

# CHALLENGE

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State Level AI-Based Competition Tailored for  
Higher Secondary School Children in Kerala

January 18-27, 2024

## AI CHALLENGE HIGHLIGHTS:

Dive into the world of Artificial Intelligence with AI CHALLENGE! This event offers a range of exciting challenges, from storytelling to video creation, providing you with the perfect stage to showcase your creativity and intelligence.

### Tailored for Higher Secondary Students

Exclusively designed for higher secondary students, AI CHALLENGE ensures that the competition is in sync with your academic journey. The challenges are crafted to align with your cognitive development, offering an educational yet thrilling experience.

### Cutting-Edge Technology

Experience the latest in technology! Engage with cutting-edge advancements in AI and witness first-hand its transformative power. Beyond a mere competition, AI CHALLENGE promises an immersive exploration of the future. Join us for an unforgettable journey!

## EVENT DETAILS

### Competition Format:

**Round 1–District Level:** Conquer local challenges at your nearest IHRD institutions to secure your spot in the next round.

**Round 2–State Level:** The ultimate showdown unfolds at Calicut during THARANG 24, where the brightest minds compete for glory.

### Competition Segments

#### Category 1(Output Medium-Print) – Round 1 and Round 2

- AI Short Essay (technical) Writing
- AI Painting
- AI Style Transfer

#### Category 2(Output Medium-Video) – Round 2 only

- AI–Nature’s Symphony

### Dates and Venues

**Round 1–District Level:** The District Coordinating Institution of IHRD will provide timely announcements and communications to all higher secondary schools in the district. Please take note that the competitions are scheduled to be held from January 18 to January 27, 2024, in IHRD institutions across the respective districts

**Round 2–State Level:** The ultimate showdown unfolds at Calicut during THARANG 24, where the brightest

minds compete for glory. The competition dates are set for February 3, 2024, for Category-1 and February 4 for Category-2. The venue for both categories is the THARANG 24 Venue in Calicut.

### Participation Benefits

**Certificate of Participation:** Every participant will be awarded a participation certificate issued by the IHRD, recognizing your valuable contribution to this engaging event.

**Prizes and Rewards:** Win enticing rewards and prizes in both the rounds in all items and in all categories of competition that reflect your achievements and commitment to excellence. Prizes include Grade Certificates, Cash awards and Complimentary enrolment in AI training programs.

### Registration Information

**No Registration Fee:** We believe in providing equal opportunities for all. Participate freely without any registration charges.

## DESCRIPTIONS OF ITEMS WITHIN EACH COMPETITION SEGMENT

### Category 1 : AI Short Essay (technical) Writing

#### Levels–Round 1 and Round 2

Generate an essay in the English language on a specified topic within 30 minutes using either ChatGPT 3.5 or Google Bard. The 30-minute countdown starts when the topic is announced. Participants are not allowed to manually edit or correct the generated essay using any external editor. Only the AI tool should be employed for modifications. Ensure that the length of the essay is kept under 1000 words.

### Category 1 : AI Style Transfer

#### Levels–Round 1 and Round 2

Generate a poem in the Malayalam language inspired by a provided image using ChatGPT 3.5 or Google Bard. The 30-minute countdown begins as soon as the image is revealed. Avoid manually editing or correcting the poem with any external software; utilize only the AI tool for modifications. Ensure the poem remains under 300 words in length.

### Category 1 : AI Painting

#### Levels–Round 1 and Round 2

Generate an image on a given topic using Stable Diffusion (<https://stability.ai/>) or Midjourney (<https://www.midjourney.com/>) within one hour from the announcement of the topic.

Editing of the generated image using an image editor is not allowed. Participant shall use only the AI tool to make modifications in the image. The dimension of the image must be less than that of an A4 sheet

## Category 2 : AI–Nature’s Symphony

### Levels –State Level only

Theme for the competition is “Preserving Nature -A Generative AI Creation”.

Objective: Unleash imagination by creating a captivating narrative about safeguarding nature, utilizing advanced generative AI tools. Showcase one’s concepts in a video enriched with visuals and music crafted entirely by AI.

### Tools Recommended for AI–Nature’s Symphony

- GPT 3.5
- DALL-E 2
- SoundRaw
- Canva
- Freepik AI Image Generator

### Guidelines:

**Storyline:** Develop a captivating narrative that underscores the significance of environmental conservation. Showcase your passion for nature through an engaging plot that resonates with viewers.

**AI Integration:** Harness the power of AI tools such as GPT 3.5 and DALL-E 2 to generate unique content. Enrich your video with AI-created images and explore the fusion of words and visuals for a mesmerizing storytelling experience.

**Musical Aura:** Utilize AI-generated music with SoundRaw to enhance the emotional impact of your video. Create a harmonious symphony that complements the storyline and immerses the audience in the beauty of your message.

**Visual Appeal:** Craft visually stunning scenes using AI-generated images from DALL-E 2. Experiment with Canva to refine and arrange these visuals into a cohesive and aesthetically pleasing video presentation.

**Originality:** Showcase your individuality by pushing the boundaries of creativity. Your submission should reflect a unique blend of storytelling, visuals, and music that leaves a lasting impression.

### Competition Timeline for AI–Nature’s Symphony

**Submission Deadline: 22-01-2024**

**Results Announcement: 27-01-2024**

How to Submit: Email your video file and a brief description to [storrytellingai@gmail.com](mailto:storrytellingai@gmail.com) with the subject line: “Nature’s Symphony Submission–[Your Name].”

## JUDGING CRITERIA

Entries will be evaluated based on the following criteria:

- Creativity (40%)
- Technical Proficiency (30%)
- Output/Impact (20%)
- Adherence to Theme (10%)

## GENERAL INSTRUCTIONS

Use only the free versions of the tools.

Participants are not permitted to use any tool other than the recommended Gen AI tools.

A student has the option to participate in any one item within Category 1. Besides, they can also choose to participate in the item ‘AI–Nature’s Symphony’ from Category 2, concurrently.

All items in both categories are individual competitions, and there is no upper limit on the number of students that can participate from each school.

## ABOUT IHRD

Institute of Human Resources Development (IHRD) is an autonomous educational institution established by the Government of Kerala in 1987. The institute’s management, led by the Hon’ble Minister of Higher Education, Government of Kerala, and the Chief Secretary to the Government of Kerala, is vested in a Governing Body.

IHRD owns a total of 87 institutions, categorized as follows:

- Engineering Colleges: 9
- Model Polytechnic Colleges: 8
- Colleges of Applied Science: 46
- Technical Higher Secondary Schools: 15
- Regional Centers: 2
- Extension/Study Centers: 6
- Model Finishing Schools: 2

IHRD is committed to the scientific, technological, and economic development of the country through human resources development, adhering to the principle of “Think Globally and Act Locally.” It aims to provide consistently high-standard education and training through innovative and versatile programs aligned with the community’s current and emerging needs.



## ABOUT THARANG 2K24

IHRD Tharang' 2K24 is a National Level Techno-Cultural-Entrepreneurial event organized by the Institute of Human Resources Development (IHRD). This year, the event is hosted by the College of Applied Science, Kozhikode, spanning from 1st February 2024 to 4th February 2024.

The major theme for Tharang 2K24 is Artificial Intelligence and the motto is: "AI: Re-designing your lifestyle."

Website : <https://tharang2k24.ihrd.ac.in/>

## DISTRICT WISE CONTACTS

Students or schools may reach out to the Single Point of Contact (SPOC) designated for their respective districts. Feel free to contact the SPOC at the provided phone number or email address below for any assistance or inquiries.

Name	Contact No.	Email Id	District
Mr. Jayadas C K	7907856648	jkc@mec.ac.in	Ernakulam
Mr. Eldos Paul	9947137548	eldospaul1995@gmail.com	Wayanad
Mr. Priyakumar T N	9446539221	priyannandagiri@cectl.ac.in	Alappuzha
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Conducted by



# IHRD

Institute of Human Resources Development, Government of Kerala

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