



UNIVERSITY OF ENGINEERING & MANAGEMENT, KOLKATA



IN ASSOCIATION WITH

INSTITUTE OF ENGINEERING & MANAGEMENT

PRESENTS

# AnDCon 2020

Annual Antenna Design Contest for Undergraduate Students

**FEBRUARY 20, 2020**



ATTRACTIVE  
PRIZES UP FOR  
GRAB

## ORGANIZED BY:

Department of ECE,  
UEM Kolkata

Submission Deadline:

**January 31, 2020**

## Points of Contact:

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## Submission Link:

[uemk.andcon@gmail.com](mailto:uemk.andcon@gmail.com)

Website: [www.uem.edu.in](http://www.uem.edu.in)

For further details on  
problem statements, kindly  
refer to the website.

## PROBLEM STATEMENTS:

CONTESTANTS NEED TO EXECUTE ANY ONE OF THE FOLLOWING IN HFSS:

- DESIGN A MICROSTRIP PATCH ANTENNA SUCH THAT UNDER ANY WEATHER CONDITION OR UNDER ANY ELECTROMAGNETIC INTERFERENCE (SOLAR STORMS OR MAGNETIC STORMS) IT SHOULD BE ABLE TO RECEIVE THE GPS SIGNAL WITH MINIMUM ERROR.
- DESIGN AN APERTURE COUPLED TRIANGULAR MICROSTRIP PATCH ANTENNA WHICH WILL BE SUITABLE FOR WI-FI APPLICATIONS.
- DESIGN A CIRCULARLY POLARIZED MICROSTRIP PATCH ANTENNA FOR GPR APPLICATIONS AT 1 GHZ.

## ELIGIBILITY CRITERIA:

- TEAM MUST CONSIST OF MAXIMUM 2 MEMBERS BOTH BEING UNDERGRADUATE STUDENTS.

## SUBMISSION GUIDELINES:

- ALL DESIGN MATERIALS MUST BE SENT TO [uemk.andcon@gmail.com](mailto:uemk.andcon@gmail.com) WITH THE SUBJECT LINE "UEM ANDCON 2019 ANTENNA DESIGN COMPETITION".
- A DETAILED DESCRIPTION OF THE DESIGN PROPOSAL (LIMITED TO 2 PAGES) NEEDS TO BE SUBMITTED.
- TEAMS NEED TO SUBMIT .hfss FILES ALONG WITH ASSOCIATED FOLDERS IN A SINGLE ZIP FILE.

## REVIEW PROCESS:

- THE PANEL OF REVIEWERS WILL ASSESS EACH DESIGN BASED ON LIKELIHOOD OF ACHIEVING THE DESIGN GOAL AND SPECIFICATIONS, CREATIVITY, AND QUALITY OF WRITTEN MATERIALS.