**Group Members:** Chukwuebuka Ernest-Opara, Malavkumar Patel, Sagun Raj   
 Lage, Sai Sravanthi Racharla, Vishal Kumar Yadav

# University Scholarship Management System

# In today's dynamic academic environment, the efficient allocation and tracking of scholarships is paramount. Scholarships play a critical role in attracting and retaining top talent, ensuring deserving candidates have access to quality education without financial constraints. Consequently, a robust system is essential to manage and monitor scholarship disbursements. With this in mind, we propose the development of a comprehensive database system tailored specifically to cater to the needs of the university's scholarship services.

# The process of scholarship allocation involves a myriad of tasks. From evaluating student eligibility, linking them to appropriate majors and departments, tracking individual scholarship allocations, and maintaining records of generous sponsors – every step is crucial. A seamlessly integrated data management system becomes the backbone for ensuring these processes are executed efficiently, transparently, and without errors.

Our proposed database will have five major entities:

1. **STUDENT** - Capturing essential data like student ID, name, and more.
2. **MAJOR** - Encompassing unique ID and name specifications.
3. **DEPARTMENT** - Detailing university departments and their affiliations with various majors.
4. **SCHOLARSHIP** - Logging essential attributes such as scholarship ID, name, and allocated amount.
5. **SPONSOR** - Containing sponsors' contributions and their distribution across various scholarships.

Each of these entities has been chosen to ensure a holistic approach to scholarship management, capturing every detail from a student's personal information to the magnanimous contributions of our sponsors. There can be one-to-one to many-to-many relationships among these entities, making this a complicated problem to track without an automated system with specific constraints and rules.