

**Post Name: UG-DAPC for 2021**  
**Team Name: 2021-CE-UG-DAPC**  
**Branch: Civil Engineering**

**1. Name: AISHWARYA MERTIA**  
**Enrollment No.: 19121002**



# Aishwarya Mertia

Manifesto, UG DAPC

---



## Who am I?

- 3<sup>rd</sup> Year UG, Civil Engineering Department
- Upcoming Summer Analyst intern at CitiBank
- Junior Executive Member, Academic Council
- Overall Coordinator for Sponsorship and PR, UBA IIT Roorkee
- Founding Member and Joint Secretary (Editorial), Outreach Cell
- Joint Secretary, AIRSOCIITR

## Target Reforms

### UG Curriculum

- Removing discrepancy between different subjects of Civil Engineering. Introducing more courses in Transportation, Geomatics, and Geotechnology while eliminating redundant courses.
- Introducing software-based courses while integrating new technologies like Artificial Intelligence, Machine learning, deep learning in Civil Engineering courses.
- Resuming industrial visits, to enhance Industrial experience and make up for the loss of practical sessions due to the Covid-19 pandemic.
- Expanding the scope of new electives in the department in addition to adding inter-departmental electives.

### UG Projects

- Developing a dedicated portal for students and professors to interact regarding picking up projects as per Professors' needs and students' ambitions.
- Reforms related to B.Tech Project (BTP), including inter-department BTPs and BTPs under professors from other reputed universities.

## **Collaborating with Civil Engineering Consortium (CEC)**

- Opening CEC's industrial projects for all. This will exponentially increase much-needed industrial opportunities.
- Improved access to paid software via CEC's collaboration with different industries. For instance, Bentley Systems, which has collaborated with CEC, can provide expensive and modern software for all.

## **Transparency in the Department**

- Sharing the Minutes of the Meeting of every DAPC meeting with the students of the department.
- Improving transparency of CWS grades while increasing awareness about new developments while sharing regular updates

## **Why vote for me?**

I am a dedicated person with vast experience in matters pertaining to academics. This is clearly reflected in my role as Junior Executive Member of the Institute Academic Council. As a member of the Academic Council, we worked hard to introduce S grade. I intend to use my experience in initiating new reforms in our department in order to modernize it and make it better and more suitable for the fast-moving world. I am always open to new suggestions and would always welcome new ideas.

**2. Name:** *LAKSHRAMAN VYAS*  
**Enrollment No.:** *19113076*



# MANIFESTO

**Lakshraman Vyas** Contact No. - 9351631713

Civil Engineering (19113076) [lakshraman\\_v@ce.iitr.ac.in](mailto:lakshraman_v@ce.iitr.ac.in)

I am Lakshraman, a pre-final year student pursuing Bachelor of Technology in Civil Engineering. I am filing a nomination for the pre-Final year UG DAPC representative for the Department of Civil Engineering. I have experienced the following position of responsibility –

1. Undergraduate Teacher Assistant | Academic Reinforcement Program (ARP)
2. Executive member (Exam Education - Navodaya Cell) | National Service Scheme (NSS), IIT, Roorkee
3. Club volunteer | Sanskrit Club, IIT, Roorkee

I have developed good communication and organizational skills and have fair know-what of our academic system. I am also in good contact with the sophomore and the final years of our department, which can help me get their issues communicated. As I have a decent CGPA of 8.700, I can understand the issues of course and year-wise with my experience.

If elected, I would aim to achieve the following goals:-

- **Ensure better connection and communication with PIC(Placement and Internship Cell)**

The Civil Engineering subject has vast scope to explore the world in core subjects. but not many core companies come to the campus for placement and internship season. It affects the student's interest to go for a core oriented career. Two years back, 2-4 companies came to the placement season. Last year, only 2 companies came to the placement season. The number of core companies are declining. So for a civil enthusiast, it is demotivating and

disappointing as well. I am assuring you to give my best to raise this concern to PIC in a positive way.

- **Equality among all the disciplines and application based syllabus –**

Equal representation of each discipline is important so that students can understand their interests. In the first two years, introducing elective courses of those subjects which have less weightage will be helpful to identify our interest earlier. I will do my best to communicate this concern to the department in a positive way.

- **Increase interaction between professors and students by organizing intra-department meetings**

Students who come from hindi or other mediums background suffer from language barrier. In such situations, it is important to interact with professors regularly. So I will organise intra - departmental meeting to ensure proper communication between professors and students.

- **If feasible, arrange an industrial trip in the III-year Spring semester**

An industrial trip is organised by our department in the 3rd year spring semester. It gives an exposure to the real world industry environment. For the last two years, due to COVID, no trip has been organised. I will do my best to organise this trip safely.

- **Research oriented course**

I will do my best for Promoting the culture of UGRC(Undergraduate Research Course) in our department

- **Right to Information**

**I will increase transparency by communicating all the updates with the students effectively and regularly scheduling DAPC meetings to address critical issues**

- **Technical Fests**

**I will work for Inclusion of innovative Departmental events in technical fest to promote and elevate interest of students in core branch.**

**I will ensure engagement of every student in a positive way, work collectively to achieve student friendly goals and proper communication between all students irrespective of batch or year. I will be flexible enough to entertain new valid points.**

**I believe that, if achieved, these goals will have a positive impact on the students of our branch. If I am elected as DAPC, I will work to raise the interest of students in Civil Engineering and if possible increase professional opportunities in the departmental core. Also, with an industrial trip, our students' enthusiasm, knowledge, and interest in research fields will increase significantly.**