ALLIANCE
UNIVERSITY

T E L A L A B S

ALLIANCE COLLEGE OF ENGINEERING & DESIGN
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
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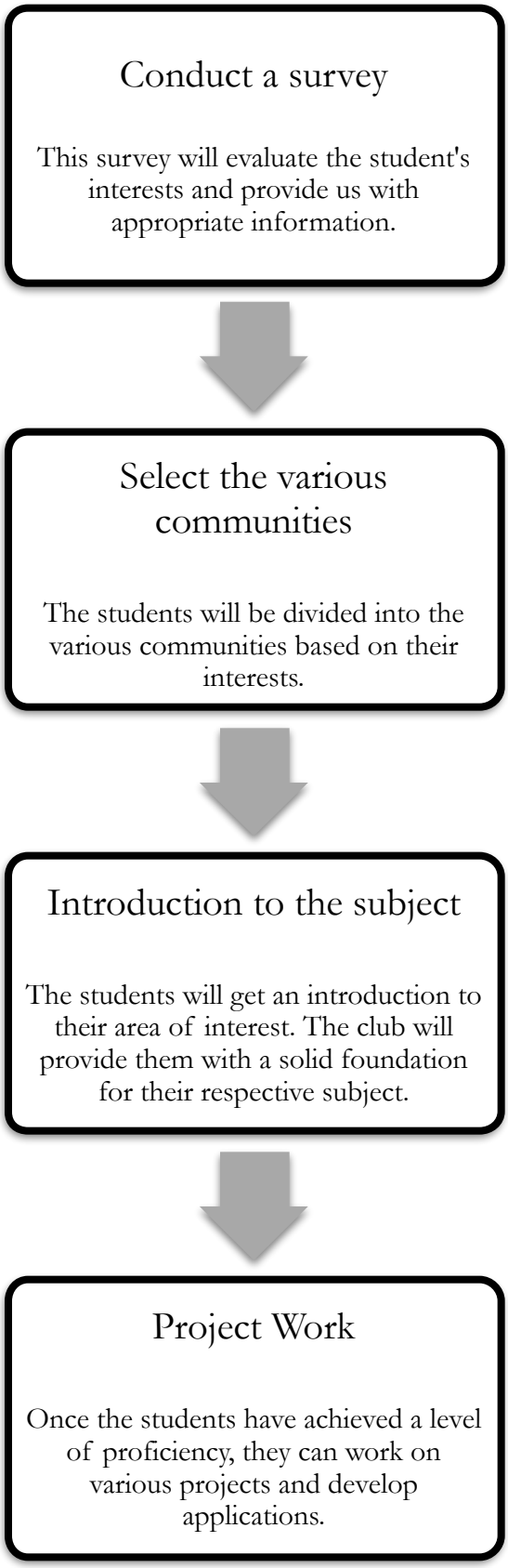
SUMMARY

Tela Labs is an exclusive computer science & engineering and digital electronics club, which is fueled by the students of Alliance University. Tela Labs aims to develop multiple programming and designing communities in order for students to enhance their industrial and networking skills at an undergraduate level. It will allow members to gain insight on developing projects from various aspects such as undergraduate research, freelance projects, as well as projects that are driven entirely by the student community.

This club consists of multiple communities based on design or programming technologies. Tela Labs aims to create a transparent yet interactive platform where several individuals can share their different ideas, unique thought processes, and experiences. Those that belong to these exclusive communities can work together as a team to achieve a common goal. At this platform, the members are always encouraged to share their experiences in coding or programming technologies with others through regular meet-ups or exclusive online forums. During the early stages of forming the communities under Tela Labs, the members must go through training and fine tuning with respect to their specific aspect of the community in which they belong. Student coordinators and exclusively picked faculty-mentors constantly support the members with efficient ways to solve problems in order to make the learning curve easier.

At any point of time, the members have complete freedom to choose how they would like to invest their time. This ranges from many domains provided such as freelance projects, undergraduate research, or student driven projects.

PROPOSED METHODOLOGY



The survey revolves around 3 significant questions:

1. *What are the students good at?*

   This may include examples such as Web Development, Android UI Development, UI-UX designer etc.

2. *What do the students want to learn? What are their interests?*

   We try to mine the specific technologies, which the students are good at.

3. *What do the students expect to achieve parallel to their academic development?*

   This may be undergraduate research, internships (paid or unpaid), etc.

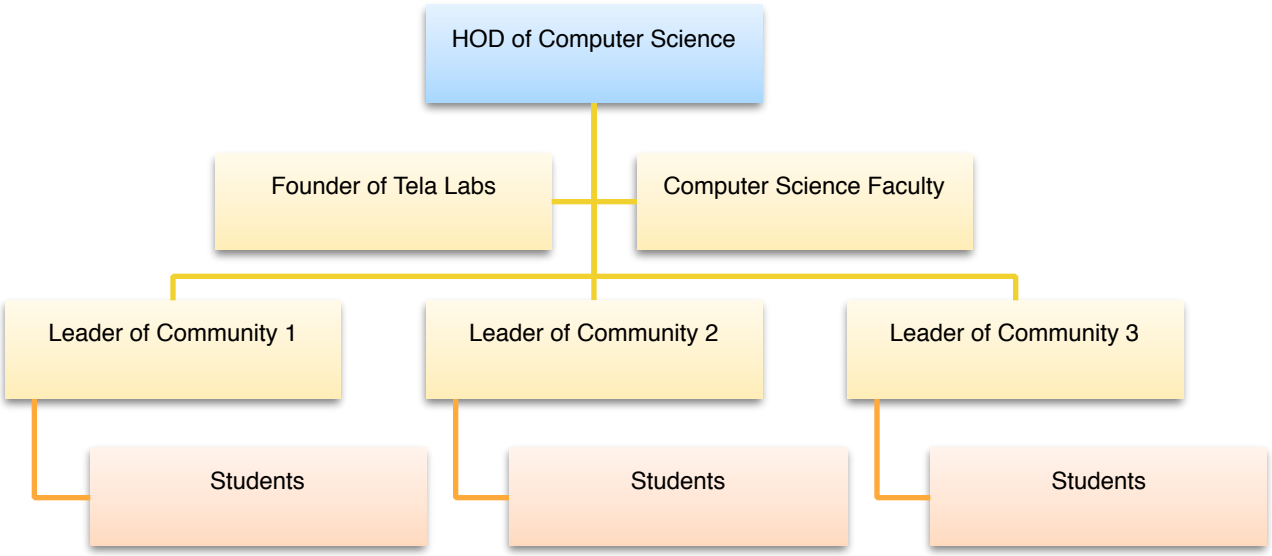
After conducting the survey, the various communities are formed as a part of Tela Labs. These will be based upon the popular programming and design technologies which interest the students. Afterwards, the respective students are invited to join the group. Students may join any community they wish at any time during the semester.

MENTORING

At its cellular level, every community, under Tela Labs, is represented by one student who exhibits exceptional interest in leadership and knowledge pertaining to the respective community. This representative is responsible for regular community meet-ups, communicate between regarding on-going projects or freelance assignments, assess the quality of a project before shipping it to the client (may it be the university or a third party client), and submit proposals for equipment or students projects on behalf of the community.

Every community is maintained by the head and founders of Tela Labs. They are in-charge of creating new communities based upon popular demand under Tela Labs, assigning mentors to each community, and ensuring that the requirements of clients are met on time with respect to both design and functionality of products shipped by each community.

At the highest level, the mentors of the community, which involves the faculty and the Head of Department of the Computer Science, are responsible to guarantee that the club functions efficiently, and all the needs of the individuals and the communities are met.



GOALS AND OBJECTIVES

To the Student Community:

- Create exclusive communities for students who share similar interests
- Congregate students to work as teams and learn from each other
- Demonstrate the practical uses of programming technologies and applications of their industrial skill set
- Introduce undergraduate research opportunities available at the university
- Develop a student driven platform where one can put forth their own projects and seek assistance from the club mentors as well as other members.
- Train students so that they are proficient in their area of interest
- Opportunity for the members to be an active part of open-forums, contribute, and help others regarding programming techniques and technologies.

To the University:

- Recognition and influential tie ups with clients that provide freelance projects to the communities at Tela Labs.
- Training students to achieve a professional skill set and industry experience.
- Various projects pertaining to the university and research paper publications.
- To bridge the gap between student and faculty community and help students understand programming methods and technologies in a more practical approach.

CONCLUSION

We propose Tela Labs to enhance Alliance University's ability and knowledge in the fields of Design and Programming Methods & Technologies. At present, these fields are the core of Computer Science and Engineering, and they have huge scope and opportunity. They are only set to become exponentially larger in the future, given the demand for hardware and design experts in the emerging Internet of Things era. Tela Labs would prepare students to tackle challenges in these areas through training in various technologies by the students, from the students, and mentors for the students.

Proposed Team for Tela Labs:

Mr. Suhas Dattatreya
Ms. Sonal Rajesh Pokale
– CSE (2104-2018) – Student Founders

Dr. R. Selvarani –
Head & Supervisor
Prof. Shekhar R
Prof. V.Vivek
– Faculty Coordinators