







DDMS P. OBUL REDDY PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK
CLASS-X (2025-26)

S.NO	SUBJECT	ACTIVITY
1.	ENGLISH	<p>QUESTION 1: Design a 5 page Literary Magazine based on the inputs given below: (10m)</p> <p>*Page-1: A diary entry highlighting an anecdote (your own experience during this summer vacation)-2m</p> <p>*Page-2: An informal letter written by you to your cousin/friend/an extended family member highlighting details about your future career-2m</p> <p>*Page-3: Poster making on the theme “Save Water” along with a slogan created on your own-2m</p> <p>*Page-4: Write an analysis of the poem “Dust of snow” giving your perspective about the poem in about 100 words- 2m</p> <p>* Page-5: Pictorial presentation of the poem “Fire and Ice” depicting the theme and highlighting both the terms ie; fire & ice along with the traits that each one represents-2m</p> <p>Note: Use A4 size sheets and design a cover page as well. Make your project colourful.</p> <p>Rubrics: Content (includes neatness & presentation)-6m Organisation of ideas, Fluency & Accuracy-4m</p> <p>QUESTION 2: You are suggested to read one of the following books and write a book review in about 100-120 words. You may choose any one from the given list of books.</p> <p>*The Adventures of Huckleberry Finn by Mark Twain</p> <p>* To Kill a Mockingbird by Harper Lee</p> <p>How to write a Book Review</p> <p>*Start with a couple of sentences describing what the book is about. ...</p> <p>*Discuss what you particularly liked about the book. ...</p> <p>*Mention anything you disliked about the book. ...</p>

		<p>*Round up your review. ...</p> <p>*You can give the book a rating, for example a mark out of five or ten, if you like!</p> <p>Note: Use A4 size sheets and design a cover page as well.</p> <p>Rubrics:</p> <p>Content ((includes neatness & presentation) -6m</p> <p>Organization of ideas & Citations -4m</p>								
2.	II-LANGUAGE TELUGU	<p><u>TELUGU II LANGUAGE SUMMER HOLIDAY HOMEWORK - 2025-26</u></p> <p>కొసల్యాసుప్రజారామ పూర్వా సంధ్యా ప్రవర్తతే</p> <p>ఉత్తిష్ఠ నరశార్థూల కర్తవ్యం దైవమాహ్నికమ్.</p> <p>సుప్రభాతం వినని వారు, రాముని పేరు తలవని వారుండరు అనేది నిజం.</p> <p>అటువంటి విశిష్టమైన రామచరిత్రలోని ఆరు కాండలను ఉపవాచకంగా మనం చదువుకొనే అవకాశం కలిగింది.</p> <p>రామాయణం ప్రపంచ సాహిత్యంలోనే అదికావ్యం. ఇది మన జీవితాలను సంస్కరించగల కావ్యం.</p> <p>అటువంటి రామాయణంలోని “సుందరకాండ “ చదివి,</p> <ul style="list-style-type: none">• హనుమంతుడు లంకలో ప్రవేశించిన విధానం• సీతాన్వేషణ వృత్తాంతమునూ తగిన చిత్రాలతో వివరంగా రాయండి.• M.S. రామరావు ఆలపించిన సుందరకాండ విని అర్థం చేసుకోవటానికి ప్రయత్నం చేయండి. <div style="display: flex; justify-content: space-around;"></div> <p>RUBRICS :</p> <table style="margin-left: auto; margin-right: auto;"><tr><td>శీర్షిక, ప్రదర్శన =</td><td>2మా</td></tr><tr><td>విషయ వివరణ =</td><td>6మా</td></tr><tr><td>చిత్రాలు =</td><td>2మా</td></tr><tr><td>మొత్తం =</td><td>10మా</td></tr></table>	శీర్షిక, ప్రదర్శన =	2మా	విషయ వివరణ =	6మా	చిత్రాలు =	2మా	మొత్తం =	10మా
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చిత్రాలు =	2మా									
మొత్తం =	10మా									

		<ul style="list-style-type: none"> • ఒక కార్యసాధకునికి ఉండవలసిన లక్షణాలను తెలుసుకొంటారు. • ఏ కార్యాన్నైనా పట్టుదలతో సాధించాలని గ్రహిస్తారు. • స్వామిభక్తి, బుద్ధికుశలత, వాక్పాతుర్యం, • రామాయణ కథను సంగ్రహంగా తెలుసుకుంటారు <p>-----0000-----</p>
3	II-LANGUAGE HINDI	<div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <p>ART INTEGRATED PROJECT-EBSB</p> <p>एक भारत – श्रेष्ठ भारत – विषय संवर्धन गतिविधि</p> </div>  </div> <p style="text-align: center;">विषय-हिंदी</p> <p>संसार में कला की अपनी ही अलग उड़ान होती है। कलात्मक एकीकरण कार्य छात्रों के समग्र विकास के लिए अत्यंत आवश्यक है। यह उनकी रचनात्मकता, कल्पनाशक्ति और समस्या-समाधान कौशल को बढ़ाने में मदद करता है। कला के माध्यम से छात्र अपने विचारों को प्रभावी ढंग से व्यक्त करना सीखते हैं, जिससे उनकी आत्मविश्वास और संचार क्षमता बढ़ती है। इसके अलावा, यह शिक्षण को अधिक रोचक और आकर्षक बनाता है, जिससे वे विषयों को बेहतर तरीके से समझते हैं। कुल मिलाकर, कला शिक्षा छात्रों के मानसिक, भावनात्मक और बौद्धिक विकास में सहायक होती है।</p> <p>‘एक भारत-श्रेष्ठ भारत’ शीर्षक के अंतर्गत भारत के दोनों राज्यों, झारखंड तथा तेलंगाना की, भौगोलिक स्थिति, आदिवासी जनजाति की कला-संगीत, नृत्य और खान-पान से सम्बंधित जानकारी क्रमबद्ध तरीके से प्रस्तुत करें।</p> <p>विषय -² तेलंगाना और झारखंड: एक अनुसंधान आधारित अध्ययन ²</p> <p>परियोजना का उद्देश्य: इस परियोजना के माध्यम से तेलंगाना और झारखंड राज्यों के ऐतिहासिक, भौगोलिक, सांस्कृतिक एवं सामाजिक पहलुओं का विश्लेषण करने का सुअवसर उपलब्ध होगा। यह अध्ययन इन दोनों राज्यों की विशेषताओं, विविधता और विकास को समझने में सहायक होगा। निम्नलिखित में से किन्ही तीन विषय-बिन्दुओं को चुनकर एक आकर्षक ज्ञानवर्धक परियोजना का निर्माण करें।</p> <p>विषयवस्तु में अपेक्षित प्रमुख बिंदु:</p> <ul style="list-style-type: none"> ² तेलंगाना और झारखंड की ऐतिहासिक पृष्ठभूमि ² दोनों राज्यों की भौगोलिक विशेषताएँ ² सांस्कृतिक धरोहर एवं परंपराएँ

- ❑ सामाजिक एवं आर्थिक विकास
- ❑ प्रमुख उद्योग एवं आजीविका के साधन
- ❑ पर्यटन

विधिसूचक निर्देश (Rubrics)-

समग्र – प्रस्तुतिकरण	सामग्री चयन	भाषा-सौष्ठव	चित्रात्मक वर्णन	आवरण पृष्ठ	कुलांक
2	2	2	2	2	10

अधिगम उद्देश्य - अनुसंधान कौशल विकसित करना, सृजनात्मकता को बढ़ावा देना, विषयगत समन्वय को समझना, संचार और प्रस्तुति कौशल

अधिगम परिणाम - 1. छात्र आँकड़े एकत्र करने और उसके विश्लेषण की बेहतर क्षमता विकसित करेंगे।

2. छात्र कला-सम्बंधित गतिविधियों में अपनी रचनात्मकता को व्यक्त करने में सक्षम होंगे।

3. विभिन्न विषयों (हिंदी, सामाजिक विज्ञान, विज्ञान, कला) के साथ समन्वय बनाना सीखेंगे।

आवश्यक दिशा-निर्देश-

1- प्रस्तुतीकरण आकर्षक व सुन्दर लेख में होना चाहिए। प्रस्तुत जानकारी तथ्यों व आंकड़ों पर आधारित हो।

2- आवश्यकतानुसार चित्रों का समावेश किया जाना चाहिए।

3- आप एकत्रित जानकारी रंगीन A-4 शीट या चार्ट पेपर पर हस्तलिखित रूप में जमा कर सकते हैं

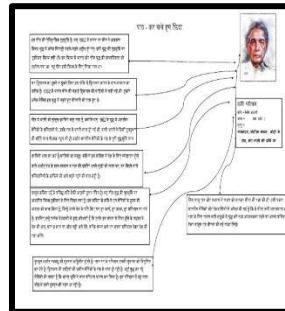
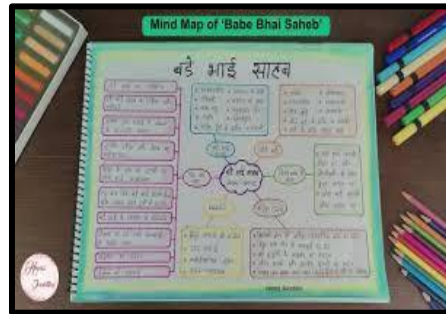
4- आवरण पृष्ठ बनाना आवश्यक है।



2- कक्षा दसवीं के लिए निर्धारित पाठ्य- पुस्तक स्पर्श तथा संचयन से किसी एक पाठ को चुनकर उस पर आधारित एक रोचक कॉमिक पुस्तिका अथवा पोस्टर का निर्माण कीजिए जो पाठ के सार-चित्र के रूप में हो।

अनुमोदित पाठ - स्पर्श - तताँरा-वामीरो , बड़े भाई साहब , पर्वत प्रदेश में पावस अथवा कर चले हम फ़िदा

संचयन - हरिहर काका अथवा टोपी शुक्ला



4.

MATHEMATICS

Activity-1: Find the zero/zeroes of the given polynomials by the graphical method.

Linear polynomial: $2x + 5$

Quadratic polynomial: $x^2 - 7x + 12$

Cubic polynomial: $x^3 - 4x$

Also fill the information in the given tabular form.


S. No.	Polynomial	Zeroes	Degree of the polynomial	No. of zeroes	Remarks
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Objective: To enable the students understand how to find the zeroes of the polynomials graphically.

- **NOTE:** Please refer maths lab manual.

Activity-2: (Case Based Question)

To enhance the reading skills of grade X students, the school nominates you and two of your friends to set up a class library. There are two sections- section A and section B of grade X. There are 32 students in section A and 36 students in section B.

		<p>Answer the following questions.</p>  <p>(i) What is the minimum number of books you will acquire for the class library, so that they can be distributed equally among students of Section A or Section B?</p> <p>(ii) If the product of two positive integers is equal to the product of their HCF and LCM is true then, then find HCF (32 , 36) .</p> <p>(iii) Expressed 1350 as product of its primes.</p> <p>(iv) If p and q are positive integers such that $p = a$ and $q = b$, where a , b are prime numbers, then what is the HCF and LCM of p and q?</p> <p>Objective: To enable the students understand that Maths is a foundational skill used in various real-life situations.</p> <p>Instructions to be followed:</p> <ul style="list-style-type: none"> ✓ Students should do the activities in Math Lab book. ✓ Tabular form info should be neat and appropriate. ✓ Graphical representation should be neat and accurate. <p>Rubrics :</p> <ul style="list-style-type: none"> ✓ Punctuality-1m ✓ Content-5m ✓ Tables and graphs-2m ✓ Presentation-2m
5.	PHYSICS	<p>Class 10 Science – Physics Summer Holiday Homework</p> <p><u>1. Activity: Tracing Magnetic Field Lines Using a Compass</u></p> <p>Materials Needed:</p> <p>Bar magnet</p> <p>Magnetic compass</p> <p>White paper</p> <p>Pencil</p> <p>Tape (optional)</p>

Learning Objectives

- Identify and name the poles of a bar magnet.
- Observe and interpret how the direction of the compass needle changes at different points around the magnet.
- Create a complete magnetic field diagram of a bar magnet using compass tracing, including labelling poles and direction of lines.

Procedure:

1. Place the bar magnet on the white paper and trace its outline.
2. Mark the N (North) and S (South) poles on the magnet.
3. Place the magnetic compass near the North Pole of the magnet.
4. Note the direction of the compass needle.
5. Draw a small arrow on the paper in the direction the needle points.
6. Move the compass a little forward in the direction of the arrow, and again mark the new direction.
7. Repeat this till you reach the South Pole of the magnet.
8. Now, repeat this process for other points around the magnet to get multiple curved lines from North to South.

Learning Outcomes:

By the end of this activity, students will be able to:

- **Explain** how a magnetic compass works and aligns with magnetic field lines.
- **Trace** and **draw** magnetic field lines around a bar magnet using a compass.
- **Observe** and **interpret** the direction of magnetic field at various points around the magnet.

Assessment criteria

- | | |
|--------------------------|----|
| → Concept Understanding | 2m |
| → Diagram & Presentation | 3m |
| → Inference | 2m |

2. Concept Builder (NCERT Physics Chapters)

Chapters Covered:

- Light reflection and refraction
- Human eye and colourful world
- Electricity
- Magnetic effects of currents

		<p>Task: For any TWO of the chapters above, frame six questions based on Bloom's Taxonomy levels:</p> <table border="1"> <thead> <tr> <th>Level</th><th>Action Verb Example</th><th>Your Task</th></tr> </thead> <tbody> <tr> <td>Remembering</td><td>List / Define</td><td>1 question (0.5 mark)</td></tr> <tr> <td>Understanding</td><td>Explain / Describe</td><td>1 question (0.5 mark)</td></tr> <tr> <td>Applying</td><td>Use / Solve</td><td>1 question (0.5 mark)</td></tr> <tr> <td>Analysing</td><td>Compare / Differentiate</td><td>1 question (0.5 mark)</td></tr> <tr> <td>Evaluating</td><td>Justify / Critique</td><td>1 question (0.5 mark)</td></tr> <tr> <td>Creating</td><td>Design / Invent</td><td>1 question (0.5 mark)</td></tr> </tbody> </table> <p>Learning Outcomes:</p> <p>❖ Students will be able to recall key facts and explain ideas or concepts in their own words.</p> <p>Students will be able to use knowledge and break down information into parts and understand its structure.</p> <p>❖ Students will be able to justify decisions to produce original work using what they've learned.</p>	Level	Action Verb Example	Your Task	Remembering	List / Define	1 question (0.5 mark)	Understanding	Explain / Describe	1 question (0.5 mark)	Applying	Use / Solve	1 question (0.5 mark)	Analysing	Compare / Differentiate	1 question (0.5 mark)	Evaluating	Justify / Critique	1 question (0.5 mark)	Creating	Design / Invent	1 question (0.5 mark)
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6	CHEMISTRY	<p>ART INTEGRATED HOLIDAY HOMEWORK</p> <p>Holiday homework: <u>ACTIVITY</u>: “Metals vs Non-Metals – The Ultimate Face-off!”</p> <p>Character Profile Cards (Like Superheroes!)</p> <p>Learning Objective:</p> <ul style="list-style-type: none"> Scientific understanding of elements (metals and non-metals). Creative thinking and visualisation. Research and presentation skills. Application of knowledge to real-world examples. <p>Instructions:</p> <p>Create character cards for at least 3 metals and 3 non-metals. Each card must include:</p> <ul style="list-style-type: none"> Name of the element Symbol and atomic number Physical properties (lustre, malleability, ductility, etc.) Chemical properties (reaction with water, acids, oxygen, etc.) Common uses in real life One fun fact or trivia 																					

		<p>Bonus: Draw art or make a collage on A4 sheets to make each element a superhero or villain character, highlighting their powers (properties).</p> <p>Learning Outcomes:</p> <ul style="list-style-type: none"> ● Identify and compare the physical and chemical properties of metals and non-metals. ● Understand real-life applications of elements. ● Visualise chemical reactions. ● Develop research, presentation, and creative thinking skills. <p>Submission Format:</p> <p>→ Neatly draw or make a collage on A4 sheets. (Maximum 7)</p> <p>→ Add a title page and a short description of the comic. (Your name, class, section and roll number to be written)</p> <p>Assessment Criteria:</p> <table> <tr> <td>→ Concept Understanding</td> <td>2m</td> </tr> <tr> <td>→ Creativity & Presentation</td> <td>2m</td> </tr> <tr> <td>→ Element information</td> <td>2m</td> </tr> <tr> <td>→ Clarity of communication</td> <td>2m</td> </tr> <tr> <td>→ Application to Real Life/Uses</td> <td>2m</td> </tr> </table>	→ Concept Understanding	2m	→ Creativity & Presentation	2m	→ Element information	2m	→ Clarity of communication	2m	→ Application to Real Life/Uses	2m
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7	BIOLOGY	<p>SUBJECT ENRICHMENT PROJECT</p> <p>Project Title:</p> <p>“Effect of Non-Biodegradable Waste on Environment and Human Health”</p> <p>Objective:</p> <p>To research the harmful impacts of non-biodegradable waste (like plastics, synthetic chemicals, etc.) on ecosystems, biodiversity, and human health and explore possible alternative</p> <p>1. Research Questions: (2M)</p> <ol style="list-style-type: none"> 1. What are non-biodegradable wastes and their common sources in daily life? 2. What is their impact on living organisms and human health? <p>2. Sources of Non-Biodegradable Waste (1 ½ M)</p> <ul style="list-style-type: none"> ● Domestic (plastic bags, bottles, packaging) 										

		<ul style="list-style-type: none"> Industrial (chemicals, synthetic materials) Agricultural (pesticides, plastic mulch) Include pictures or pie charts if possible. <p>3. Harmful Effects (1 ½ M)</p> <ul style="list-style-type: none"> On human health (e.g., microplastics, toxic chemicals) <p>4.. Real-Life Case Studies (3M)</p> <p>Microplastics in marine animals Add images, newspaper clippings, or graphs if available.</p> <p>5. Conclusion (2M)</p> <ul style="list-style-type: none"> Summary of key points Personal reflections Suggestions for your school or neighborhood <p>6. References</p> <ul style="list-style-type: none"> Websites, books, articles used
8	SOCIAL SCIENCE	<p>Project work – Class X</p> <p>Choose any one of the following topics.</p> <p><u>Social Issues :</u></p> <ol style="list-style-type: none"> 1. Unemployment & Job Insecurity 2. Reality of Child Labour 3. Online Safety and Cyberbullying 4. Impact of Caste on Indian Polity 5. Corruption in Government and Bureaucracy 6. Population Explosion and its Consequences <p><u>Objective :</u></p> <ul style="list-style-type: none"> ❖ Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the project report. ❖ If possible various forms of art may be integrated in the Project work. ❖ It should help in enhancing the Life Skills of the Students.

A summary report should be prepared highlighting :

- o Innovative ideas generated in the process.
- o The Project report should be handwritten.

Learning Outcomes :

Students will **understand** the causes and effects of unemployment in India and explore ways the government and society can create better job opportunities.

- ✓ Students will be able explain the causes of child labor and assess its implications in today's Indian society.
- ✓ Students will be able to identify the importance of staying safe online, understand the effects of cyberbullying, and know how to respond responsibly.
- ✓ Students will explore how caste influences political decisions, representation, and policies in India's democracy.
- ✓ Students will examine how corruption weakens governance and development, and discuss the role of laws in tackling this issue.
- ✓ Students will understand the factors contributing to rapid population growth and its effect on resources, employment, and quality of life, and explore possible solutions.

Guidelines :

- a) The Project report should be handwritten.
- b) The project work should be done in A4 size sheets (10-15 pages including cover page, conclusion and Bibliography)
- c) b. The project should follow the format given below:
 - Cover Page
 - Index

		<ul style="list-style-type: none"> - Introduction- Brief about the topic chosen - Causes and related factors (what, why, how) - Case Studies (at least 2) OR Real-Time data collected from relevant stakeholders (Min 5) - Conclusion - Bibliography <p>c. The distribution of marks over different aspects relating to Project work is as follows :</p> <p><u>Rubrics :</u></p> <table> <tr> <th>S.No</th><th>Aspects</th><th>Marks</th></tr> <tr> <td>a</td><td>Content accuracy, originality and analysis</td><td>2</td></tr> <tr> <td>b</td><td>Presentation and creativity</td><td>2</td></tr> <tr> <td>c</td><td>Overall neatness , pictures and good handwriting skills</td><td>1</td></tr> </table> <p>Date of submission : 12th of June 2025.</p>	S.No	Aspects	Marks	a	Content accuracy, originality and analysis	2	b	Presentation and creativity	2	c	Overall neatness , pictures and good handwriting skills	1
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a	Content accuracy, originality and analysis	2												
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9	ARTIFICIAL INTELLIGENCE	<p>Namaste! As per CBSE - student eager to explore the fascinating world of Artificial Intelligence, pursue Skill Development Certificate in AI Foundations.</p> <p><i>Enroll for AI Foundations - A Collaboration of ISTE and IBM: This course is specifically designed for high school students and is estimated to take around 14-15 hours to complete.</i></p> <p>Here's a clear, step-by-step guide to help you through the process:</p> <p>Step 1: Access the IBM SkillsBuild Platform</p> <ul style="list-style-type: none"> * Open your web browser (like Chrome, Firefox, Safari, etc.). * Go to the IBM SkillsBuild website: https://skillsbuild.org/ <p>Step 2: Create an Account (if you don't have one)</p> <ul style="list-style-type: none"> * On the IBM SkillsBuild homepage, you'll likely see a button that says "Register," "Sign Up," or "Get Started." Click on it. * You'll be asked to provide some basic information, such as your name, email address, and a password. Since you're a school student, look for options that might be specifically for students. 												

		<p>* Follow the on-screen instructions to complete the registration process. You might need to verify your email address.</p> <p>Step 3: Find the "Artificial Intelligence Foundations" Course</p> <p>* Once you're logged in, you can explore the course catalog. Look for a search bar or browse through the available learning paths or topics.</p> <p>* Search for keywords like "Artificial Intelligence," "AI Foundations," or "IBM AI."</p> <p>* You should find a course specifically named "Artificial Intelligence Fundamentals" or something similar offered by IBM.</p> <p>Step 4: Enroll in the Course</p> <p>* Click on the "Artificial Intelligence Foundations" course to view its details.</p> <p>* You should see an "Enroll" or "Start Learning" button. Click on it to join the course. The IBM SkillsBuild platform generally offers these courses for free.</p> <p>Step 5: Complete the Course Modules</p> <p>* The course will be divided into several modules or sections. These will cover the fundamental concepts of AI. Based on the information available, you can expect to learn about:</p> <ul style="list-style-type: none"> * What AI is and its various applications in daily life and different industries. * Basic AI terminology like Machine Learning, Deep Learning, and Neural Networks. * Key AI capabilities such as Natural Language Processing, Computer Vision, and Chatbots. * Ethical considerations surrounding AI. * The job outlook and career paths in the field of AI. <p>* Go through each module step by step. The platform will likely have videos, readings, quizzes, and possibly hands-on labs.</p> <p>* Pay close attention to the learning materials and complete all the activities in each module.</p> <p>Step 6: Complete the Assessments</p> <p>* As you progress through the course, there will be practice quizzes and potentially graded quizzes at the end of each module or a final</p>
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		<p>assessment at the end of the course.</p> <p>* Make sure to complete all the assessments to test your understanding of the concepts.</p> <p>Step 7: Earn Your Certificate</p> <p>* Once you have successfully completed all the modules and passed the required assessments, you will be eligible to receive the IBM Skill Development Certificate in Artificial Intelligence Foundations.</p> <p>* The platform will usually provide a notification or a button to claim your certificate. This might be a digital badge that you can share on your resume, social media profiles (like LinkedIn), or download as a PDF.</p> <p>Key Things to Remember:</p> <ul style="list-style-type: none">● No Prior Knowledge Required: This foundational course is designed for beginners, so you don't need to have any prior experience in AI or programming.● Self-Paced Learning: You can usually learn at your own pace, fitting the course around your school schedule.● Free of Cost: IBM SkillsBuild generally offers these foundational courses for free, which is excellent for students.● Digital Credential: You will receive a verified digital badge from IBM upon successful completion, which is a valuable addition to your profile. <p>By following these steps, you should be able to successfully enroll in and complete the IBM Skill Development Certificate in Artificial Intelligence Foundations. All the best in your AI learning journey!</p>
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