

IIMT GROUP OF COLLEGES, GREATER NOIDA

Presents

SWALAKSHYA-2024

on

28th & 29th November 2024

TECHNICAL

Overall Coordinator

Mr. Ajay Sharma

List of Activities (Technical)

1. CAD Competition (using Auto CAD)
2. BGMI
3. Mini Militia
4. Tower Building
5. Coding Marathon
6. IoT Challenge
7. Technical Quiz

CAD Competition (using Auto CAD)

Registration Fees: Rs. 50/- per participants

Faculty Coordinator:

1. Mr. Tribhuwan Singh
2. Mr. Awdhesh Kumar

Rules and Regulations:

- **Eligibility:** Open to Diploma/B.Tech (ME & CE) students; individual entries only.
- **Registration:** Register by the deadline with a valid student ID.
- **Structure:** One or more timed rounds with specific tasks to complete.
- **Design Guidelines:**
 - Follow provided specifications, dimensions, and constraints.
 - **Submission:** Save and submit designs in the required format before the deadline.

- **Evaluation:** Judged based upon accuracy, creativity, and adherence to instructions; judges' decisions are final.
- **Disqualification:** Violations, unauthorized tools, or misconduct lead to disqualification.
- **Prizes:** Top three winners get prizes; all participants receive certificates.
- **General Terms:** Organizers may adjust rules; participants agree to follow all guidelines.

GAMING (BGMI)

Registration Fees: Rs. 50/- per participants

Faculty Coordinator:

1. Mr. Dheeraj Kumar
2. Mr. Ankit Khari

Rules and Regulations:

- **Eligibility:** Open to registered BGMI players; individual/team entries.
- 4 students required for a one team.
- **Registration:** Submit Player ID(s) by the deadline.
- **Game Settings:** Standard BGMI settings; maps/modes announced in advance.
- **Conduct:** No cheating, hacking, or unsportsmanlike behavior allowed.
- **Match Timing:** Participants must be ready to join at the scheduled time; late entries may forfeit.
- **Technical:** Ensure your device and connection are stable; no extra time for issues.
- **Scoring:** Points based on kills and placement; top scores advance.
- **Judging:** Referees' decisions are final; tie-breakers use placement points.
- **Prizes:** Awards for top players, subject to rule compliance.
- **General:** Rules may change; participants agree to follow all guidelines.

GAMING (Mini Militia)

Registration Fees: Rs. 50/- per participants

Faculty Coordinator:

1. Mr. Ankit Khari
2. Mr. Dheeraj Kumar

Rules and Regulations:

- **Eligibility:** Open to registered players; individual/team entries only.

- 4 students required for a one team.
- **Registration:** Register with a valid Player ID before the deadline.
- **Game Settings:** Standard Mini Militia settings; maps and modes will be predetermined.
- **Conduct:** No cheating, hacking, or disruptive behavior; fair play is mandatory.
- **Match Timing:** Players must join on time; late entries may forfeit their match.
- **Technical:** Participants are responsible for their devices and connection; no time extensions for technical issues.
- **Scoring:** Points based on kills and survival; high scores progress to the next round.
- **Judging:** Decisions by referees are final; tie-breakers will use predefined criteria.
- **Prizes:** Awards for top players based on final rankings.
- **General:** Rules may be updated; players agree to abide by all guidelines and respect referee decisions.

Tower Building

Registration Fees: Rs. 50/- per participants

Faculty Coordinator:

1. Mr. Dharmendra Kumar
2. Mr. Mainuddin Khan

Rules and Regulations:

- **Eligibility:** Open to all registered participants; individual or team entries allowed (2-4 members).
- **Registration:** Complete registration by the deadline. Each team or individual must confirm participation before the event.
- **Materials:** Participants must bring their own materials (e.g., straws, paper, tape, sticks) within the allowed specifications.
- **Time Limit:** Participants have a set time to build the tallest stable tower; exact timing will be announced in advance.
- **Design Requirements:**
 - The tower must stand independently without any external support.
 - Height and stability will be the main criteria for judging.
 - Only one structure per participant/team can be submitted.
 - **Evaluation:** Towers will be measured for height and tested for stability. Points may also be awarded for creativity and design, if applicable.
 - **Disqualification:** Using prohibited materials or tampering with another team's structure will lead to disqualification.

➤ **Judging and Prizes:**

- Judges' decisions are final, with prizes for the tallest, most stable, and/or most creative tower, depending on the competition format.
- **General:** Rules are subject to change; participants must comply with any updates and respect competition guidelines.

Coding Marathon

Registration Fees: Rs. 50/- per participants

Faculty Coordinator:

1. Mr. Pramod Sajwan

Rules and Regulations:

- **Eligibility:** Open to Diploma/Degree students; individual entries only.
- **Competition Format:**
 - Includes algorithmic problems and coding tasks covering algorithms, data structures, and other coding challenges.
 - Fixed time duration to complete challenges.
- **Languages and Tools:**
 - Allowed languages: Python, Java, C, C++, JavaScript, and others as specified.
 - Participants may use their own computers or computers provided by the organizers.
- **Submission Guidelines:**
 - Submit code in the specified format (e.g., GitHub, zip, or platform submission).
 - Late submissions will not be accepted.
- **Evaluation Criteria:**
 - Correctness, Efficiency, Technical Implementation, Code Quality and Adherence to Specifications.
 - No cheating or use of unauthorized resources.
 - Work independently unless specified otherwise.
 - Cheating or plagiarism will lead to disqualification.
- **Judging and Prizes:**
 - Prizes for top performers based on correctness, efficiency, and technical implementation.
 - Judges' decisions are final.
- **General:** Participants must follow all guidelines and respect judges' decisions.

IoT Challenge

Registration Fees: Rs. 50/- per participants

Faculty Coordinator:

2. Ms. Shakshi Rana
3. Mr. Manoj Kumar

Rules and Regulations:

- **Eligibility:** Open to Diploma/Degree students, tech enthusiasts interested in IoT; individual or team entries allowed (2 members).
- **Registration:** Complete registration by the specified deadline. Each participant or team must confirm their participation on the event day.
- **Challenge Scope:**
 - Participants are required to bring their pre-designed prototypes for the competition, based on impactful and innovative solutions related to real-life applications (e.g., Smart Homes, Automation, Environment, Health, Agriculture, Smart Cities, Industry, etc.).
 - Prototypes should be functional and relevant to the challenge topic, with both hardware and/or software components as necessary.
 - Any additional development or modifications can be made on-site within the allowed timeframe.
- **Materials and Tools:**
 - Participants must bring all necessary materials, tools, and equipment (e.g., sensors, microcontrollers, laptops) for their prototype demonstration.
 - Use of open-source software, libraries, and IoT platforms is allowed.
 - **Time Limit:** A fixed time will be provided to make final adjustments, set up, and prepare for the presentation and demonstration of the prototypes.
- **Presentation:**
 - Each participant/team must prepare a short demonstration of the prototype to the judges.
- **Evaluation Criteria:**
 - Solutions will be judged on innovation, functionality, feasibility, and relevance to the theme.
- **Disqualification:**
 - Plagiarism, unauthorized materials, or inappropriate behavior will result in disqualification.
- **Judging and Prizes:**
 - Judges' decisions are final, with prizes for top prototypes based on scoring criteria.

Technical Quiz

Registration Fees: Rs 50 per participant

Faculty Coordinator:

1. Sachin Kumar
2. Prashant Kumar Sharma

Rules and Regulation:

- **Eligibility:** Open to all registered participants; individual entries only.
- **Quiz Format:**
 - **Preliminary Rounds:** Conducted will be via Google Forms with multiple-choice, and true/false, questions covering various technical topics, general reasoning and aptitude.
 - **Final Round:** May be a live verbal quiz, where finalists answer questions verbally in real time.
 - **Time Limit:**
 - Each Google Form round will have a fixed time limit (30 minutes). All answers must be submitted within the allotted time.
 - In the verbal round, participants will have a limited time to respond to each question.
 - **Scoring:**
 - Points are awarded for each correct answer in all rounds.
 - Top scorers from the preliminary Google Form rounds will advance to the verbal final round.
 - **Conduct:**
 - During Google Form rounds, use of external resources (internet, books, notes) is prohibited.
 - In the verbal round, no external assistance is allowed, and participants must answer independently.
 - **Disqualification:**
 - Any form of cheating or disruptive behavior during any round will result in disqualification.
 - Sharing answers or using unauthorized resources will lead to immediate dismissal.
- **Judging and Prizes:**
 - Judges' decisions are final, especially in cases of disputes or tie-breakers.
 - Prizes will be awarded to the top performers based on the final scores from the verbal round.
 - **General:**
 - Rules may be updated if necessary; participants must follow the latest guidelines and respect the organizers' and judges' decisions.