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ME CHIES

MECHANICAL DEPARTMENT







Samero Engineering works





DAY

ROBO SOCCER



AnsysWORKSHOP

TIME : 10AM-5PM

LOCATION : CREMEUX

TIME :10AM-5PM

LOCATION :LO1-LO4

TIME : 2

:2PM-4PM

LOCATION : CAD LAB







DAY 2



:10AM-5PM TIME

LOCATION : CAR

PARKING

ROBO RACE

TIME :10AM-5PM

LOCATION : CAR

PARKING

S SOLIDWORKS

TIME :2PM-5PM LOCATION : CAD LAB







DAY 3

MECHANISM BUILDING

TIME :10AM-1PM LOCATION :TECHSPACE

AUTODESK Fusion
WORKSHOP

TIME : 2PM-4PM LOCATION : CAD LAB

reel
competition

TIME : 10AM-1PM LOCATION : LO1











PRIZE POOL-10.000

COORDINATORS

ANANT DESAI +91 8412019332

REMEDIUS FERNANDES +91 7218312972











MESFESI

RULES

ROBO SOCCER
INTER COLLEGE EVENT

ENTRY FEE: 300/-

RE-ENTRY FEE: 200/-

RULES

- ALL THE MATCHES WILL BE I VS I KNOCKOUT MATCHES.
- THE BOT SHOULD FIT INSIDE A BOX OF 30 CM*30 CM*30 CM(L*B*H).
- MAXIMUM WEIGHT OF THE SOCCER BOT SHOULD NOT EXCEED 5 KG. (O TOLERANCE)
- THE BOT CAN HAVE WIRED/WIRELESS CONNECTIONS FOR CONTROL. (THE LENGTH OF THE WIRE SHOULD BE MORE THAN 3 METERS.)
- THE BOT SHOULD BE SELF-POWERED WITH SUPPLY NOT EXCEEDING 12V (ON BOARD POWER SUPPLY).
- PARTICIPANTS CANNOT DRAW POWER FROM AN EXTERNAL SOURCE.
- ONLY ONE PARTICIPANT SHOULD CONTROL THE BOT FOR THE WHOLE TOURNAMENT ONCE REGISTERED, THE CONTROLLER CANNOT BE CHANGED MIDWAY DURING THE TOURNAMENT.
- PARTICIPANTS WILL NOT BE ALLOWED TO CHANGE THE BATTERIES OF THE BOT ONCE KEPT ON THE FIELD.
- THE MACHINE CAN BE POWERED ELECTRICALLY ONLY. USE OF AN IC ENGINE IN ANY FORM IS NOT ALLOWED.
- ALL EFFORTS MUST BE MADE TO PROTECT BATTERY TERMINALS FROM DIRECT SHORT AND CAUSING A BATTERY FIRE, FAILURE TO DO SO WILL CAUSE DIRECT DISQUALIFICATION.











MESFEST

RULES

ROBO SOCCER

- A BOT CAN PUSH OR HIT THE BALL. IT CANNOT WITHHOLD OR GRAB THE BALL. WEDGES, LIFTERS, ANY KIND OF ACTIVE SHOOTING MECHANISM WILL NOT BE ALLOWED.
- HUMAN INTERFERENCE (E.G. TOUCHING THE BOT) DURING THE GAME IS NOT ALLOWED
- DECISION OF THE JUDGES AND EVENT COORDINATORS SHALL BE TREATED AS FINAL AND BINDING ON ALL AND CANNOT BE CONTESTED. THE EVENT COORDINATOR IS THE MATCH REFEREE. HE TAKES ALL THE DECISIONS AND PARTICIPANTS HAVE TO ABIDE BY IT.
- The final decision lies in the hands of the Organizers. Organizers reserves the right to change the rounds and the rules on the day of the event. If a participant misbehaves or does not obey the rules and regulations of the event, Organizers reserve the right to disqualify the participant.
- Bots are allowed to score only by ball control, maneuvers, flicks or other skills, ramming into the other opponent or pinning the opponent will not be allowed (goals scored by these illegal means will not be considered in the final scores)
- THE MATCH CAN BE PAUSED, STOPPED, OR RE-STARTED BY THE REFEREE AT ANYTIME DURING THE GAME.













PRIZES POOL-4000/-

1ST :2500/

COORDINATORS
SHANTARAM BORKER 7620884197
GANDHAR DESHMUKH 7030667677



SCAN & REGISTER











MESFEST

RULES

BRIDGE BUILDING EVENT
INTRA COLLEGE EVENT

ENTRY FEE: FREE

OBJECTIVE

WORKING AS ENGINEERING TEAMS, STUDENTS DESIGN AND CREATE MODEL BEAM BRIDGES USING PLASTIC DRINKING STRAWS AND TAPE AS THEIR CONSTRUCTION MATERIALS. THEIR GOAL IS TO BUILD THESTRONGEST BRIDGE WITH A TRUSS PATTERN OF THEIR OWN DESIGN, WHILE MEETING THE DESIGN CRITERIA AND CONSTRAINTS.

RULES

- 1. A TEAM SHOULD CONSIST OF MAXIMUM 5 MEMBERS.
- 2. Tape or stapler should be used only on the joints and junctions of the straws and not on its entire length.
- 3. TAPING THE ENTIRE ROADWAY IS NOT ALLOWED.
- 4. LOADING CONDITIONS:

THE LOAD WILL BE APPLIED VERTICALLY AT THE CENTER OF THE BRIDGE. THE LOAD WILL BE APPLIED DIRECTLY TO THE ROADWAY.

5. SUPPORT:

SUPPORT WILL BE PROVIDED FOR THE BRIDGE TO SIT ON SUPPORTS WILLBE PLACED 30 CM APART.

6. WEIGHT:

IF THERE IS A TIE, BRIDGE HAVING MINIMUM WEIGHT WILL BECONSIDERED AS THE WINNER.











MESFEST

RULES

BRIDGE BUILDING EVENT

MATERIALS:

50 Straws of 25 cm length. Cello tape and Glue (only fevicol to be used) Stapler if required

DIMENSIONS:

WIDTH=8 TO 10 CM
TOTAL LENGTH= 40 CM MAX
TOTAL HEIGHT= 15 CM MAX ABOVE THE SUPPORT.
ROADWAY: 3CM MAX THICKNESS.

JUDGING CRITERIA:

ROUND 1

- DIMENSION ROUND (QUALIFICATION ROUND)
- BRIDGES WHICH DOES NOT MEET THE GIVEN DIMENSION OR FAILING TO ABIDE BY THE ABOVE RULES WILL BE DISQUALIFIED

ROUND 2

- Load and look test
- JUDGES WILL GIVE MARKS OUT OF 100 FOR THE OVERALL ASTHETICS OF THE BRIDGE. THESE
- MARKS WILL BE ADDED TO MAXIMUM LOAD BRIDGE TAKES BEFORE COLLAPSING.
- THE BRIDGE WITH HIGHER TOTAL POINTS WILL BE DECLARED AS WINNER
- EG MARKS FOR LOOKS 70
- TOTAL LOAD TAKEN 1100GM TOTAL POINTS-
- 1100+70=1170













Ansys Workshop

BY
PROF. RAMDAS PANDIT



SCAN & REGISTER

DATE: 17TH OCTOBER 2024

TIME: 2 PM-4 PM

VENUE: CAD/CAM LAB







Samero Engineering workş





FEST





PRIZE POOL-8500/-1ST-5000/-2ND-3500/-

COORDINATORS

SCAN & REGISTER DEVENDRA SAWANT +91 75592 13439

VALICIO +91 96044 19205







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MESFEST

RULES

CATAPULT
INTER COLLEGE EVENT

ENTRY FEE: FREE

OBJECTIVE

THE CATAPULT EVENT CHALLENGES PARTICIPANTS TO UNLEASH THEIR CREATIVITY AND ENGINEERING SKILLS IN DESIGNING AND CONSTRUCTING A FUNCTIONAL CATAPULT. TEAMS WILL BE TASKED WITH ASSEMBLING THEIR CATAPULT FROM SCRATCH DURING THE EVENT AND TESTING ITS EFFICIENCY IN LAUNCHING PROJECTILES. THIS IS A HANDS-ON EVENT THAT COMBINES BOTH THEORETICAL KNOWLEDGE AND PRACTICAL SKILLS, PUSHING TEAMS TO INNOVATE WHILE WORKING UNDER PRESSURE. THE EVENT PROMISES A THRILLING EXPERIENCE, WITH PARTICIPANTS COMPETING TO BUILD THE MOST EFFECTIVE CATAPULT WITHIN THE SET CONSTRAINTS.

RULES

- EACH TEAM CAN CONSIST OF A MAXIMUM OF 4 MEMBERS.
- PRE-ASSEMBLED OR COMMERCIALLY PURCHASED CATAPULTS ARE STRICTLY PROHIBITED.
- TEAMS MUST ASSEMBLE THEIR CATAPULTS ON-SITE DURING THE EVENT, ENSURING ORIGINALITY AND HANDS-ON INVOLVEMENT
- IN THE EVENT THAT THE CATAPULT BREAKS DURING A SHOT, THAT PARTICULAR SHOT WILL NOT BE COUNTED.
- TEAMS WILL BE GRANTED A 30-MINUTE WINDOW TO REPAIR ANY DAMAGE TO THE CATAPULT.
- THERE ARE NO SIZE RESTRICTIONS ON THE CATAPULT, ALLOWING TEAMS COMPLETE FREEDOM TO DESIGN THEIR MECHANISM.
- THERE ARE NO MATERIAL RESTRICTIONS FOR THE CATAPULT, GIVING PARTICIPANTS THE FLEXIBILITY TO USE ANY MATERIAL THEY DEEM FIT FOR THEIR DESIGN.











RULES

CATAPULT

- There are no material restrictions for the catapult, giving participants the flexibility to use any material they deem fit for their design.
- THE JUDGES' DECISION WILL BE CONSIDERED FINAL AND BINDING IN ALL MATTERS RELATED TO THE EVENT.
- ITEM TO BE THROWN: A TENNIS BALL

JUDGING CRITERIA

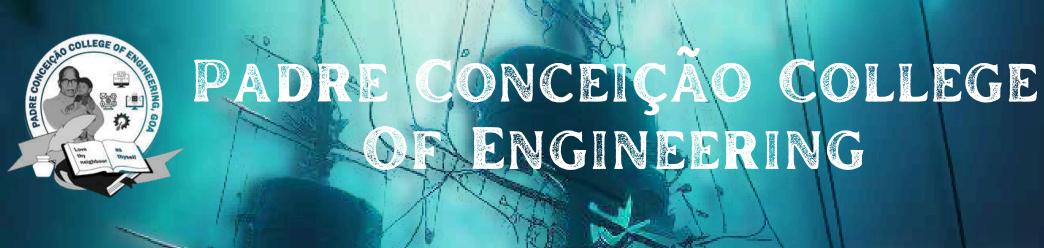
- 1. DISTANCE OF THE THROW: THE PRIMARY JUDGING CRITERION WILL BE THE DISTANCE THE CATAPULT CAN LAUNCH THE GIVEN TENNIS BALL. TEAMS WILL BE EVALUATED BASED ON HOW FAR THEIR CATAPULT CAN PROPEL THE BALL IN A SINGLE SHOT. THE CATAPULT WITH THE FARTHEST THROW WILL RECEIVE HIGHER SCORES.
- 2. ADDITIONAL ROUND (TARGET HIT): IN THE EVENT OF MULTIPLE TEAMS ACHIEVING SIMILAR RESULTS IN THE DISTANCE ROUND, AN ADDITIONAL ROUND WILL BE CONDUCTED. IN THIS ROUND, TEAMS WILL NEED TO ADJUST THEIR CATAPULT TO HIT A SPECIFIC TARGET PLACED AT A SET DISTANCE. ACCURACY IN HITTING THE TARGET WILL DETERMINE THE WINNER IN CASE OF A TIE IN THE DISTANCE ROUND. THE CLOSER THE PROJECTILE LANDS TO THE TARGET, THE HIGHER THE SCORE.















PRIZE POOL-10,000/-

COORDINATORS

STANISLAUS FERNANDES +91 7263017407

SHANTARAM BORKAR +91 7620884197







Samero Engineering works







RULES

ROBO RACE
INTER COLLEGE EVENT

ENTRY FEE: 300/-RE-ENTRY FEE: 200/-

RULES

- A TEAM CAN COMPRISE OF A MAXIMUM OF 4 MEMBERS.
- REGISTRATION WILL BE CONFIRMED UPON PAYMENT OF THE ENTRY FEE ONLY
- ENTRY FEE WILL NOT BE REFUNDED ONCE REGISTRATION IS COMPLETED.
- NO EXTERNAL POWER SUPPLY WILL BE PROVIDED TO THE PARTICIPANTS.
- AN INDIVIDUAL CANNOT BE A MEMBER OF MORE THAN ONE TEAM AND A ROBOT CANNOT BE SHARED BY TWO OR MORE TEAMS.
- IF A TEAM HAS 2 OR MORE BOTS, THE BOTS MUST BE UNIQUE.
- RE-ENTRY WILL BE ALLOWED.
- A PENALTY OF 5 SEC WILL BE ADDED TO THE EXISTING TIME FOR TOUCHING THE BOT IF IT FALLS FROM THE TRACK AND 20 SEC FOR SKIPPING A CERTAIN OBSTACLE. AND 5 SEC TIME PENALTY FOR TOUCHING THE LINES
- THE ROBOTS CANNOT BE CONSTRUCTED OUT OF READYMADE KITS
- AVAILABLE IN THE MARKET.
- PULLING OF ROBOTS WITH CONNECTED WIRES ON TRACK WILL LEAD TO DISQUALIFICATION











FEST

RULES

ROBO RACE

- THE ROBOT SHOULD NOT BE DISASSEMBLED UNTIL THE RESULTS ARE DECLARED.
- FAILURE TO COMPLY WITH THE RULES OR PARTAKING IN UNFAIR MEANS WILL LEAD TO DIRECT DISQUALIFICATION
- THE COORDINATORS DECISION IS FINAL.
- COORDINATORS HOLD THE AUTHORITY TO CHANGE ANY RULES AND REGULATIONS
- DURING THE EVENT.
- ROBOT SPECIFICATION
- THE WEIGHT OF THE BOTTHE WEIGHT OF THE BOT SHOULD NOT EXCEED 5 KG.
- THE ROBOT CAN BE POWERED ON BOARD OR OFF BOARD.
- THE POTENTIAL DIFFERENCE BETWEEN ANY TWO ELECTRICAL POINTS ON THE ROBOT MUST NOT EXCEED MORE THAN 18 VOLTS THROUGHOUT THE RUN
- FOR WIRELESS COMMUNICATION, PARTICIPANTS MUST HAVE AT LEAST 5 METERS OF RADIO RANGE, IT IS RECOMMENDED TO KEEP DUAL FREQUENCIES FOR COMMUNICATION











5 SOLIDWORKS



SCAN & REGISTER

PRIZE POOL-6500/ 1ST-4000/-2ND-2500/-

COORDINATORS

OM +91 9552195896

LEANDER +91 9130149800











MICHIFE STA

SOLIDWORKS DESING COMPETITION
INTER COLLEGE EVENT

ENTRY FEE: 150/-

OBJECTIVE

SOLIDWORKS PARTICIPANTS HAVE TO BUILD A 3D CAD MODEL IT WILL BE AN ONSPOT DESIGNING ROUND. PARTICIPANTS WILL BE GIVEN A PROBLEM STATEMENT AT
THE TIME OF THE EVENT AND THEY HAVE TO SUBMIT THEIR DESIGN WITHIN THE
SPECIFIED TIME LIMIT. EACH SPECIFICATION WILL CARRY SOME POINTS ACCORDING TO
THE QUESTION AND ITS LEVEL OF DIFFICULTY. MODELS MUST BE PREPARED IN THE
CAD SOFTWARE SOLIDWORKS.

RULES

- THIS IS AN INDIVIDUAL PERSON EVENT
- OTHE EVENT WILL BE HELD OFFLINE AT CAD LAB.
- •TIME LIMIT FOR THE COMPLETE ON OF THE SOLID MODEL WILL BE 2 HOURS ONLY
- EACH PARTICIPANT WILL HAVE TO COMPLETE 2 DESIGNS IN THE GIVEN PERIOD UPTO THE SPECIFICATIONS REQUIRED.
- EXCEEDING THE TIME LIMIT WILL RESULT IN REDUCTION OF POINTS. THE SOLID MODEL TO BE DESIGNED WILL BE GIVEN ON THE SPOT.











M. C. H. F.E.S.T. RULES

SOLIDWORKS DESING COMPETITION

•THE MODEL WILL BE CHECKED FOR DIMENSIONAL ACCURACY AND FINISHING (CHAMFER, FILLET, ETC.) • IT IS REQUESTED TO REMAIN HONEST AND AVOID TAKING HELP OR CHEATING DURING THE EVENT.

- ANY DOUBTS ABOUT THE RULES CONTACT THE COORDINATORS IN THE WHATSAPP GROUP OF THE PARTICIPANTS WHICH YOU WILL JOIN WHILE REGISTERING.
- THE JUDGING CRITERIA AND DECISION SHALL BE FINAL AND NO ARGUMENT WILL BE ENTERTAINED FOR THE SAME.

REGISTER NOW!!!











MISHIFEST





1ST- 2500/-

2ND- 1500/=

COORDINATORS

GOKUL K .: +917387206694

AMAN SHETYE: +91 8857071463



SCAN & REGISTER







Samero
Engineering works





MICHIFE STA

MECHANISM BUILDING COMPETITION
INTRA COLLEGE EVENT

ENTRY FEE: FREE

OBJECTIVE:

DESIGN AND BUILD A UNIQUE MECHANISM WITH A USEFUL PURPOSE THAT PRODUCES AN OUTPUT, SUCH AS THE APPLICATION OF FORCE, LINEAR, OR ROTARY MOTION.

RULES:

- TEAMS MUST CONSIST OF 2-4 MEMBERS.
- PARTICIPANTS WILL HAVE TIME TO PRESENT THEIR MECHANISM TO THE JUDGES.
- PURCHASING THE ENTIRE MECHANISM FROM A SUPPLIER WILL RESULT IN DISQUALIFICATION.
- NO RESTRICTIONS ON MATERIALS USED.
- JUDGES' DECISIONS ARE FINAL, NO OBJECTIONS WILL BE ENTERTAINED POST-RESULTS.

INSTRUCTIONS:

- ALL PARTICIPANTS MUST JOIN THE MECHANISM BUILDING WHATSAPP GROUP.
- ANY QUERIES REGARDING THE EVENT CAN BE ADDRESSED IN THE WHATSAPP GROUP.









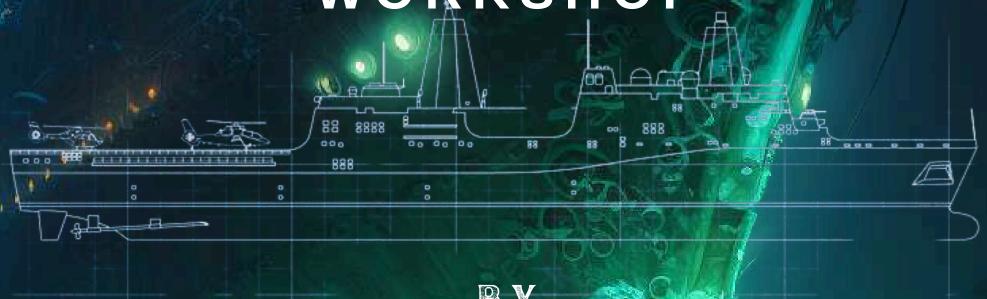






AUTODESK Fusion

WORKSHOP



BY

PROF. PUNDALIK BHUSHAN SALKAR



SCAN & REGISTER

DATE:-17TH OCTOBER 2024
TIME: 2 PM-4 PM

VENUE:-CAD/CAM LAB











reelconpetition



SCAN & REGISTER

1ST PLACE-6000/-

COORDINATOR
MARISHA ALMEIDA+91°7057613045











MESFEST

RULES

REEL MAKING COMPETITION
INTER COLLEGE EVENT

ENTRY FEE: 200/-

THEME

PROMOTION OF THE BRAND SIMPLE ENERGY, A NEW EV BIKE BRAND.

RULES

1. LOCATION:

ALL REELS MUST BE FILMED WITHIN THE COLLEGE CAMPUS.

2. CONTENT GUIDELINES:

Ensure that the content is appropriate for all audiences.

Avoid using offensive, inappropriate, or harmful language, actions, or imagery.

3. PARTICIPANTS:

REELS CAN FEATURE A SINGLE INDIVIDUAL OR A TEAM.

- 4. SOCIAL MEDIA:
 - THE FINAL REEL MUST BE UPLOADED TO THE PARTICIPANT'S PERSONAL INSTAGRAM ACCOUNT.
- Include the following hashtags: #SimpleEnergy, #EVREVOLUTION, AND ANY ADDITIONAL EVENT-RELATED HASHTAGS PROVIDED BY THE ORGANIZERS.

 AND TAG BOTH THE SIMPLE ENERGY AND COLLEGES OFFICIAL ACCOUNTS
- 5. DURATION:

REELS MUST COMPLY WITH INSTAGRAM'S TIME LIMIT (MAXIMUM OF 60 SECONDS).

6. ORIGINALITY:

ALL CONTENT, INCLUDING MUSIC AND VISUALS, SHOULD BE ORIGINAL OR APPROPRIATELY LICENSED.











MICHIFEST

RULES

REEL MAKING COMPETITION

JUDGING CRITERIA

- 1. CONTENT QUALITY:
 - CREATIVITY AND MESSAGING THAT PROMOTES SIMPLE ENERGY AND ITS EV BIKE.
- 2. CINEMATOGRAPHY:
 - VISUAL APPEAL, CAMERA WORK, AND EDITING TECHNIQUES.
- 3. RELEVANCE TO THE THEME:
 - THE REEL MUST EFFECTIVELY COMMUNICATE THE PROMOTION OF SIMPLE ENERGY.
- 4. ENGAGEMENT (LIKES):
- THE NUMBER OF LIKES RECEIVED ON INSTAGRAM WILL BE FACTORED INTO

SCORING. ENSURE THAT YOU FOLLOW ALL RULES TO AVOID DISQUALIFICATION. HAPPY FILMING!







