

CAPSTONE EXPERIENCE

INNOVATIVE SOLUTIONS IN
UNDERGRADUATE PROJECTS



AGENDAS!

- What do we know about Project?
- What are the Roles involved?
- Project Module Assessment Components
 - Project Proposal (Project Process)
 - Project Proposal (Project Process)
 - Project Artefact (Project Process)
 - Project Logs (Project Process)
 - Project Report (Final Report)
 - Viva



WHAT DO WE KNOW ABOUT PROJECT?

- Must be done at the final year.
- Major work that students are required to undertake in order to complete their degree.
- Culmination of all your studies
- Largest piece of work (report and implementation)



WHAT DO WE KNOW ABOUT PROJECT?

- A project proposal, interim report, project artefact, final report must be submitted and viva for each individual student will be conducted.
- And, last but not the least both final report and viva must be passed to pass the whole module.





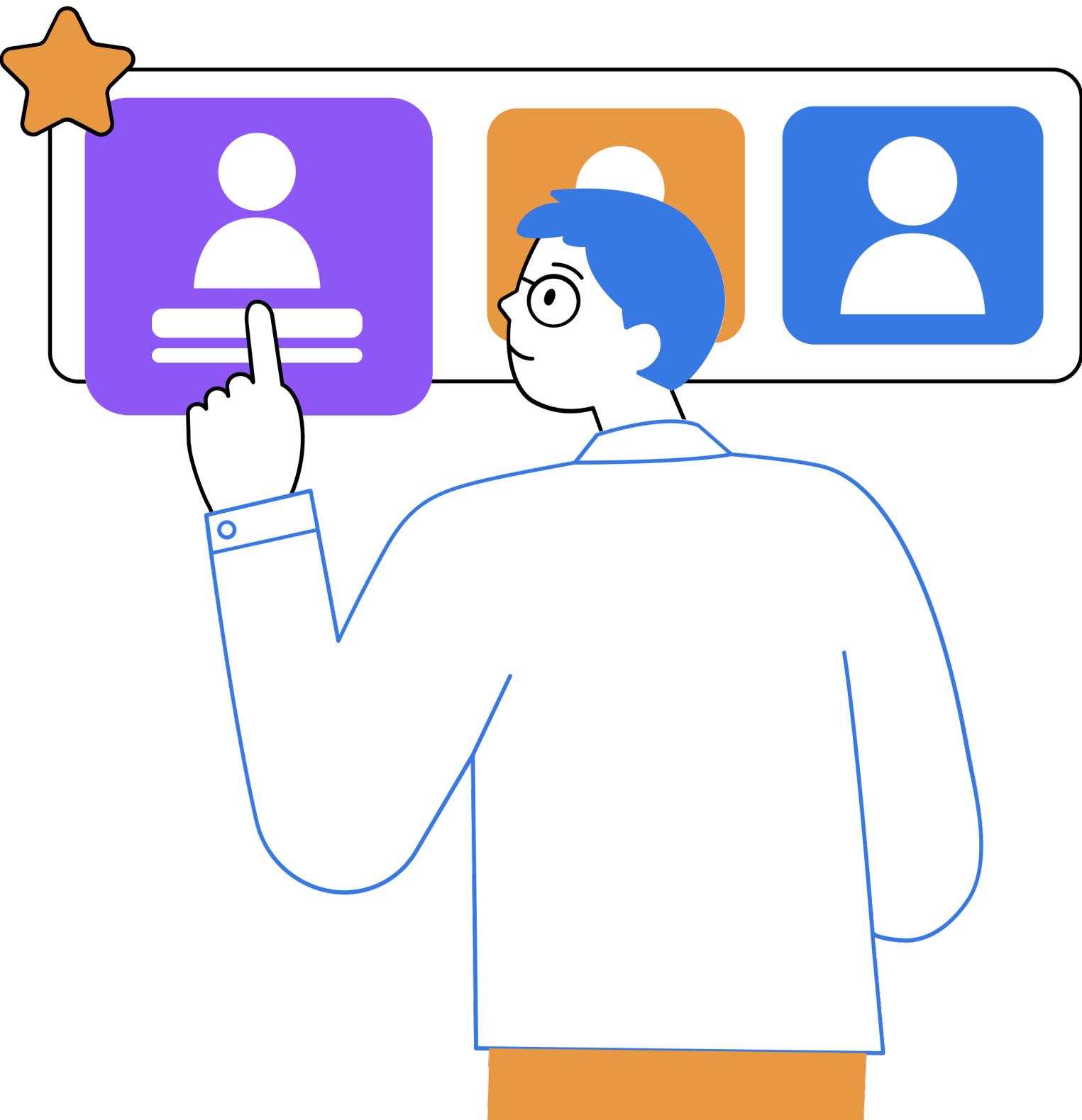
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ROLES

Internal Supervisor

External Supervisor

**Project Module
Management Team**



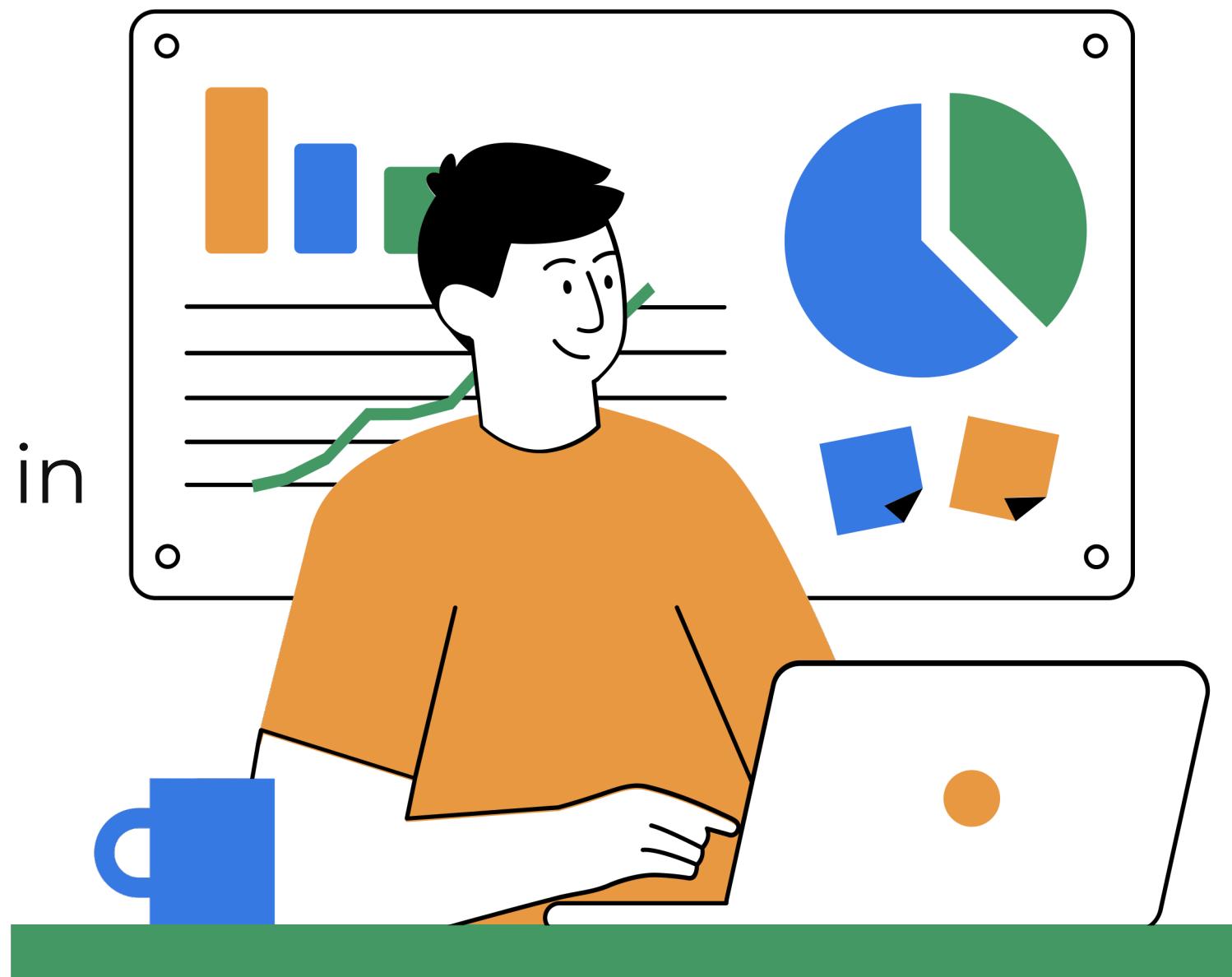
INTERNAL SUPERVISOR

- Academic staffs
- Responsible for academic operations (for eg: report structure, module details etc.)
- Assistance for any part of the process



EXTERNAL SUPERVISOR

- Industry experts
- Responsible for supervising the development process.
- Validates if the flow of development is in sync with project aims and objectives.



PROJECT MODULE MANAGEMENT TEAM

- Responsible for overall operations of the module.
- Responsible for attending any queries related to the operations of the module.
- Responsible for tracking moderation (marks change) if necessary for each and every component.





PROJECT MODULE MANAGEMENT TEAM



SHISHIR SUBEDI



SUGAT MAN SHAKYA



PRATIK PANTA

STEPS TO INITIATE PROJECT

Step 1: Research on various tech and project topics/ideas (At least 3)

Step 2: Consult with the Faculty

Step 3: Select the Topic

Step 4: Prepare Project Proposal





Project Module Components

PROJECT PROPOSAL

- The document student submits at the start of the module.
- **Weightage = 5%**
- Must be approved by the supervisors!





DOS AND DON'TS



- Proper literature review
- Clear aim and objectives
- Mention of project boundaries, resources, constraints and risk.
- Supervisor Approval Form



- Change the topic
- Miss project management
- Submit assumed / unrealistic Gantt chart

INTERIM REPORT

- Second document student submits at the intermission of the module.
- **Weightage = 25%**
- Word Limit is 3500 words





DOS AND DON'TS



Dos



Don'ts

- Work till date
- Make logical project flow
- Inherent detailed plan of future

- Change the approved topic
- Submit unrealistic further work section after interim report
- Mention the work done until there is evidence to support it.

PROJECT ARTIFACT/FOLDER

- Proper evidence of the research done throughout the process.
- Also, includes the software product that has been developed
- **Weightage = 10%**





DOS AND DON'TS



Dos

- Evidences of the research conducted (e.g.: system development, research paper excerpts, screenshots etc.)
- Validation of project aim and objectives must be closely monitored



Don'ts

- Do irregular development procedures
- Add unrealistic features in the final phase of the project
- Focus only on the system development and encourage report development as well.

PROJECT LOGS

- Evidence of weekly meeting with the supervisors.
- It is documented every week.
- **Weightage = 10%**





DOS AND DON'TS



Dos

- Weekly progress, problems and tasks to be done must be mentioned (min. 16).
- Make sure weekly meeting ends with a log sheet being signed or the meeting would not be counted.



Don'ts

- Empty log sheets will not be signed
- Do not say that you are going to get supervisor's sign at last



PLEASE NOTE!

"After each meeting, the supervisors will record every log sheet. Failure to sign the log sheet after each face-to-face meeting will result in a penalty."

PROJECT REPORT (FINAL)

- Final report submitted at the end of the process.
- Must be done specifically in a way university has instructed
- **Weightage = 40%**





DOS AND DON'TS



Dos

- Validate that the objectives have been fulfilled mentioned in proposal.
- Validate the report structure given by the university
- Plagiarism will not be tolerated



Don'ts

- Change in approved project objectives
- If some of objectives have changed due to some reason, mention the reason clearly. Mitigation plans will be adhered to as mentioned in interim report.



VIVA

- After the report is submitted, a verbal defense of the project
- Must be passed to pass the module
- **Weightage = 10%**





DOS AND DON'TS



- Be honest
- Will be recorded(as required)
- Wear a formal Attire



- Bring faulty hardware / software
- Miss the VIVA session



PLEASE NOTE!

**Attendance is mandatory to be acknowledged
by the supervisors.**



THE IMPORTANT TOOLS THAT MUST BE IMPLEMENTED



These are the mandatory tools that must be used during the project development.



This tool is provided by Islington College to support our students. If your project requires any services from AWS, please feel free to reach out to the management team.



2023-24 (LOOKING BACK AT THE YEAR)

Total submissions: 500 out of 588 students

Total Computing students: 344

Total Networking students: 151

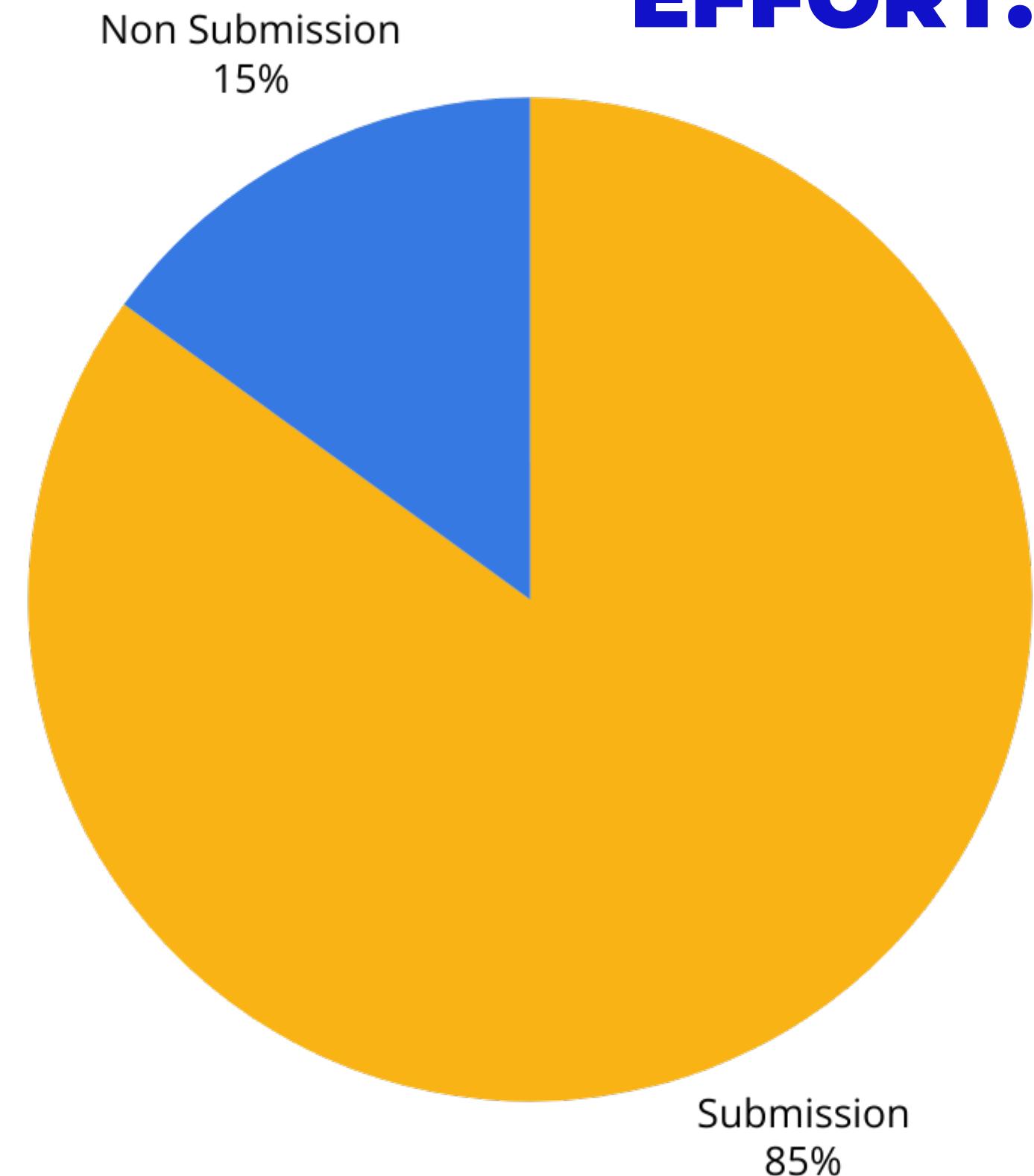
Total MAD Students: 5





AFTER WHOLE ACADEMIC YEAR OF EFFORT...

85% of the Students
Submitted!

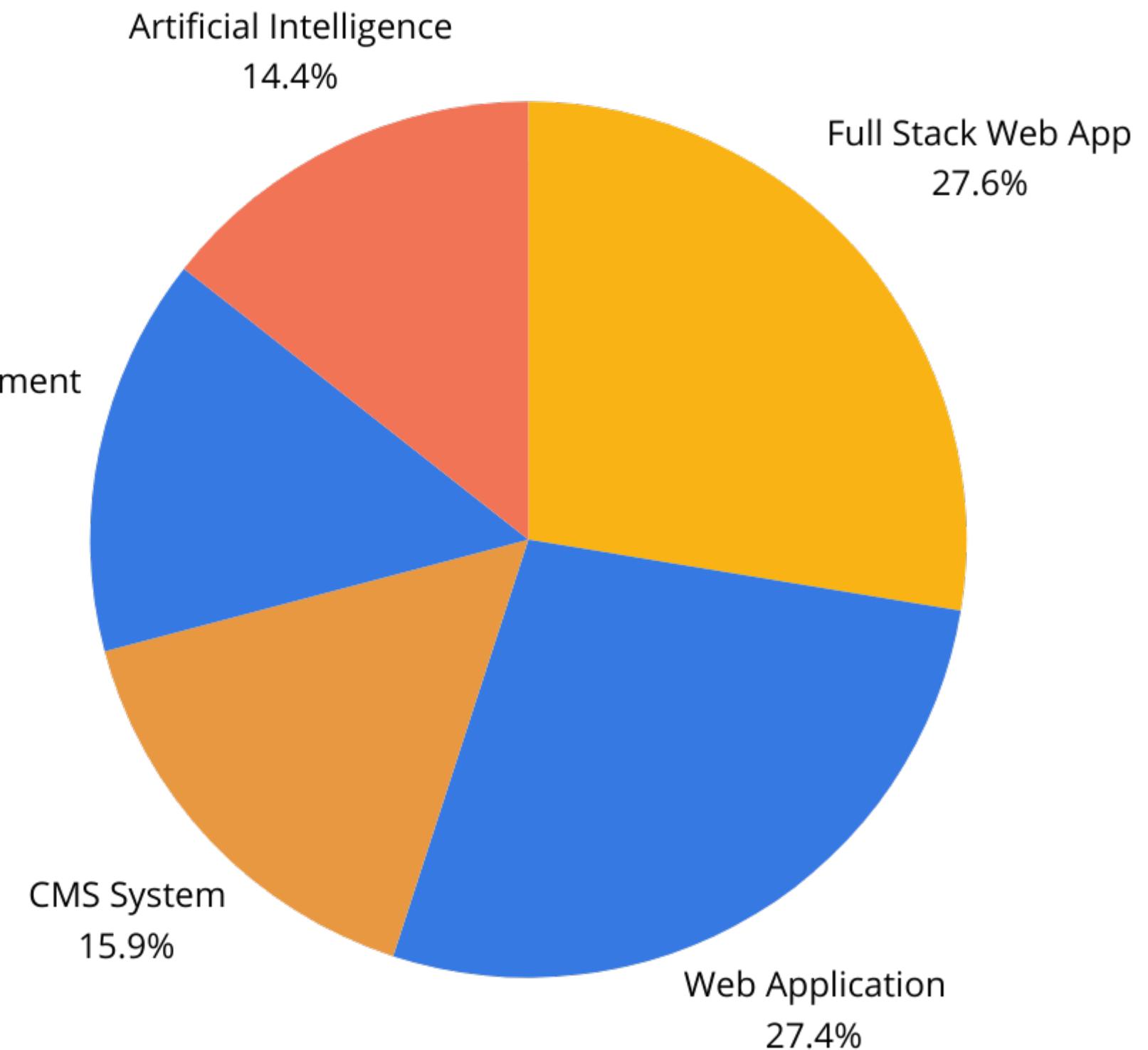




2023-24 BIC PROJECTS

Top 5 project area of interest selected:

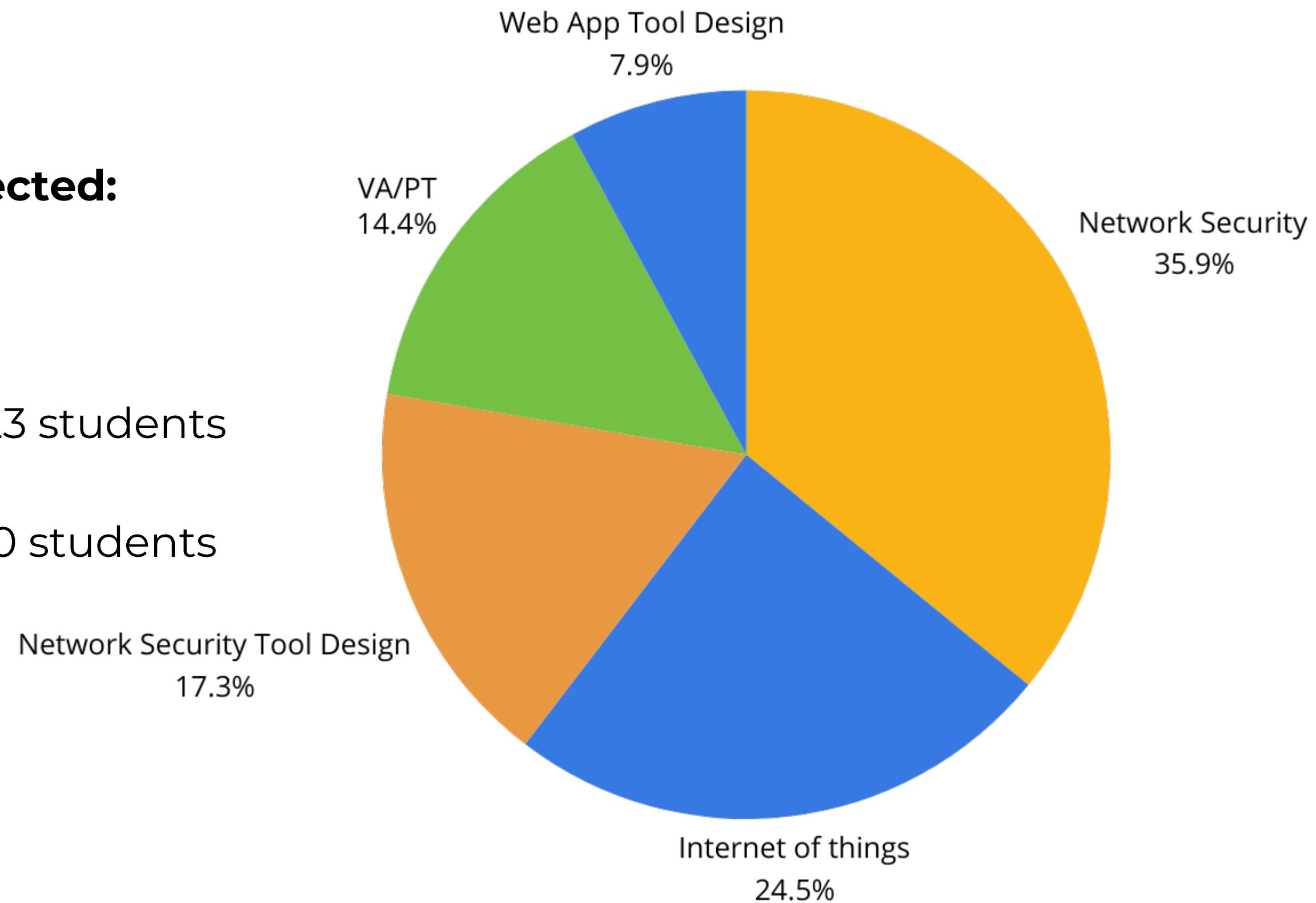
- Full Stack Web application : 113 students
- Mobile Application : 60 students
- Content Management System
(Ecommerce/Ticketing/Hotel/Movie Booking): 65 students
- Web Application: 112 Students
- Artificial Intelligence: 60 students



2023-24 BINIS PROJECTS

Top 5 project area of interest selected:

- Network Security: 50 students
- Internet of Things: 33 students
- Network Security Tool design: 23 students
- VA/PT : 20 students
- Web Application Tool Design: 10 students



Please consult your supervisors, specifically the Project Module Management Team, before taking any actions you are uncertain about.



**THANK YOU
ANY QUESTIONS?**

FYP Support: fypsupport@islingtoncollege.edu.np

