



RAMAIAH
Institute of Technology



Ramaiah Institute of Technology
IEEE Student Branch

IEEE RIT

Presents

WIE TECHNODIUM

2020

6th-8th March 2020

Register-<https://site.ieee.org/sb-ritb>

Coordinators:

Muskaan	9425451411
Aman	7985091041
Prateek	6203292991
Arya	9116942610

1.IDEATHON

Theme for the event - Societal needs, Women Safety.

Date: 8th March

Time: 9:00 AM - 2:00 PM

Venue: ESB Seminar hall 2

Team: 4

Fee: Rs.500/- (NON-IEEE)

Rs.300/- (IEEE)

Prize Money: 7000 (1st)

3000(2nd)

Description:

- This event consists of 2 rounds.

ROUND1: The participants should brief about their problem statement and present their idea based on the theme provided in front of the judges.

ROUND2: The selected teams should present a prototype based on their idea. Participants will be getting extra points if the prototype is working.

Rules and Regulations:

- A team can have maximum of 4 members.
- Registration form must be completely filled without any false information.
- Participants can make a ppt (not compulsory), when they're presenting the idea.
- Copying of idea is strictly prohibited.
- Decisions taken by IEEE RITB remains final

Contact:

Shrestha 8696157817

Aditi 8971812721

2.JAM (JUST A MINUTE)

Date: 8th March

Time: 11:00 am - 2:00 pm

Venue: LHC SH-1

Team: 1

Fee: Rs.100/- (NON-IEEE)

Rs. 50/- (IEEE)

Prize Money: Rs.2000/- (1st)
Rs.1000 /-(2nd)

Description:

JAM is an event which tests the fluency of the language combined with the quick wit of the mind. The marking is based on one metric, the duration to which each speaker can speak without stuttering, stammering, committing grammatical errors or repeating content of their own speech or that of the previous speakers. It is the role of the other participants to actively and call them out in case of breach of any of the rules. It is up to the JAM master's discretion to consider or drop the objection. The objection is raised by saying JAM.

ROUND 1, 2 & 3:

Each of these rounds shall be 1 minute long. The speaker that is speaking at the end of the minute is awarded ten points, while otherwise, a speaker gets one point per second that they speak. If an objection is raised, and accepted, the speaker that raised the objection, then proceeds to speak.

ROUND 4 & 5:

If the number of participants are more than 5, top 5 are selected on the basis of points. In case of a tie, it will be resolved on the basis of which speaker spoke continuously for the longest amount of time. These rounds will be 2 minutes long. Speakers are awarded 10 points at the end of a minute. Each speaker is awarded two points for every second that they speak.

Rules and Regulations:

- One point per second spoken for the preliminary rounds.
- Two points per second spoken, for the final rounds.
- Half a point is awarded to each successfully raised objection
- Ten points awarded to participant speaking till the end of 60 seconds.
- In case of any discrepancies, the judges' verdict shall be final.

Contact:

Rahul: +91 94838 80106

Ishan Singh: +91 9986309027

3.E -Quiz

Date: 8th March

Time: 11:00 am-1:00 pm

Venue: LHC seminar hall 2

Team: 2

Fee: Rs.100/- (NON-IEEE)
Free (IEEE)

Prize Money: Rs.3000/- (1st)
Rs.1000/- (2nd)

Description:

Do you think you can fight it out in a battle of wits? And claim the ultimate prize? Come along to work your grey cells and compete in the Tech Quiz. The quiz will consist of two rounds:

1)Preliminary round

2) Stage finals

Rules and Regulations:

- Quiz will be held in 2 segments, the prelims and finals.
- Prelims will consist of 20 questions and there is no negative marking.
- Top 6 teams to qualify for the finals.

- The finals is round based and rules of each round will be given on-spot.
- Team of 3 members or less are accepted.

Judging Criteria:

- Highest scored teams in the prelims are qualified to the finals.
- The finals will be scored according to each round and the final total will decide the winner of the quiz.
- If there are any discrepancies in the questions or points awarded Quiz Masters decision is considered.
- The decision taken by IEEE RITB will be final.

Contact:

Gautam - +91 97414 27165

Aman - +91 79850 91041

4.Code Rush (Only for girls)

Date: 8th March

Time: 10:30 am -1:00pm

Venue: CSE Lab 1,2

Team: 2

Fee: Free

Prize Money: Rs.3000/- (1st)
Rs.1000/- (2nd)

Description:

Use the power of math, logic and code to win this race! Solve, code and extract solutions to ace the competition. This competition is exclusively for first- and second-year students.

Rules and Regulations:

- All teams will be given a set of problems to solve, the exact format will be announced in the event.
- Team of 2 can participate.
- Only first and second year students can participate.
- All the participants are expected to be seated in the lab.
- Contestants cannot bring any notes or textbooks to the contest room. Blank sheets of paper and pens will be provided.

- Each team will be allowed to use only a single computer and must write and test their programs on that machine.
- The event will have 2 rounds focusing on logical thinking, problem solving ability and coding skills.
- The participants are advised to login 5-10 mins before the start of the event.
- Use of mobiles, smart watches, gadgets and any other electronic gadgets will lead to immediate disqualification.
- If volunteers find any form of malpractice in the lab, the team will be disqualified.
- Languages allowed - C, C++, Python, Java.

Judging Criteria:

- The event consists of 2 rounds.
- Top 20 teams having the highest total scores from round 1, shall progress to round 2.
- Team with the most points wins.
- The decision taken by IEEE RITB will be final.

Contact:

Anu Vikram :9686102587
Manvendra Bansal :6260238356

5.Night Coding

Date: 7th March

Time: 9pm-6am

Team: 1

Fee: Rs.50/- (NON-IEEE)
Free (IEEE)

Prize Money: Rs.3000/-(1st)

Description:

Online coding event. A competitive coding challenge hosted on hackerrank/any other platform.

Rules and Regulations:

- It will be hosted on hacker rank
- Each challenge has a predetermined score
- Each submission for each problem will be scored based on the number of test cases it passes
- A participant's total score is the sum of the scores earned for each problem attempted. If you submitted more than one solution for a problem, only the highest score achieved will be used in this calculation.

- Participants are ranked by score, with the cumulative time taken (between the competition start time and the time of your correct submission) used to break ties.

Judging Criteria:

- Highest scorer on the leaderboard wins.
- The decision of IEEE RITB is final.

Contact:

Raghav Maheshwari: 8384852943

6. Bridge Master

Date: 7th, 8th March

Time: 1:00 pm - 4:00 pm

Venue: Near LHC Seminar Hall

Team: 4

Fee: Rs.150/-

Prize Money: Rs.3000/- (1st)
Rs.1000/- (2nd)

Description:

Build a miniature bridge model using the provided materials. Give it high strength with aesthetics to win the prize.

Rules and Regulations:

-
- Each team should have at most 4 number of participants.
- Use of mobile phone during the event is prohibited.
- Participants are not allowed to be in contact with any other teams or any non-participants during the event.
- Participants have to build the bridge using only the materials that has been provided to them. No extra material will be allowed.
- No beams or columns of the bridge should have more than 3 sticks pasted together at any cross section that is more than three overlapping are not allowed. However, up to 3 overlaps are allowed at joints only.
- The bridge must be able to stand on its own.
- A continuous roadway is mandatory, as the presence of a continuous roadway may add to the aesthetics point of the bridge.

- The time limit is 3 hours (2pm to 5pm).
- Judging shall be done on the next day (9th of March) and two winners shall be selected.
- Violation of any of the above given rules on any ground by any team will result in the team being disqualified.
- The decision of IEEE RITB is final.

Materials provided:

- 250 popsicle sticks
- One bottle fevicol glue, which can be refilled by asking the volunteers
- 2 pieces of white paper

Materials recommended to be brought by the participants:

- Stationeries like pencil, scale, eraser, etc.
- Knife or scissors to cut the Popsicle sticks if required.
- Clips or rubber band to clip together glued sticks until they set.

Dimensions:

- Clear span = 400mm
- Total span = 500mm (50mm on each side as abutment length)
- Total width = 90mm (outer to outer)
- Total Height = 70mm throughout the clear span (outer to outer)

Testing the bridge:

- Testing shall be done on the 2nd day of the event from 11:00am. At least one participant from each team should be present.
- First, the weight and dimensions of the bridge will be measured and its dimensional accuracy will be evaluated.
- Then, aesthetics of the bridge will be evaluated.
- The bridge will be placed between two platforms spaced at 400mm with abutments on the table. Then, the load will be applied through a rope connected at the centre of the bridge. The bridge will be loaded till failure and the failure load will be noted.

Judging criteria:

- Dimensional accuracy.
- Performance: Point load carried per unit original weight of the structure.
- Aesthetics: how well the joints are connected, how smooth the bridge deck is and how well the bridge looks overall.

Contact:

Shilpa 9483928412
Shrey 7410948753

7.IOT CHALLENGE

Date: 7th March

Time: 1:00 pm – 4:00 pm

Venue: LHC 507,508

Team: 1-3

Prize Money: 5000
3000

Description:

ROUND 1:

This will be a filtering round where teams will be given a written questionnaire to answered by teams for a duration of 30 minutes. The questions will be based on logical reasoning and basics of Arduino/ Node MCUs or basic electronics. Each solution may carry different amount of marks based on its accuracy or efficiency. There will be no negative marking. Top 20 teams will be selected for round 2.

ROUND 2:

The second round will be for a time period of 1 hour 30 minutes where various questions will be posed. Some of the questions can be simple and some complex, and the order of answering or completing the given questions is up to the team. Teams need to solve as many questions as they can. The team that solves the most number of questions will be considered the winner. In case of ties, the team completing the task faster will be given preference.

Rules and Regulations:

- Maximum of 3 and minimum of 1 member(s) allowed per team .
- Teams must bring their own laptop.
- Use of internet is prohibited.
- Data sheets shall be provided for reference in second round.
- Components shall be provided.
- Event coordinators reserve the right to settle any disputes and their decisions will be final.

Contact:

Shashank N :89706 87407

Shrinath Darur :78994 45639

8.OPEN MIC

Date: 8th March

Time: 10:00 am -1:00 pm

Venue: Above C Square

Team: 1

Fee: Rs.100/- (NON-IEEE)

Free (IEEE)

Prize Money: Rs.3000/- (1st)

Rs.1000/- (2nd)

Description:

Open mic involves:

Story telling- Telling perspective from one's mind.

Slam poetry- is a form of poetry that involves elements of poetry, performance and competition involving live audience.

Stand up- A comic style, doesn't use any props or sketch, involves performing in front of a live audience.

The event will be conducted in two rounds- prelims and finals. General themes for prelims will be released 24 hours prior and topics for finals will be announced upon qualification. And an approximate of 3 minutes is allocated to each participant in each round.

Rules and regulations:

- Individual event
- Judging to be based on content, audience engagement, skill based on format
- Any matter found to be particularly demeaning/offensive would lead to disqualification
- In case of any discrepancies, the judges' decision shall be final.

Contact:

Divya Kandpal :7975539936

Ananya M :8618369196

Workshops

1. **YOU TOO BRUTUS (BLOCKCHAIN):**

Date: 6th March

Time: 10:00 am-5:00 pm

Venue: LHC Seminar Hall 1

Entry fee: Free (IEEE)

Rs.300/- (Non-IEEE)

Attendees are requested to get their laptops.

Contact:

Divya R 9482955946

Anu Vikram 9686102587

2. **PERSONAL BRANDING AND BUSINESS PRESENCE:**

Date: 6th March

Time: 10:00 am-5:00 pm

Venue: LHC Seminar Hall 2

Entry fee: Rs.150/- (NON-IEEE)

Free (IEEE)

Contact:

Srijoni 8910058586

Asmita 6362809834

3. **FACULTY DEVELOPMENT PROGRAM:**

(Prerana - Journey from teacher to Guru)

Date: 6th March

Time: 10:00 am to 5:00 pm

Entry fee: Rs.500/-

Contact:

Reshma 9482481426

Yash 6377730023