

GoPynq

PROBLEM STATEMENT

- Develop AI, Machine Learning, Internet of Things targeting application
- The application development should target Ultra96 or PYNQ-Z2 kit using open-source PYNQ framework
- Refer www.pynq.io for board details and other design examples and possibilities. This Link contains all info regarding the possible application and how to work on them

STRUCTURE

The competition will take place in 2 stages-

Stage 1 - Submission of Abstract - Detailed Description of the application including proposed technical approach to develop it. Description must include potential kit selection (either Ultra96 or Pynq-Z2 Kit) with a short justification. Top abstracts will qualify to Stage 2 and receive Ultra96/Pynq-Z2 Kits for actual implementation.

Stage 2 - Demo Video Submission of 2 minute of final application, source files submissions along with a final report. Winners will be selected based on actual implementation and application complexity.

Competition Timeline (Tentative)

Last date for registration - 5th November

Last date for Abstract submission - 5th November (Hence it is advised to start working as soon as you register)

Results and Shortlisting of teams for Stage 2 - 15th November

Last date for submission of Demo Video Report - 20th December

Final Results - 3rd January

Registrations

The Participants have to register on the official Techfest Website and fill all the necessary details: www.techfest.org > Competitions > GoPynq > Register. ***Then they must create/join a team to complete the registration process.***

Report and Abstract Submission

Since the PYNQ framework is open-source, the participants submission will be treated as open source. Teams will be required to submit one report to gopynq@techfest.org for clearing Stage 1, as mentioned above.

Submission Format

The project report and abstract should be emailed to gopynq@techfest.org with the subject GoPynq: Team Id (For example: GoPynq: GP102223). Teams must follow the following details for the submission:

1. The abstract must be submitted in pdf format only
2. Font: Arial
3. Size: 11
4. Spacing between two lines: 6 pts
5. Spacing between two paragraphs: 10 pts

Queries and Resources

Queries can be posted to - <https://discuss.pynq.io/c/support>

Resources - www.pynq.io

GENERAL RULES

1. Every team has to register online on official Techfest website for the competition.
2. A Team ID will be allocated to the team on registration which shall be used for future references.
3. **The decision of the organizers or judges shall be treated as final and binding on all.**
4. No responsibility will be held by Techfest, IIT Bombay for any late, lost or misdirected entries.
5. **The idea presented by the teams should be original (not protected by means of patent/copyright/technical publication by anyone).**
6. Note that at any point of time the latest information will be that which is on the website.
However, registered participants will be informed through mail about any changes.

TEAM SPECIFICATIONS and ELIGIBILITY

- All students with a valid identity card of their respective educational institutions are eligible to participate in the competition
- One team can have a maximum of 4 members.
- Students from different institutes can be a part of the same team.

CERTIFICATE POLICY and PRIZES

- The Prize money will be awarded to Top 3 Winners via NEFT and will be processed within 30 working days of the result declaration.
- E - Certificate of participation will be given to the teams on the basis of work done on abstract

The Winner will have to mail the following information (immediately after announcement of results) to vibhav@techfest.org Subject: GoPynq, Team id- your position (example- GoPynq, GP166123 – 1st position)

Body of mail-

1. Account Holder's Name
2. Account Number
3. Bank name and Branch name.
4. IFSC Code

