MACHINE LEARNING CLUB
NIT SILCHAR

PRESENTS

NEURATHON

INNOVATE WITH INTELLIGENCE

NIT SILCHAR

NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR
राष्ट्रीय प्रौद्योगिकी संस्थान, सिलचर

2025 EDITION

NEUR

ATHON

ABOUT

NIT SILCHAR

ESTABLISHED IN 1967, THE NATIONAL INSTITUTE OF TECHNOLOGY (NIT) SILCHAR IS ONE OF INDIA'S LEADING TECHNICAL INSTITUTIONS, KNOWN FOR ITS ACADEMIC EXCELLENCE AND INNOVATIVE RESEARCH. LOCATED IN THE SCENIC BARAK VALLEY OF ASSAM, THIS INSTITUTE OF NATIONAL IMPORTANCE IS COMMITTED TO DEVELOPING SKILLED ENGINEERS AND TECHNOLOGISTS PREPARED TO ADDRESS GLOBAL CHALLENGES.

NIT SILCHAR IS DEDICATED TO SUSTAINABILITY, ETHICAL PRACTICES, AND SOCIAL RESPONSIBILITY, PREPARING STUDENTS TO BECOME COMPASSIONATE AND INNOVATIVE LEADERS. AS A BEACON OF EXCELLENCE, THE INSTITUTION SHAPES THE THINKERS AND CHANGEMAKERS OF TOMORROW IN OUR INCREASINGLY INTERCONNECTED WORLD.

ML CLUB
NITS

THE MACHINE LEARNING CLUB OF NIT SILCHAR IS A DYNAMIC COMMUNITY THAT IS IN PURSUIT OF INNOVATION AND EXCELLENCE IN THE FIELD OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING. THE CLUB IS A PLATFORM FOR COLLABORATION AND CREATIVITY AND HAS EMPOWERED STUDENTS TO EXPLORE LEADING-EDGE TECHNOLOGIES, WORK ON REAL-WORLD CHALLENGES, AND CONVERT IDEAS INTO IMPACTFUL PROJECTS. WE BRING THEORY INTO PRACTICE THROUGH ACTIVITIES SUCH AS SPEAKER SESSIONS, WORKSHOPS, PAPER DISCUSSIONS, AND WEEKLY CLASSES IN ML. THESE ARE MEANT TO PREPARE MEMBERS WITH THE NECESSARY SKILLS AND CONFIDENCE TO LEAD INNOVATION AND ACTS OF IMAGINATION IN THE RAPIDLY CHANGING AI LANDSCAPE.

THE CLUB RECOGNIZES ITS MEMBER'S TRIUMPHS AND ACHIEVEMENTS. SEVERAL MEMBERS HAVE HAD THEIR RESEARCH PAPERS ACCEPTED AT PRESTIGIOUS INTERNATIONAL CONFERENCES AND HAVE THUS PRESENTED THEIR WORK ON GLOBAL PLATFORMS. AS WE CONTINUE TO GROW AS A COMMUNITY, THE MACHINE LEARNING CLUB OF NIT SILCHAR INVITES YOU TO JOIN US ON THIS JOURNEY OF GROWTH AND TECHNOLOGY

NEURATHON

ABOUT

NEURATHON IS A DISTINGUISHED MACHINE LEARNING HACKATHON DESIGNED FOR THE DEVELOPMENT OF CREATIVE AI SOLUTIONS WITHIN AN INTENSIVE, COLLABORATIVE ENVIRONMENT. PARTICIPANTS FORM TEAMS TO TACKLE CHALLENGES CURATED BY THE ORGANIZERS, FOCUSING ON AREAS SUCH AS SOFTWARE ENGINEERING, DATA MODELING, AND ALGORITHM OPTIMIZATION.

THIS EVENT SERVES AS A DYNAMIC PLATFORM FOR SHOWCASING TECHNICAL EXPERTISE, EXCHANGING KNOWLEDGE WITH INDUSTRY PEERS, AND DESIGNING IMPACTFUL AI-DRIVEN PRODUCTS. NEURATHON OFFERS A UNIQUE OPPORTUNITY FOR INDIVIDUALS PASSIONATE ABOUT MACHINE LEARNING TO GAIN PRACTICAL, HANDS-ON EXPERIENCE WHILE CONTRIBUTING TO THE ADVANCEMENT OF ARTIFICIAL INTELLIGENCE.

EVENT DETAILS

1 ROUND
PRELIMINARY CONTEST
ONLINE

PARTICIPANTS WILL COMPETE IN TEAMS OF UP TO **4 MEMBERS** IN AN **ONLINE PRELIMINARY ROUND** TO QUALIFY FOR THE OFFLINE ROUND.

REQUIREMENTS

1 SUBMISSION

SUBMIT THE FINAL RESULT CSV FOR EVALUATION

- **MODEL REPOSITORIES (GITHUB OR EQUIVALENT)**
- **DEPLOYED LINK**
- **UML DIAGRAMS IN DOC FORMAT**

2 EVALUATION CRITERIA

- PROBLEM STATEMENTS WILL BE FROM THE DOMAINS OF NLP, CV, AND GENERATIVE AI.
- JUDGING WILL FOCUS ON THE ACCURACY, CREATIVITY, AND IMPLEMENTATION OF THE SUBMITTED SOLUTIONS.

3 REGISTRATION DETAILS

- OPENS: 27TH JAN, 2025
- CLOSES: 5TH FEB, 2025

THE PRELIMINARY ROUND WILL SERVE AS A PRELIMINARY STAGE, AND ONLY THE TOP-PERFORMING TEAMS WILL ADVANCE TO ROUND 2, HELD ON-CAMPUS AT NIT SILCHAR.

2 ROUND MODEL MAKING
ON CAMPUS

VENUE NIT SILCHAR CAMPUS
TIMELINE 3 DAYS

DAY 1•2 HACKATHON DEVELOPMENT

1 PROBLEM STATEMENT RELEASE

- PROBLEM STATEMENTS FOR THE OFFLINE ROUND WILL BE ANNOUNCED UPON ARRIVAL ON DAY 1.
- TEAMS WILL HAVE THE FREEDOM TO CHOOSE THEIR PREFERRED PROBLEM TO WORK ON.

2 GIT REPOSITORY

- TEAMS MUST CREATE A PRIVATE REPOSITORY SPECIFICALLY FOR ROUND 2.
- ADD THE OFFICIAL ORGANIZING TEAM AS CONTRIBUTORS.
- REGULAR COMMITS WILL BE MONITORED THROUGHOUT THE DEVELOPMENT PROCESS.

3 SUBMISSION DEADLINE

ALL CODING AND DEVELOPMENT TASKS MUST BE COMPLETED BY DAY 2, EOD.

4 PRESENTATION PREPARATION

- TEAMS MUST CREATE A DETAILED PPT SHOWCASING THEIR METHODOLOGY, MODEL, AND RESULTS.
- A SHORT WORKING DEMO VIDEO CAN BE SUBMITTED FOR BONUS POINTS.

DAY3 PRESENTATION, SPEAKER SESSION & CONCLUSION

1 PRESENTATION

- TEAMS WILL PRESENT THEIR MODELS AND PPTS BEFORE A PANEL OF ESTEEMED JUDGES.
- EVALUATION WILL FOCUS ON
  - **CREATIVITY**
  - **TECHNICAL EXECUTION**
  - **OVERALL IMPACT**

2 SPEAKER SESSION

ATTENDEES WILL ENJOY AN INSPIRING SESSION LED BY INDUSTRY LEADERS AND EXPERTS.

3 CONCLUSION & PRIZE DISTRIBUTION

PRIZES

INR 10K+ & TROPHY

INR 7.5K+ & TROPHY

INR 5K+ & TROPHY

PARTICIPATION CIRTIFICATES FOR ALL

KEY NOTES

- *DETAILED SCHEDULES FOR PROBLEM STATEMENT RELEASES, PRESENTATIONS, AND SPEAKER SESSIONS WILL BE SHARED CLOSER TO THE EVENT.*
- *THE HACKATHON PROMISES TO BE A CELEBRATION OF INNOVATION, COLLABORATION, AND LEARNING!*

RULES & REGULATIONS

1 All participants must register for the ML Hackathon in advance.

2 Each team must have a minimum of 1 and a maximum of 4 members.

3 The submitted project must be original work and should not have been submitted to any other competition or event before.

4 All participants must attend the opening and closing ceremonies of the hackathon.

5 Teams are responsible for bringing their own laptops, power banks, and other necessary equipment.

6 The organizers reserve the right to disqualify any team that is found to be in violation of any of the rules and regulations.

7 All participants must comply with the rules and regulations of the host institution.

8 Any participant found to be involved in misconduct or cheating will be penalized

9 The organizers will not be responsible for any loss or damage to the personal belongings of the participants during the hackathon.

10 Participants must agree to allow the organizers to use the results of the hackathon for promotional and marketing purposes

11 The teams must submit their final presentation and code on the provided platform before the deadline.

12 The decision of the judges will be final and binding.

REGISTRATION

REGISTER NOW FOR NEURATHON!

Head to our website at **mlclubnits.com** or simply scan the QR code to secure your spot.

- **REGISTRATION PERIOD:** 27/01/2025 TO 05/02/2025
- **TEAM SIZE:** UPTO 4 MEMBERS

NOTE: THE TEAM LEADER MUST COMPLETE THE REGISTRATION ON BEHALF OF THE ENTIRE TEAM.

REGISTER

HERE

DON'T MISS OUT—REGISTER TODAY AND BE PART OF THE INNOVATION!

PRIZES

NEURATHON
2025 PRIZE

At Neurathon, innovation meets recognition. To honor outstanding achievements, the total prize pool is distributed across three prestigious categories, each designed to inspire creativity, technical excellence, and impactful solutions. Below are the prize categories:

1 GRAND NEURATHON CHAMPION

The Grand Neurathon Champion award celebrates the most comprehensive and innovative project. It recognizes exceptional creativity, technical precision, and real-world applicability. Winning this award signifies mastery in developing groundbreaking AI solutions that address significant challenges.

AWARD CRITERIA:

- ORIGINALITY AND INNOVATION
- TECHNICAL QUALITY AND CLARITY
- OVERALL RELEVANCE AND IMPACT

2 BEST DEPLOYMENT SOLUTION

This award highlights technical excellence in AI model deployment. It emphasizes robustness, efficiency, and scalability, ensuring solutions can seamlessly transition from development to practical implementation.

AWARD CRITERIA:

- ROBUSTNESS OF THE DEPLOYED MODEL
- EFFICIENCY AND RESOURCE OPTIMIZATION

3 SUSTAINABILITY GENIUS

The Sustainability Genius award honors impactful solutions addressing critical societal or environmental challenges, such as climate change, resource management, or social welfare. This category showcases the power of AI in creating a better, more sustainable future.

AWARD CRITERIA:

- RELEVANCE AND SIGNIFICANCE OF THE SUSTAINABILITY CHALLENGE ADDRESSED
- IMPACT AND SCALABILITY OF THE PROPOSED SOLUTION
- LONG-TERM FEASIBILITY AND POTENTIAL BENEFITS

ORGANIZERS

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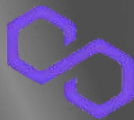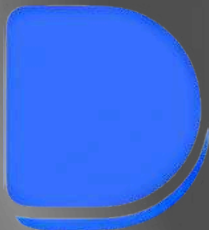## VARUN DAMODARAN
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