Establishment of a Digital Cell

Brief Introduction

It will be a student body with the vision to digitize all the processes and operations in IIT Kharagpur. It will help administration to move every single process or application online with great efficiency which will save time and improve students' involvement is all these processes.

Why is it needed?

IIT Kharagpur is one of the best universities in India. IIT Kharagpur is known to set an example by constantly innovating in every aspect. Hence, it calls for a need to boost the current initiatives of the administration to make the campus a truly digital one and set a leading example for other colleges.

Many administrative processes in the campus have been going online, but still there is a need to hasten the current efforts and constantly innovate in the coming years.

- Students face difficulties during administrative processes which are still carried out on pen and paper. The availability of an online portal for these processes will help the students save a lot of time that is invested in the completion of a particular task.
- Offline processes have lesser efficiencies than online processes. A lot of students procrastinate while completing certain offline processes and formalities. If an opportunity is released by the institute, an online application will get more applicants than an offline process.
- The outreach of all the initiatives taken by the institute will increase leading to best student being involved for the respective initiative. The cell will be responsible for making sure that through branding and marketing of any such initiative, it reaches each and every student of the campus, and students are enthusiastic about the initiative.
- It will reduce the communication gap between administration, faculty and students bringing them closer. All the opportunities provided by the institute and also projects and course material provided by the faculty will be better organized enabling students to take notice and participate more efficiently.
- It would give hands-on experience to students to work on live projects. The cell will be constantly working on projects that will help students a lot. The impact of their work could be seen all around the campus. This will be a great experience for the students involved enabling them to show more responsibility towards their work and to take more initiatives towards the digitization of the institute.
- The institute can utilize the potential within the campus instead of hiring professionals for the task.
- It will help the institute to align with Government's goal of moving towards an efficient digital network.
- Training of student members as and when required.
- There are no apps of the institute.

Salient Features of the Cell

- A student-run body.
- It will come under the Technology Students' Gymkhana
- Majority of the members will be those interested in web development, app development, coding and innovation.

Initiatives

- All the offline applications circulated by all the institute bodies will be shifted online into user-friendly portals which will help save time and efforts.
- Many other portals and initiatives that will be taken up by the members, to work towards the vision of the cell in the long run.
- Following processes are among those which can be converted:
  - Guest Room Booking
  - Gymkhana Slip
  - Grade Card
  - Hospital Appointments
  - Online Counselling Appointments
  - Regular Surveys and Feedbacks
  - Room Booking
  - Online Elections
  - Archives' Database

Resources required

- Office Space
- Technically efficient students
- Mentors
- Funding