national health authority
सत्यमेव जयते

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

INDIAN COUNCIL OF MEDICAL RESEARCH
NEW DELHI

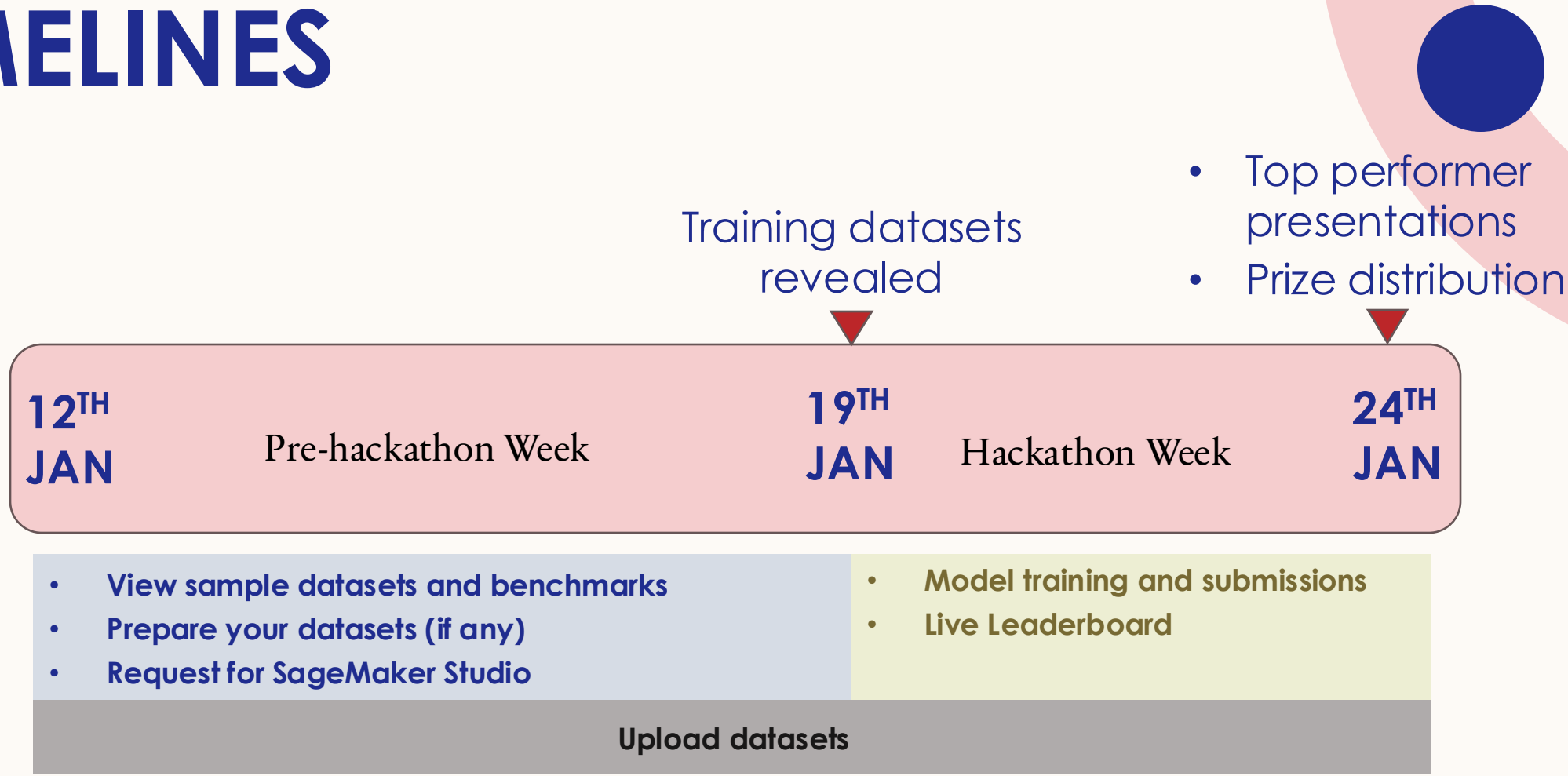
icmr | NIRDHDS
INDIAN COUNCIL OF MEDICAL RESEARCH
National Institute for research in Digital Health and Data Science

FEDERATED INTELLIGENCE HACKATHON

TRUSTWORTHY AI FOR HEALTH

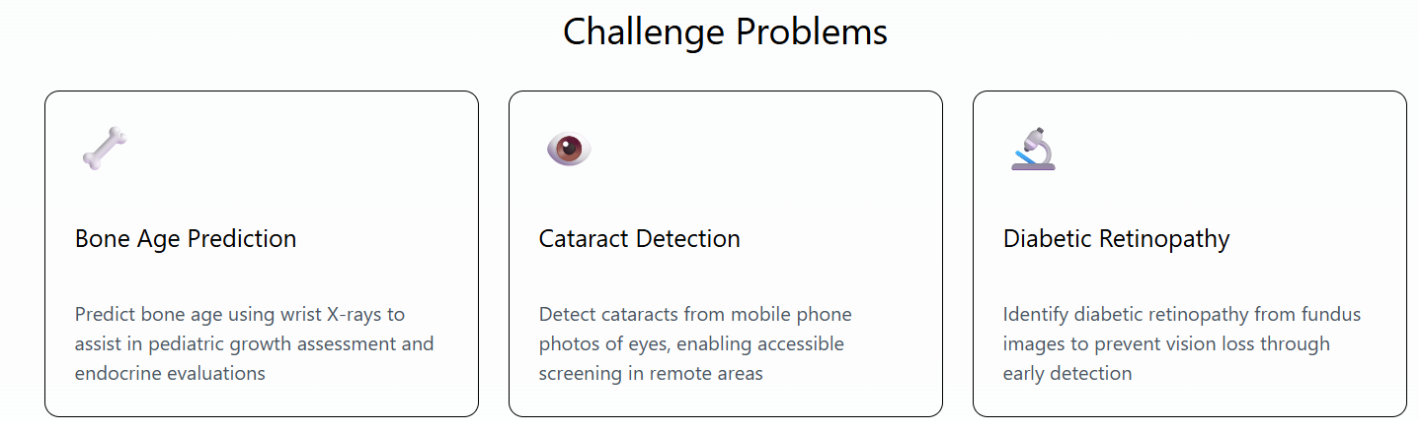
BUILDING THE FUTURE OF HEALTHCARE AI THROUGH OPEN BENCHMARKING, PRIVACY-PRESERVING VALIDATION, AND COLLABORATIVE INNOVATION

TIMELINES


Training datasets revealed
Top performer presentations
Prize distribution
12TH JAN
Pre-hackathon Week
19TH JAN
Hackathon Week
24TH JAN
View sample datasets and benchmarks
Prepare your datasets (if any)
Request for SageMaker Studio
Model training and submissions
Live Leaderboard
Upload datasets

KNOW YOUR DATASETS

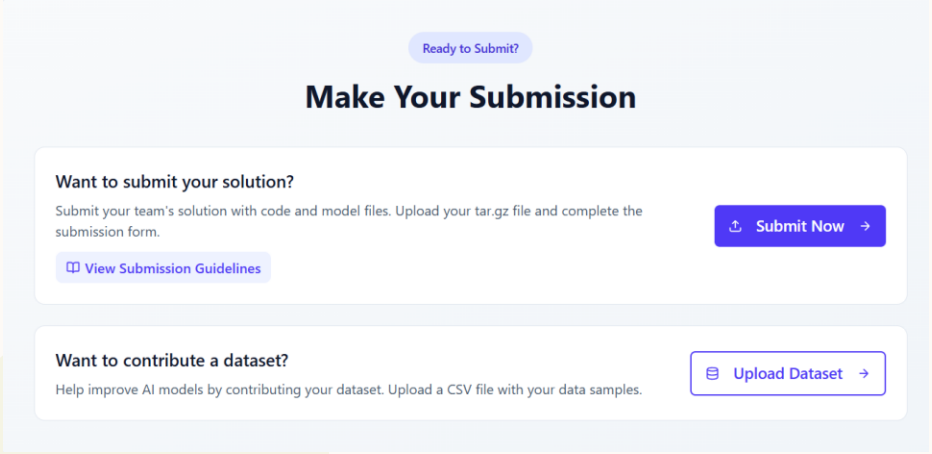
- Bone-Age Prediction
- Diabetic Retinopathy
- Cataract Detection



FOR DATASET PROVIDERS

If you are sharing a dataset:

- Follow the expected dataset format
- Ensure data quality and proper labeling
- Upload your dataset using the provided link



FOR MODEL DEVELOPERS

KNOW YOUR DATASETS

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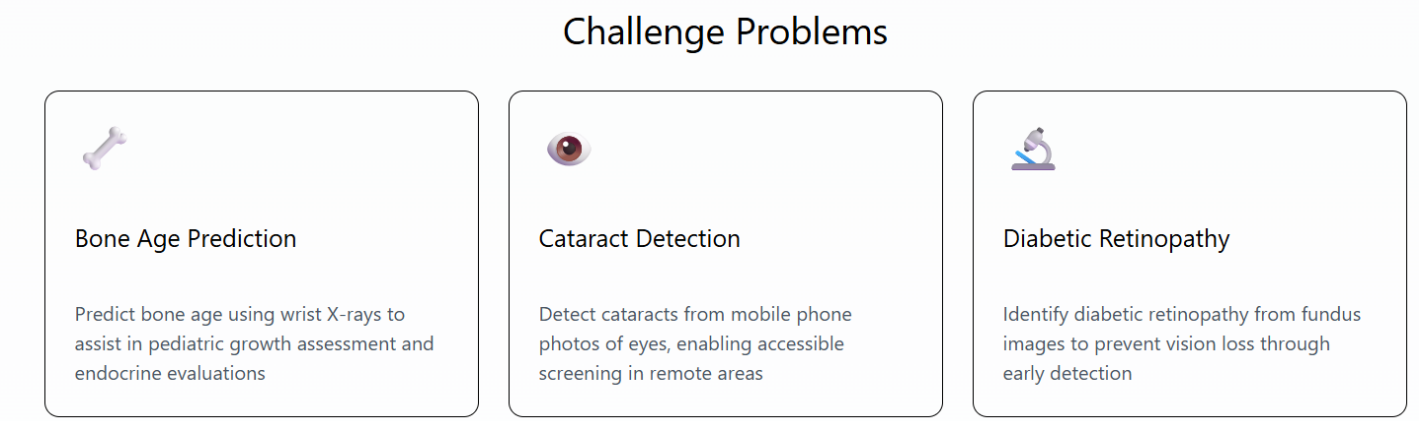
- Diabetic Retinopathy
- Cataract Detection



HOW TO GO ABOUT TRAINING

You can train your model using either of the following:

- Your own pretty local setup
- A cloud-based environment

HOW TO GET CLOUD ACCESS

Google Form

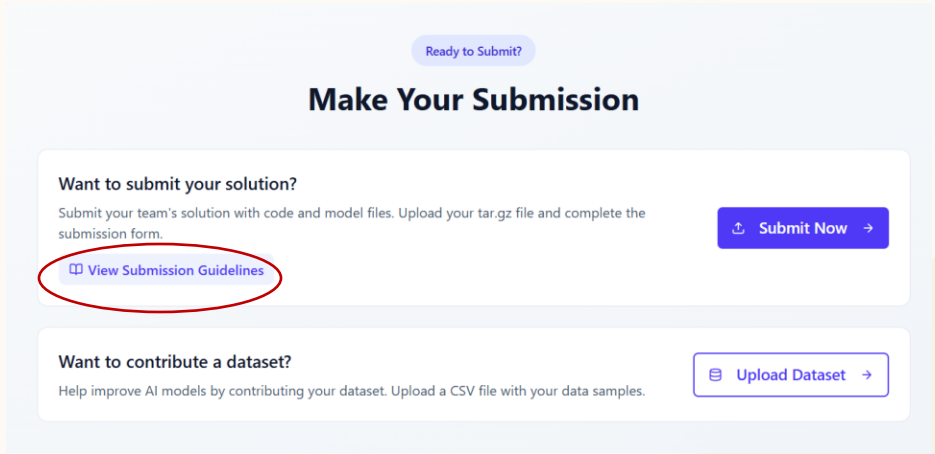
- Fill in the form to request cloud resources
- Access to **SageMaker Studio** will be provisioned after approval

HOW TO USE SAGEMAKER STUDIO

- Overview of the SageMaker Studio environment
- Setting up notebooks and dependencies
- Running your own models here.

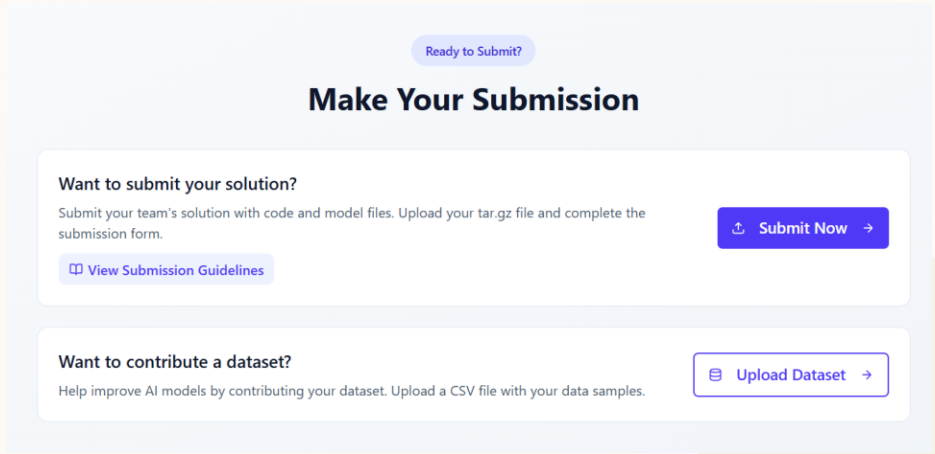
MODEL EXPECTATIONS

- Required model format for submission
- Naming conventions and directory structure
- Ensuring reproducibility and compatibility



UPLOADING YOUR MODEL

- Steps to upload your trained model
- Verifying a successful submission



EVALUATION AND SUBMISSION LIMITS

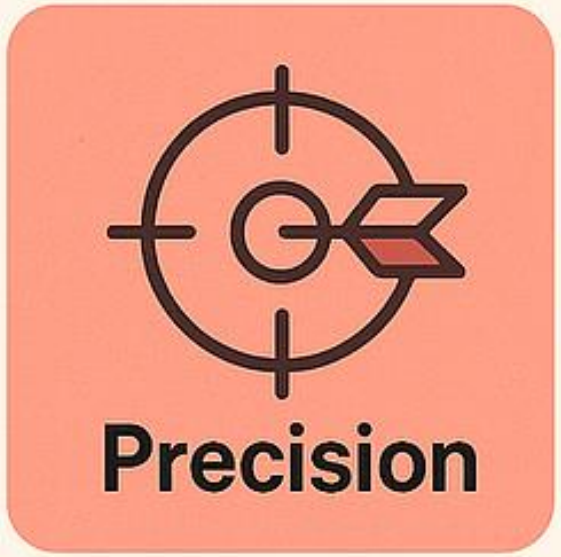
- Models will be tested after submission
- Results are typically available within 6 hours
- You can make up to 3 submissions in a 6-hour window
- Only the latest submission within that window will be evaluated

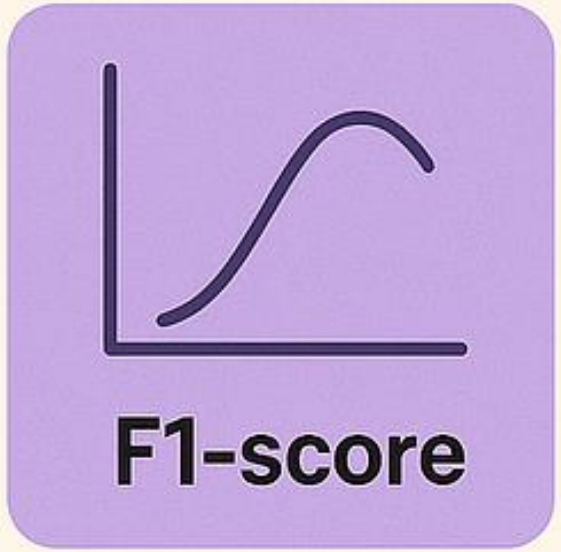
GOOD?

BAD?

EVALUATION RESULTS

- Evaluation results will be published on the website
- Metrics and rankings will be visible to participants

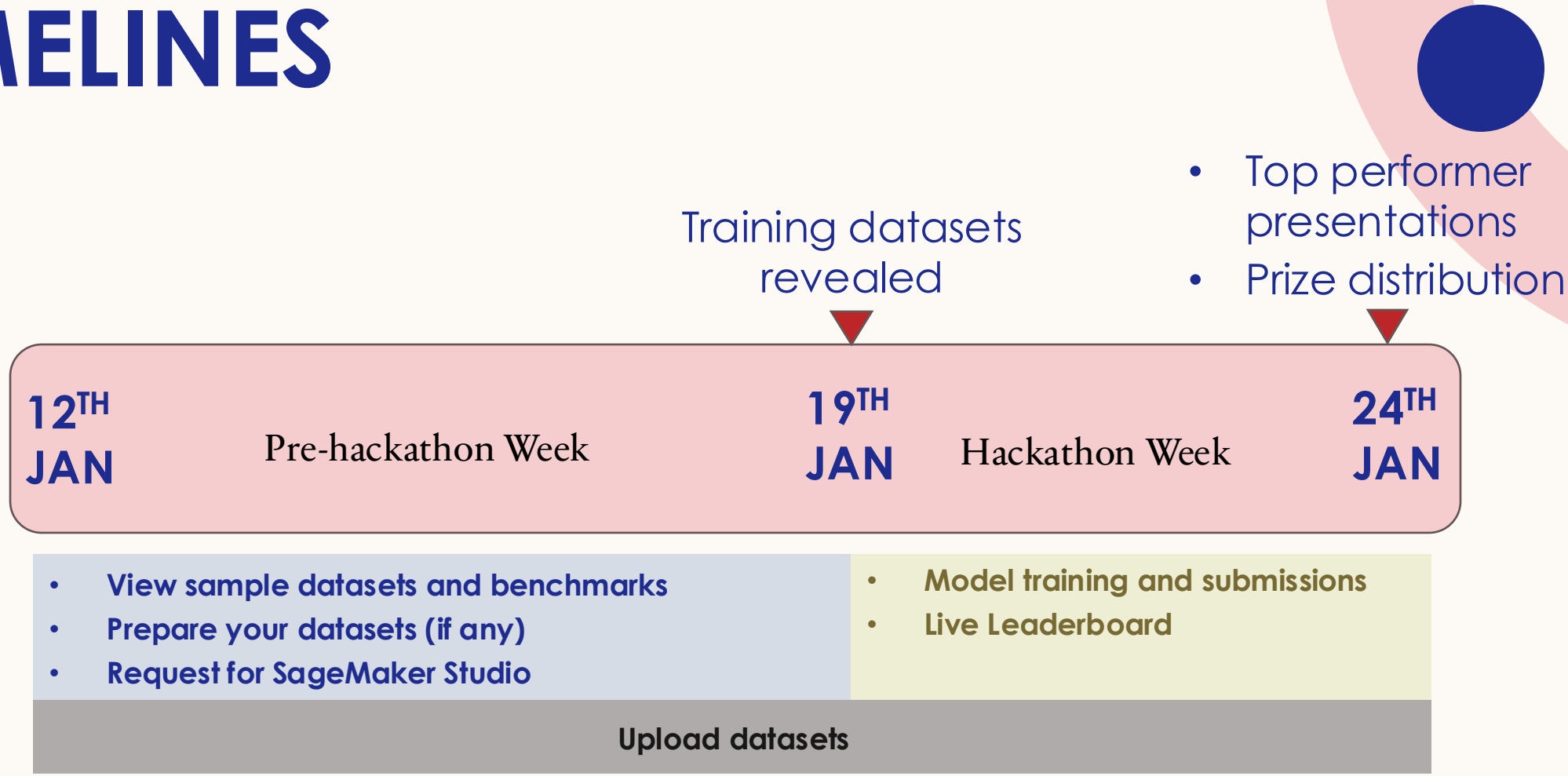




WINNER ANNOUNCEMENT

- Winners will be announced on 24th
- Further details regarding prizes and recognition will follow

TIMELINES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THANK YOU !

ANY QUESTIONS?

hackathon.support@nha.gov.in