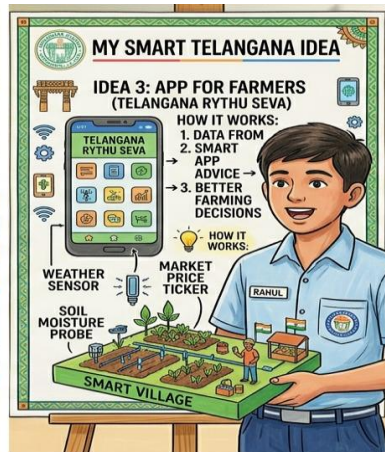
- What you created
- How it works
- How it helps people
- Why it is useful

Presentation:

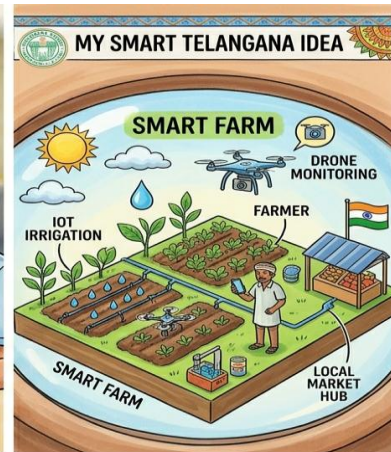
- Show your model while speaking
- Use clear and confident English



PRESENTING MY SMART TELANGANA IDEA! 🗣️



HOW IT WORKS: DATA & DECISIONS! 💡



HOW IT HELPS: SAVE WATER, DETECT PESTS, INCREASE YIELD, SMART SALES! 🌱

### OPT ANY ONE TASK OUT OF TASK 2 AND TASK 3

#### TASK 2 – Creative Presentation: “Digital India Word Tree”

1. **Aim:** The aim of this activity is to create a colourful *Word Tree* to understand how new words are formed using prefixes and suffixes. It also helps students connect language learning with the idea of Digital India
2. **Materials Required**
  - Chart paper
  - Sketch pens (Red, Blue, Black, Green, Brown)
  - Pencil & eraser
3. **Drawing the Tree**
  - Draw a large, attractive tree showing roots, trunk, and branches. Write “**Digital India – The New Wave**” clearly in the trunk. Use brown colour for the trunk and branches, and green for the leaves to make the tree look lively and appealing.
4. **Root Words (Write in BLACK – in the roots)**
  - Write the basic root words such as *connect, use, learn, secure, plug, and code* in the roots. These words form the foundation, just like roots support a tree.

5. **Prefix Words (Write prefixes in RED – on branches)**

- Show how prefixes are added to the beginning of root words to form new words. For example: reconnect, misuse, unplug, decode, overuse, and cybersecurity. Use arrows to clearly show how each word is formed.

6. **Suffix Words (Write suffixes in BLUE – on branches)**

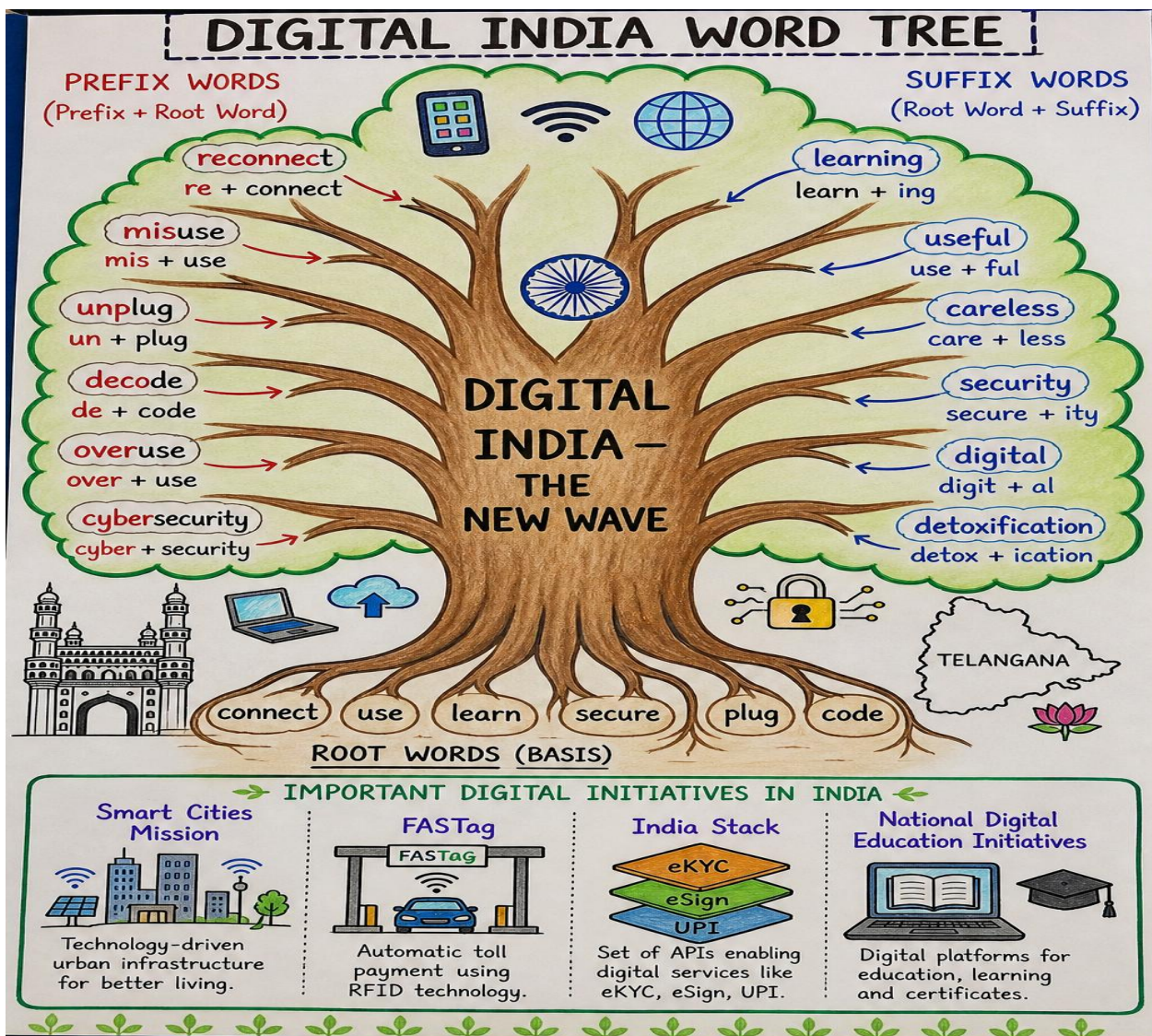
- Similarly, demonstrate how suffixes are added at the end of words to create new meanings. Examples include: *learning, useful, careless, security, digital, and detoxification.*

7. Write a short explanation of important digital initiatives in India: e.g.,

- **Smart Cities Mission** – Technology-driven urban infrastructure
- **FASTag** – Automatic toll payment using RFID
- **India Stack** – Set of APIs enabling digital services (eKYC, eSign, UPI)
- **National Digital Education initiatives** – Digital platforms for education and certificates

8. Decoration Guidelines

- Use small drawings like 📱 🌐 🌐
- Keep the chart neat and not overcrowded
- Use arrows to show formation of words



OR

### **TASK 3 – Digital Life Diary**

“My Digital India Journal”

Create a 3-day diary album showing how you use technology in daily life.

Instructions:

Each day, record one activity like:

- Online learning
- Digital payments
- Using educational apps
- Helping parents with technology
- Watching informative videos

#### **Album Guidelines:**

- Making a **Digital Life Diary** depends on **your own creativity**.
- There is **no single fixed design**—you are free to draw, colour, and present your ideas in your own unique way.
- **FOLLOW THE CORRECT FORMAT OF DIARY ENTRY AS GIVEN IN THE NOTEBOOK OR HANDOUTS FOR WRITING DIARY ENTRY.**

#### **Step 1: Prepare Your Sheets**

- Take **THREE A3 sheets**
- Each sheet represents **ONE DAY** of your digital life
  - Sheet 1 → Day 1
  - Sheet 2 → Day 2
  - Sheet 3 → Day 3

#### **Step 2: Divide Each Sheet**

- Divide each A3 sheet into 2 parts:
  1. Drawing Section (Top Half)
  2. Diary Entry Section (Bottom Half)

#### **Step 3: Drawing Activity**

- In the top half, draw a scene showing how you used technology that day
- Examples:
  - Attending online class
  - Using mobile for learning
  - Watching educational videos
  - Playing games or chatting responsibly

#### **Step 4: Diary Writing**

- In the bottom half, write a short diary entry about your day
- Include:
  - What technology you used
  - Why you used it
  - How it helped you

Example: *Today I attended my online class using my laptop. I learned science through a video lesson. In the evening, I used my phone to complete homework. Technology made my learning easy and fun.*

#### **Step 5: Presentation Tips**

- Give each page a title:
  - “My Digital Life – Day 1”
  - “My Digital Life – Day 2”
  - “My Digital Life – Day 3”
- Keep your work **neat and colourful**
- Add small icons like:

- 

- Use borders or designs to decorate your sheets

You can **choose any 3 activities, such as:**



















- Online learning
- Digital payments
- Using educational apps
- Helping parents with technology
- Watching informative videos

For each section, include:

- A neat drawing or picture
- A short caption (2–3 lines) explaining the activity

Make your work:

- Colourful
- Neat and well-organized

 <b>MY DIGITAL LIFE</b> <b>DAY 1</b> 	 <b>MY DIGITAL LIFE</b> <b>DAY 2</b> 	 <b>MY DIGITAL LIFE</b> <b>DAY 3</b> 
 <p>Attended my online class and learned new topics. </p>	 <p>Used digital payment to pay at the supermarket. </p>	 <p>Learned with educational apps and completed fun quizzes. </p>
<p>Dear Diary, </p> <p>Today I attended my online class using my laptop. Our teacher explained science topics with the help of slides and videos. I asked questions in the chat box and cleared my doubts. Technology helped me learn from home comfortably.</p> <p> Date: 1 May 2025</p>	<p>Dear Diary, </p> <p>Today I went to the supermarket with my mom. We paid the bill using UPI on my phone. I scanned the QR code and the payment was done in seconds. It was quick, easy and safe. Digital payments save time and help us avoid carrying cash.</p> <p> Date: 2 May 2025</p>	<p>Dear Diary, </p> <p>Today I used an educational app to learn maths and science. I watched short videos and also solved quizzes. The app made learning interesting and fun. I learned many new things today. Technology makes learning easy and enjoyable.</p> <p> Date: 3 May 2025</p>

## HINDI

कार्य 1: “मेरा विकसित भारत के अंतर्गत - “स्वच्छ शहर , स्वस्थ नागरिक” या डिजिटल इंडिया पर विज़न बोर्ड” (Vision Board) (संकल्प सहित) बनाइए ।

कैसे करें: - A3 Size Sheet पर या स्क्रीनपबुक पर लिखें: “मेरा सपना - विकसित भारत 2047” उसका चित्र/ड्राइंग बनाएँ और नीचे अपने संकल्प लिखें ।

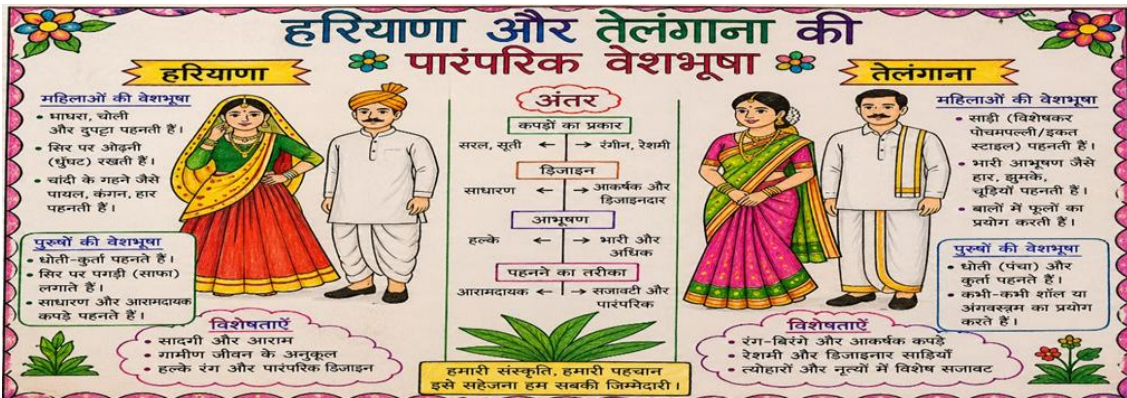


कार्य 2: पोस्टर का शीर्षक:- “विकसित भारत - सबका साथ, सबका विकास” A3 Size Sheet पर गुरु और शिष्य के बीच संवाद लिखते हुए “चित्रकथा” या “कॉमिक्स कथा” बनाइए ।

कैसे करें: - एक तरफ “आज का भारत” (समस्याएँ) तो दूसरी तरफ “भविष्य का भारत” समाधान और विकास दिखाते हुए “कॉमिक्स कथा” बनाइए । उदाहरण -



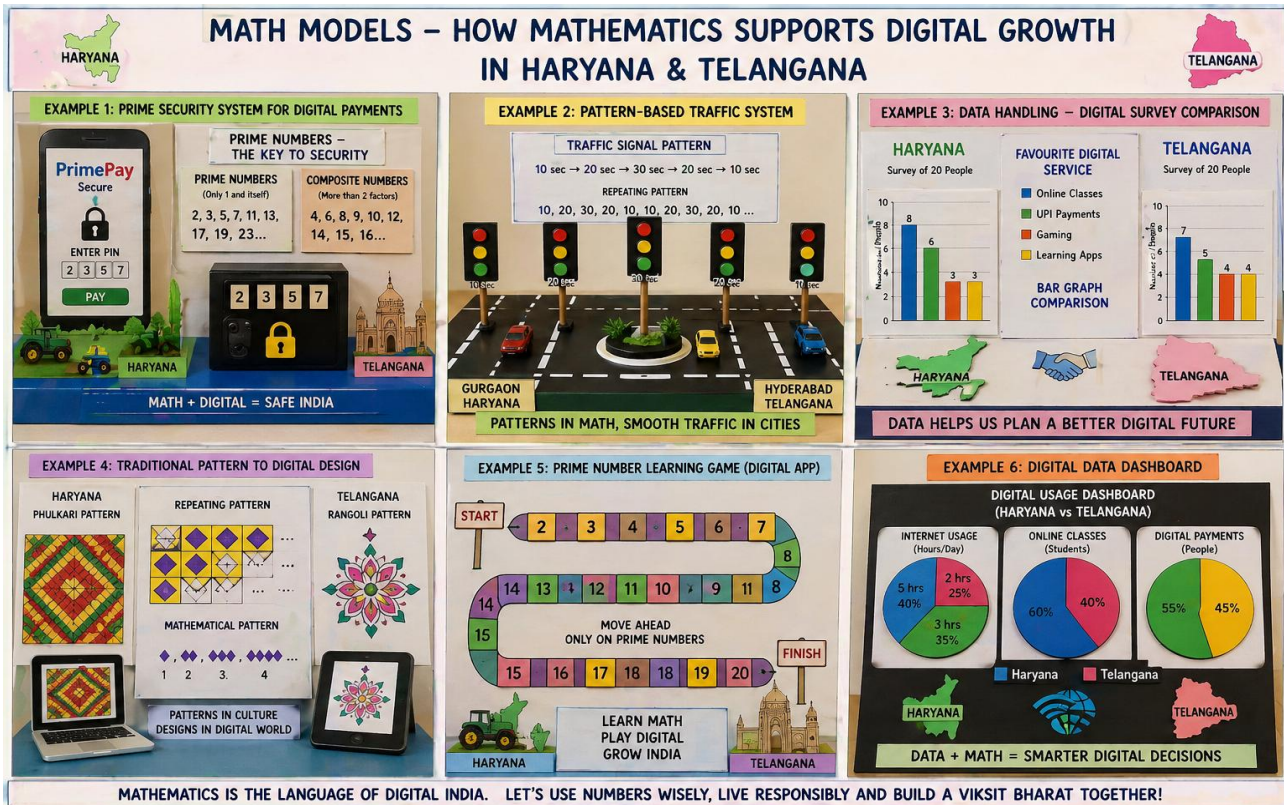
कार्य 3. हरियाणा और तेलंगाना की पारंपरिक वेशभूषा का चित्र बनाकर A3 Size Sheet पर उसका वर्णन कीजिए।



# MATH

## “Digital Math Startup – Connecting Haryana & Telangana through Numbers”

Task 1 – Design a math-based model showing how mathematics supports digital growth in both states.



### Roll No. 1–6: Prime Security System for Digital Payments (UPI)

Concept: Prime Numbers

- Context: Digital payments used in Haryana & Telangana
- Model: Create a prime-number lock system for secure transactions
- Show prime vs composite numbers
- Startup Idea: “PrimePay Secure”

State Link: Safe digital payments in villages & cities

### Roll No. 7–12: Pattern-Based Traffic System

Concept: Patterns

- Context: Traffic flow in cities like Gurgaon & Hyderabad
- Model: Show signal timing in patterns (e.g., 10, 20, 30 sec)
- Startup Idea: Smart traffic control system

State Link: Reducing traffic congestion

### Roll No. 13–18: Digital Data Survey – State Comparison

Concept: Data Handling

- Collect data: Use of digital apps (students/family)
- Compare: Haryana vs Telangana
- Represent using: Bar graph / pictograph

Startup Idea: “DataSmart India” – Data analysis platform

### Roll No. 19–24: Telangana Rangoli Pattern + Haryana Phulkari Design

Concept: Patterns

- Combine: Telangana traditional patterns & Haryana embroidery patterns
- Show repeating number patterns

Startup Idea: Digital design app for cultural art

### Roll No. 24–29: Prime Number Learning Game (Digital App)

Concept: Prime & Composite

- Model: Create a game board/app idea
- Players identify primes to move ahead

Startup Idea: “PrimePlay” – Learning through gaming

State Link: Helps rural students in both states

### Roll No. 30-34: Digital Dashboard – Smart India Data

Concept: Data Handling

- Model: Show
  - Internet usage
  - Online classes
  - Digital payments
- Compare Haryana & Telangana

Startup Idea: “IndiaData Hub”

Data	HARYANA	TELANGANA
Internet usage		
Online classes		
Digital payments		

#### Must Include:

- Startup Name & Logo
- Tagline (Example: “From Haryana to Telangana – Powered by Smart Math”)
- Model with labels
- A3 Chart:
  - Problem (State-based)
  - Math Concept (Prime / Pattern / Data)
  - Digital Connection
  - Solution / Startup Idea
  - Benefits for both states

#### Task 2- “Digital India Math Startup Advertisement”

Design a poster/flyer based on a startup helping both states.

Include:

- Startup Name & Logo
- Tagline (*Think Smart. Act Safe*)
- Math Concept used
- 2–3 benefits
- Haryana + Telangana connection

Example Ideas:

- “PrimePay India” – Secure payments

**DataLink India**  
"Think Smart. Act Safe."  
Smart Data for a Smart India

**MATH CONCEPT USED**  
**DATA HANDLING**  
• Collecting Data  
• Organizing Data  
• Representing Data (Bar Graphs, Pie Charts)  
• Interpreting Data

We use **MATHEMATICS** to collect, analyze and use data for better digital decisions.

**HARYANA + TELANGANA CONNECTION**  
• Different places, same goal – Digital India!  
• Sharing ideas and data  
• Solving problems together  
• Building a better future for all

**BENEFITS**  
• Saves Time: Quick and easy decisions  
• Better Decisions: Helps in planning schools, transport, health and more  
• Better Future: Helps us grow and become a Viksit Bharat

**USE CASES**  
• Education  
• Transport  
• Digital Payments  
• Environment

**MATH CONNECTS... DATA EMPOWERS... INDIA GROWS! • TOGETHER FOR VIKSIT BHARAT!**

- “PatternTraffic AI” – Smart signals
- “DataLink India” – State data analysis
- “CulturePattern App” – Digital art

### **Task 3-REFLECTION ACTIVITY**

**“How Mathematics Helps in Building Digital India” (80–100 words) on A4 sheet**

Include:

- Role of numbers in technology
- Importance of safe digital use
- Your role as a digital citizen
- How both states are growing digitally

### **Task 4- QUESTION BANK (UPLOADED ON ERP)**

#### **GENERAL INSTRUCTIONS**

- Use colours, drawings & creativity
- Clearly show mathematical concepts
- Maintain neatness
- Submit in a decorated file with theme cover: “Viksit Bharat – Digital India”

## SCIENCE

### A. Model Making:

#### 1. Smart Irrigation Model (ROLL NO. 1 to 8)

Use a small pot, soil, and a straw as a pipe. Show how water reaches plants. Add a label “sensor” to show automatic watering.



#### 2. Solar Energy Conversion Model (ROLL NO. 9 to 16)

Draw and paste a solar panel on cardboard. Connect it with wires to a LED. Show how sunlight → energy → charging (use wire).



#### 3. Rainwater Harvesting model (ROLL NO. 17 to 25)

Make a house with a slant roof using cardboard. Use straws to show rainwater going into a storage tank.



#### 4. Traffic Light System model (ROLL NO. 26 to 34)

Make a road with toy cars. Use colored paper (red, yellow, green) or LED lights to show signals changing.



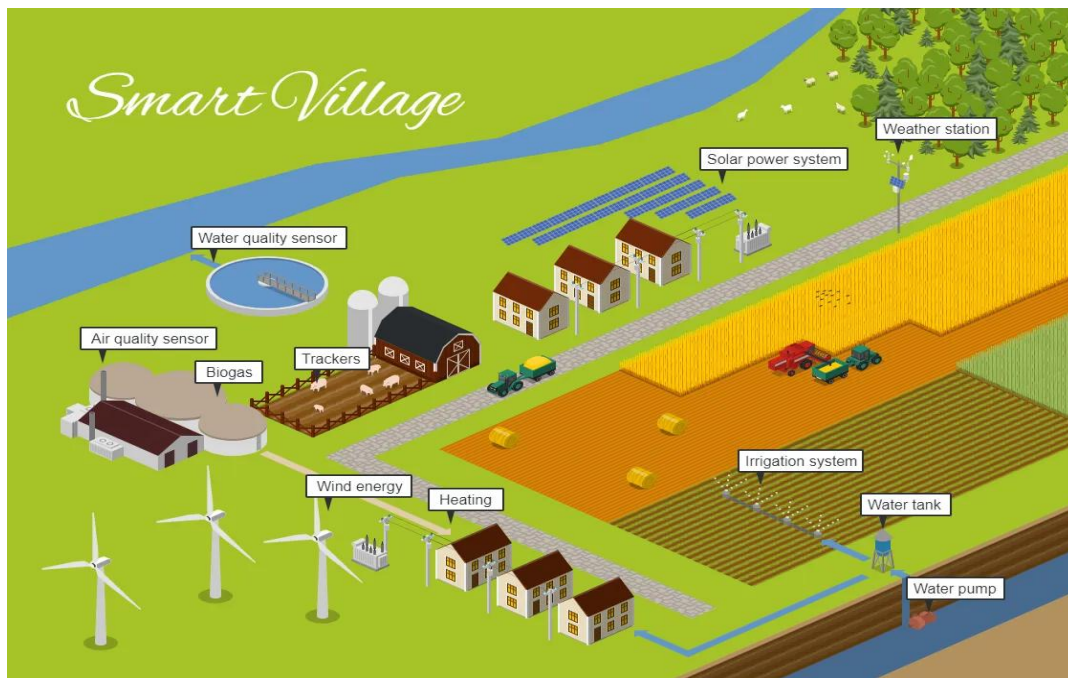
### B. PPT Task:

Create a short video or movie (1–2 minutes) showing how digital technology is transforming Telangana. Show digital services, explain **Input** → **Process** → **Output**, highlight benefits and safety, and include one real-life example.

Here are some easy tools that students can use to make a video/movie:

- **Microsoft PowerPoint** – Make slides and export as a video
- **Canva** – Drag-and-drop templates for videos
- **CapCut** – Simple editing with effects and music
- **InShot** – Easy trimming and adding text
- **Windows Video Editor** – Basic video maker on PC

## SOCIAL STUDIES



### 1. Working Model Ideas

- Smart Village Model (Haryana + Telangana blend)
- Objective: Students will understand how technology can improve rural life by combining features from Haryana and Telangana to design a modern, sustainable smart village.

Instructions: - Students create a 3D model or chart showing these digital features:

#### 1. Solar-Powered Street Lights

- Use sticks/straws to show poles
- Add small paper “solar panels” on top
- Label: *Eco-friendly lighting system*

#### 2. Digital Classrooms

- Show a school building
- Add labels like:
  - Smart boards
  - Tablets/computers
- Mention: *Online learning access*

#### 3. E-Health Centre (Telemedicine)

- Create a small clinic
- Add symbols like:
  - Mobile phone/computer
- Label: *Doctor consultation through internet*

#### 4. Smart Irrigation System

- Show farms with:
  - Pipes/drip irrigation
- Label: *Water-saving technology using sensors*

## 2 A. Collage Theme: “Journey from Traditional India to Digital India”

Objective- Show the transformation from traditional to digital India.

Materials: Chart paper, pictures, glue, scissors, colours.

Steps

1. Divide sheet → Left: Traditional | Right: Digital
2. Add visuals
  - Traditional: cash, farming, markets
  - Digital: UPI payments, startups, agri-tech
3. Show change → Arrow/timeline
4. Add slogans
  - “Click Today, Progress Tomorrow”
  - “From Cash to Clicks”
5. Present briefly your collage

OR

## 2 B. Poster- Title: “Digital Transformation in My India”

Objective-Understand India’s digital growth and your role in it.

Materials- Chart paper/ A3, colours, pens, pictures.

Steps

1. Title: Write clearly at the top: *Digital Transformation in My India*
2. Introduction: Add 2–3 lines about the Digital India Mission
3. Main Sections

Include:

- E-governance (online services)
- Agriculture tech (smart farming)
- IT industry (software, jobs)
- Startups (T-Hub) (innovation, new ideas)
- Student Reflection: Write 3–4 lines on “*How can I contribute to Digital India?*”.

## SANSKRIT





### सृजनात्मक-कार्यम्-१ (Creative Tasks)

पोस्टरम् (Poster) – संस्कृत घोषवाक्यैः सह (in big, colourful letters):

डिजिटलं भारतम्, समर्थं भारतम्! (Digital India is a Strong India!)

प्रत्येकः हस्ते दूरभाषः, प्रत्येकः गृहे प्रगतिः। (A mobile in every hand, progress in every home.)

पोस्टर में चित्र बनाओ: (Chart Paper)

-  Mobile / Smartphone
-  Laptop / Computer
-  Satellite
-  Village + City connected by internet

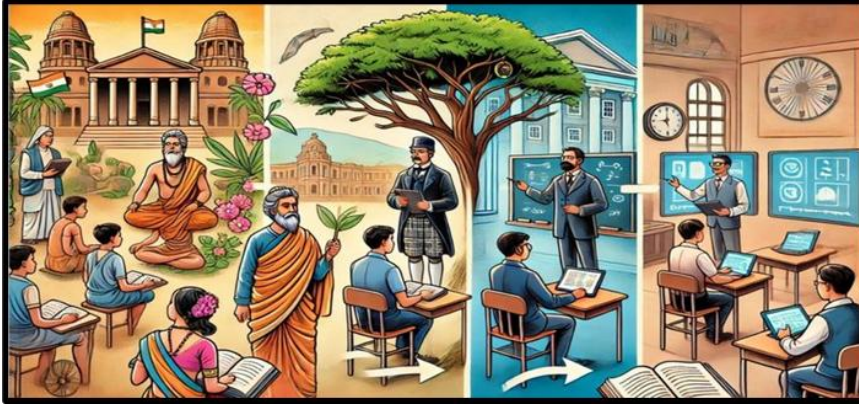


### अनुसन्धान-कार्यम्-२ (Research Tasks)

- शब्दकोशः – तकनीकी शब्दों के संस्कृत अर्थ खोजो जैसे – Internet = जालम्, Mobile = दूरभाषः, Computer = संगणकम् (A3 Sheet)

### प्रस्तुति-कार्यम्-३ (Presentation Tasks)

- तुलनात्मक लेखनम् – प्राचीन भारत vs डिजिटल भारत चित्र सहित (A3 Sheet)



### लेखन-कार्यम्-४ (Writing Tasks)

- निबन्धः – "डिजिटल इण्डिया : भारतस्य भविष्यम्" विषये संस्कृते निबन्धं लिखतु (A4 Sheet)

### तुलनात्मक अध्ययनम् कार्यम्-५ (Pairing State - Telangana)

"हरियाणा-तेलंगाना राज्ययोः व्यञ्जनां सूचिं निर्माय, प्रत्येकं राज्यस्य चत्वारि चत्वारि प्रसिद्धानि व्यञ्जानि चित्रैः सह संस्कृतभाषायां लिखत।" (A3 Sheet)



## COMPUTATIONAL THINKING AND ARTIFICIAL INTELLIGENCE

*"In the digital world, literacy is power, critical thinking is protection, and citizenship is responsibility."*



**Objective:** The aim of this homework is to help students cultivate digital literacy, critical thinking, and responsible citizenship, equipping students to engage meaningfully and safely in the digital world.

### 1. Design a presentation using AI tool “Gamma”

**Topic:** Digital footprints, cybersecurity and safe Internet practices for students.

#### Instructions:

- Presentation should include Students Name, Class Section on the Title slide.
- The presentation should have 7-8 slides.
- Use relevant images.
- Add real life examples
- Use slide transitions and animations wisely
- Keep text short and to the point
- Submit your presentation on MS Teams (in Computer Channel) with the file name as “HHW\_Presentation\_StudentName”.

### 2. Create a digital poster using the digital tool “Canva”.

**Topic:** Digital India initiatives.

#### Instructions:

- Include technological developments/IT Hubs in Haryana and Telangana.
- Submit your poster on MS Teams (in Computer Channel) with the file name as “HHW\_Poster\_StudentName”.