

# elevate^now

PHASE II



## Magic.

Loyola-ICAM College of Engineering and Technology  
Chennai - 600 034, Tamil Nadu, India



# Prologue

LICET is one of the very few Engineering institutions which provides students with vast opportunities for one's holistic formation, and Pattarai is a brilliant example for that. At the outset, I'd like to congratulate every member of this initiative and their pioneering effort that helped them reach this distinct position. It's quite heart-warming to witness how this club started with such a humble beginning and has now grown leaps and bounds by their continuous and dedicated hard work.

This student-driven initiative aims to generate new ideas, implement them through **teamwork, and explore one's leadership skills**. And these very objectives have been put into play on many occasions and instances. I am sure that this newsletter 'elevate' will become a must-read chronicle on all happenings of 'Pattarai'.

Although Pattarai is one of the youngest clubs of LICET, the reach it has with other colleges speaks about the speciality and the uniqueness it possesses. It is **a place where workmanship is revealed, a place where something is brought to its most beautiful form from scratch**.



Richard Feynman once said, "**If you want to master something, teach it**". Knowledge sharing is the best way to improve wisdom. LICET's Pattarai echoes this concept because it is **a place where young minds meet and create something great**. I wish all students participate and be part of this club. In the future, I hope to see more Inter-departmental activities that would benefit students from every department. Let Pattarai be an incredible part of every LICETian's life.

Some of the upcoming events that Pattarai plan to conduct, like the **Global Engineering Conference**, a **Mentorship program** for freshers, training on how to start a project on GitHub, senior to junior knowledge sharing and an **Engineering Bootcamp** for the freshers, all of these involve a lot of planning, time, effort and energy. The competence, commitment, and valid contribution of each member is the hallmark of the club's achievements to date. I would like to appreciate each one of you for all the commendable work done so far.

My best regards to all LICETians for a wonderful year ahead and I look forward to witnessing a lot of great activities in Pattarai. I am certain that the current office bearers of Team Pattarai will take this club to the next level.

### **Best Wishes!**

- DR S **SENGOLE MERLIN**  
DEAN OF WOMEN STUDENTS

# Opening Doors

It gives me immense pleasure to see that the Pattarai club continues to spread inspiring energy in the Licet community. In fact, Pattarai is opening doors.

## THE DOOR TO STUDENT CENTRALITY

ICT Academy in its report on the future of higher education prepares us for the fact that the relationship between teacher and student will not be of the traditional guru-shishya variety where the disciple worshipped the ground on which his guru walked. We will see the teacher acting as a facilitator, accompanying as much as teaching. The student will also need others to act as mentors: other students, people from the industry,

It is interesting to remember that Pattarai was created by the students, for the students. Within the framework of the College, faculty can give their support, and mentoring. With workshops, training, and hackathons, Pattarai's collaborative learning opportunity. It requires a willingness to learn by oneself, with appropriate mentoring. Self-learning will be the most visible megatrend in the 2020s. Why is this? Because there is so much knowledge available in the outside world that a teacher cannot teach everything in a classroom. **Knowledge is exploding at a breakneck pace.** During the online teaching mode, because of the pandemic, we have experienced the need to make new content available online, to suggest Pattarai gives us the opportunity to become curious: **"Pattarai was started with the aim of knowledge sharing and helping students get ready to face the world"**

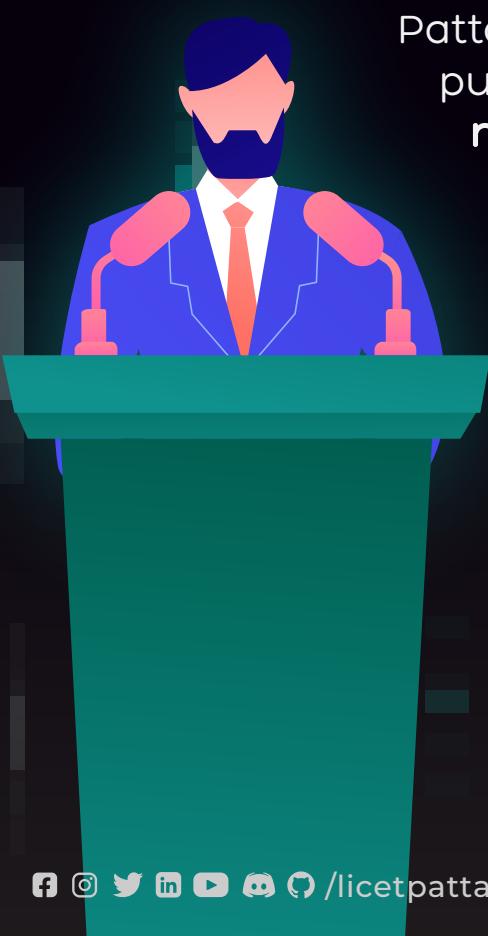
## THE DOOR TO PROBLEM-SOLVING

Pattarai encourages students to learn by working on real-life projects. **Curiosity leads to ideas, ideas to projects, collaborative work around projects to solutions.** Critical thinking and problem-solving are at the top of the list of skills that employers expect to gain in importance over the next five years.

Addressing the societal concerns of the future is the objective. The world is changing very fast. Every morning we have to look around us with a fresh look and ask "what kind of world do we want for tomorrow" and we have to start again and again because everything changes very quickly.

Among today's societal challenges, I would like to draw attention to two in particular: social inclusion and the environment, which are in fact one and the same: integral ecology.

It requires new solutions, to think out of the box, applicable to as many people as possible, and if possible reproducible by as many people as possible (low-tech).



Pattarai invites us to adopt this attitude and to put it into practice through projects. **Small drops make big rivers.** Today's projects by Loyola-ICAM College students can lead to concrete solutions for a sustainable world. The drop of LICET can come together with other drops, within a worldwide community of makers, sharing their ideas, projects, and solutions.

- MR **NICOLAS JUHEL**  
DEAN OF ENGINEERING EDUCATION

# A DM from DM :)

Dear Reader,

I am so thrilled to be presenting you with **Elevate^ - Pattarai's second newsletter!** We've worked on so many new things over the last 6 months and as we celebrate our club's first anniversary, we'd like to quickly take you through all the activities of our club over the next few minutes!

Pattarai was never a "conventional" tech club and never will be. Although we started out as a project club where ideas were brainstormed and resources were pooled, we have since moved on to accommodate newer business models in order to stay relevant in the industry we're working in. The COVID pandemic was indeed tragic for all of us but I'm sure that all of us at Pattarai would agree that working for this club was one of the most productive things we've done over the year!

From collaborating with other entities that share similar interests to **building some amazing products** that are soon going to ship to market, Pattarai's members have all put in countless hours of blood, sweat and tears to make the club what it is today!

Our club runs on teamwork and the consistent amount of effort and time that our members put in. At Pattarai, we try to surround ourselves with incredibly **smart people who are motivated and strive hard to get things done**. If you truly want to make a difference and feel like you would be a great fit for our club, **do join us!** We're always **looking for fresh talent** to expand our teams and embark on new ventures! So, what are you waiting for?



*Daniel Mark*

- DANIEL MARK  
4<sup>TH</sup> YEAR IT



# Projects



# Tsiki

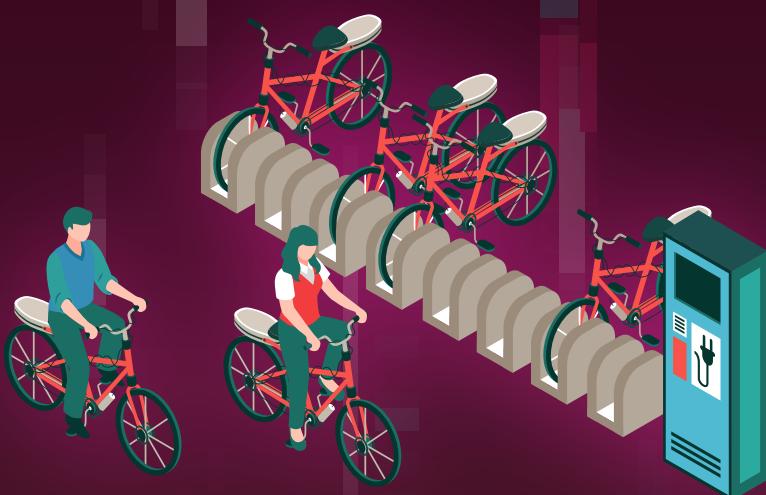
Project Tsiki has been envisioned with a goal to encourage students and staff of LICET to **adopt a healthier lifestyle** and a cleaner form of transport within **campus limits and beyond**. Our project will have bicycles that are stationed in strategic locations within the campus to ensure **maximum reach and convenience**. These bicycles will be complemented by an app which can be used to reserve bicycles in advance, lock/unlock the bicycle and view fitness statistics such as the distance covered along with a leader-board to promote competitive fitness. An in-built wallet along with the provision to recharge your account within the app will ensure seamless, secure and contactless payments. An optical smart card will be used to lock and unlock the bicycle. **A smart Public Bike Sharing system within the campus** will not only promote a healthier lifestyle, but it'll also be incredibly useful to students, especially the hostellers.

## **Below are a couple of use cases:**

1. Most hostellers in the Loyola College Campus don't have a personal vehicle in the hostel and they have to resort to public transport for their commutes. **Hostellers can rent these bicycles** for a nominal fee.
2. Day-scholars who come to college by train can rent bicycles that are docked near the railway station to reach LICET.

To conclude, we believe that the completion of this project will pro-

vide a host of **physical and mental health benefits** to people who use this service along with the added advantage of convenience .



*Pon Rahul*  
- PON RAHUL  
4<sup>TH</sup> YEAR IT

# Cortex

The ideology of Pattarai and how it works may be known to many people. But when there is a club, it needs to function effectively and efficiently and we need something that keeps the club and its members on track and elevated. That's where the need for **Project Cortex** arises.



Project Cortex is an ERP Suite for Pattarai, managing the day-to-day activities of the members and **making the club function more efficiently and efficacious**. It's a pack of several modules which will help the club to be organized in a more constructive manner. The main goal of our project is **to create a relationship with the end-user and the organizer**.

The modules of the Cortex ERP makes the manual work easy and efficient. The Business calls can be easily maintained by the CRM module, event handling can be tracked by the Events module, ranks can be calculated with the Ranking module and a member's details can be viewed in their user profile and we have a way more in the list.

The modules of the Cortex ERP helps the crew to **maintain their tasks and to track the crew's daily activities**. This is how Cortex will change the way of working and managing the club and the club members.



*D. Veroni Shwetha*  
-D VERONI SHWETHA  
2<sup>ND</sup> YEAR IT

# Committee



# Human Resource

**"If you think it is expensive to hire professionals, then try to hire dilettante"**

As the HR of Pattarai, I learnt to take up the responsibilities of managing and operating the club and coordinating with my entire team. It opened doors for me to build my communication skills alongside gave me a huge exposure to shape my personality as I had the experience of conducting **interviews, solving conflicts, making decisions and collaborating** with other departments in our club. It not only helped me individually but also helped me to mold myself into a better team player.

**"A good club can change you. A great club can change your life"**  
and in my life Pattarai has always driven me closer to reaching my goals.



*Jesithan*

- JESITHAN J  
2<sup>ND</sup> YEAR CSE

# Outreach

I've been fortunate enough to have had an opportunity to lead the outreach committee. **We reach out to the people** and let them know the activities of the club. For a club to move forward and grow, good reach and recognition is crucial. And that's exactly what this committee is all about.

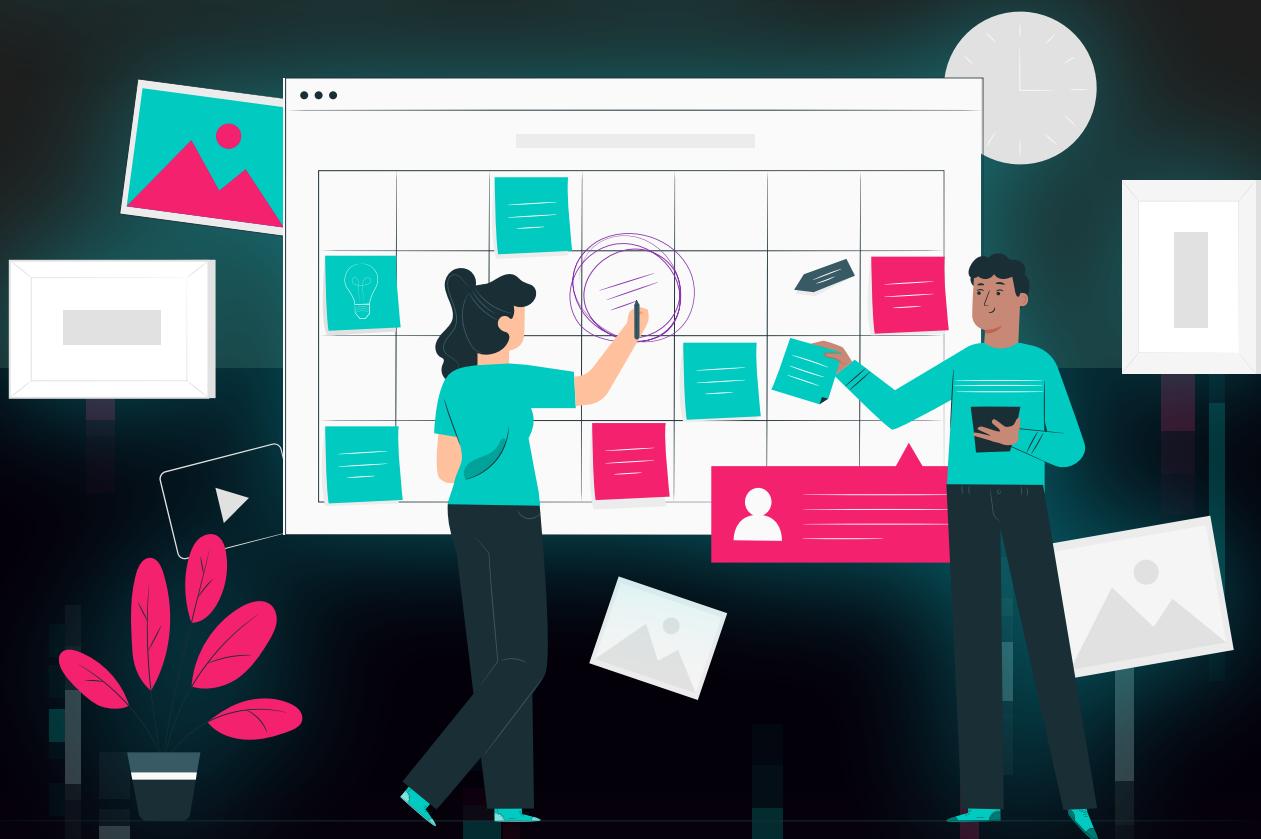
Every teammate is key to our promotions as all of them are independently specialized in various aspects like Content Writing, Poster Designing and Video Editing.

**We promote events, goals and business objectives of the club.** We have been regularly updating the social media platforms about the activities that are going to be conducted within the club. We, one among little parts of a machine constantly working together, **make sure there's never shortage of innovation or ideas.**



**Shirley  
Christabel**  
 - SHIRLEY CHRISTABEL  
 2<sup>ND</sup> YEAR IT

# Events



# Offline Meet

Finally!! The wait was over. For the past eight months PATTARAI and its members has been working through Google meets and Discord to work on its project. Everyone in the club was longing for a physical meet. So PATTARAI organized an Official in the college campus. Nearly 20 members from the club attended the meeting. Everyone was excited about meeting each other physically. First the President of the club **Mr.Daniel Mark** gave a small speech to the members. Followed by the speech of **Mr. Nicolas Juhel DEAN OF ENGINEERING EDUCATION**. Then different committees of the club gave their presentation about their work in the club. Then **Mr. Pon Rahul** gave brief speech about the future of the club. Then finally **Mr. Prabhu Shankar** spoke about the club.



# Experience





"Learn, implement and develop" is what I learned from Pattarai.

Management is one of the qualities everyone needs in this chaotic life. I was a person who found it difficult to manage things in my life. This platform has taught me this quality along with others. Being an HR Executive and a member of the HR committee was one of the essential experiences I had in my life. **A good organization is one where the member of the organization grows along with the organization.** And I experienced that in Pattarai.

From being a crew member to being a technical lead; The opportunities, experience and knowledge I gained from here are to the best. Hope to learn and experience more in the future.

-D **VERONI SHWETHA**  
2<sup>ND</sup> YEAR IT





Being an amateur in tech, Pattarai got me a fresh perspective, **revamp my skills** and enhanced my learning interest in tech. I Joined the club when I had the foggiest idea about engineering. The Dev Workshops conducted by them triggered my enthusiasm towards developing Apps, websites and more. I've figured out how to manage time, **adjusting both Pattarai and Academics**. It aided me to be productive during quarantine days. The way that this club is for the students, by the students, is more impressive. I'm glad to be a member of Team Pattarai.

- ROSHITHA R  
2<sup>ND</sup> YEAR IT



Hello world! Dhivya here. Currently, I am leading the team called Project Cortex at Pattarai. To brief about my journey at Pattarai, I joined this club as **an enthusiastic learner**. Once I joined here, I attended the workshops conducted by the club which assisted me with upgrading my skills.

Here, I learn new things every day and simultaneously experiment my learnings. As a project club, we work on different fields and experience the **diversity among them**. I am glad that I am a part of this club. My days at Pattarai are truly productive and amazing. I am proud to be a diligent member here.

Emergence of Pattarai is making this pandemic more efficient. If you are an energetic learner with crazy ideas, then Pattarai is the platform for you. I am happy to be a part in turning this club to a **tech community**.

- DHIVYA DHARSHINI  
2<sup>ND</sup> YEAR IT

# Intern to an Official Member

I heard there were openings for designers in the club, so I decided to apply and prepared a resume for the interview. A few days after the interview I received an email from Pattarai, welcoming me into the club. I was super excited when I got the mail. All the interns were invited to Pattarai's **discord server** to work alongside **the crewmen**.



I was interested in designing, so I opted for the outreach committee. There was a director for every committee in the club. We all became teammates. These few months as a designer at Pattarai, I learned a lot about leadership, commitment, teamwork, deadlines, priorities & entertainment. Of course, that was not all, I also learned a lot about designing, programming, promoting & organizing.

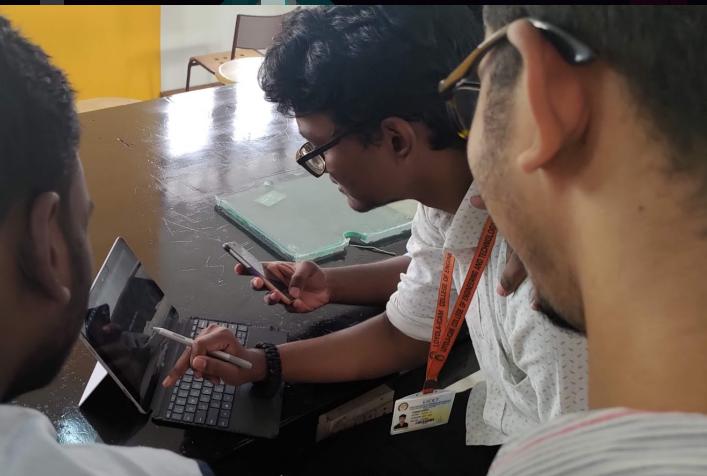
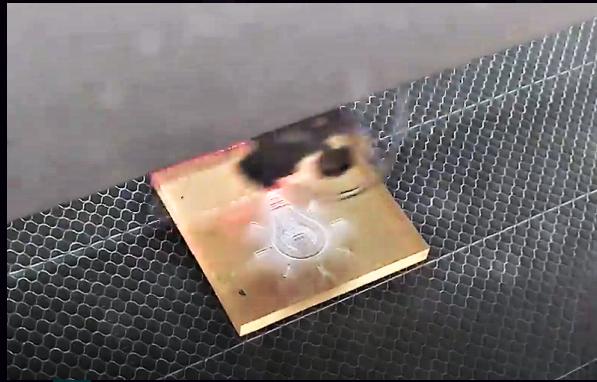
**I hope the club reaches more heights, it's not just a wish, it's the belief I have in Pattarai's members.**



*Jonathan  
Ryndolf*

- JONATHAN RYNDOLF  
1<sup>ST</sup> YEAR MBBS

# Fablab in the making



# Fablab in the making

As students purging to the industry we skip the part where we actually use work! The textbook definitions do definitely help. But building, deploying, creating actual projects is overlooked very often.

It's about time when licetians know that a fablab was in the making. This will impact innovations. I was fortunate enough to be a part of the fablab committee along with the Dean of Engineering and a few faculties. I got a chance to get myself trained in Laser Cutting and 3D printing.

On a quick note, Fablab has everything you need to conceptualize, design, develop, fabricate and test any idea you have. So stay on the hype at our discord. Fablab updates are round the corner!

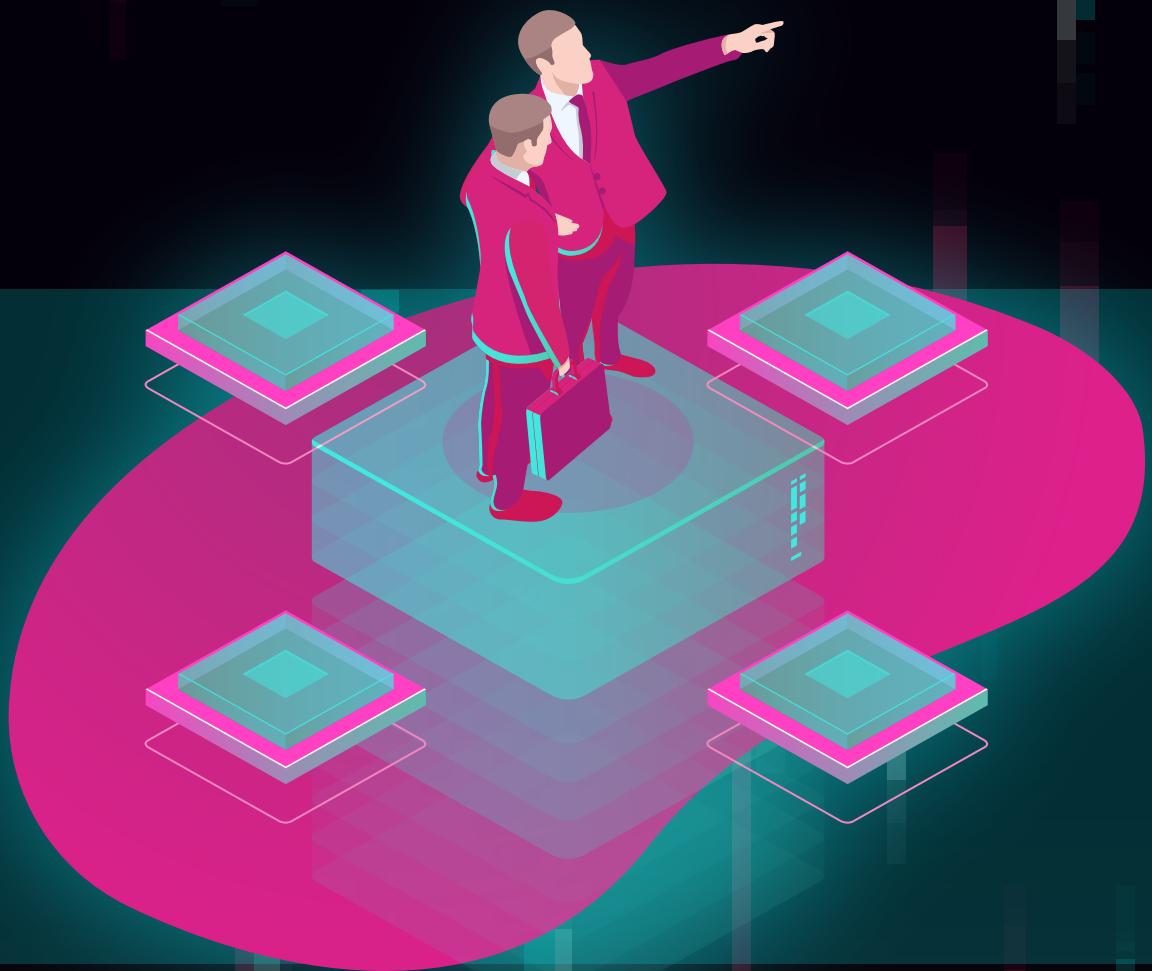


*Fabian Ferno*

FABIAN FERNO  
2<sup>ND</sup> YEAR IT



# Mentorship



It was an amazing run where I learnt to balance my academics as well as my work in Pattarai. I experienced being a mentorship coordinator along with Raksha. A splendid experience, as the freshers this year were smart and very enthusiastic for attending the mentorship programme.

At Pattarai, we wanted to share our technical emotions and give them a taste of the platform we provide to help the students in pursuing their interests. This programme began on 12 December 2020 and it came to an end 12 April 2021. A total of 118 days, 44 mentees, 21 mentors - from our club. The mentees grew technically by the tasks given by their mentors, almost covering all basic spheres of engineering. We also involved some mentees who were very much eager to learn, by involving them in our existing committees and projects.

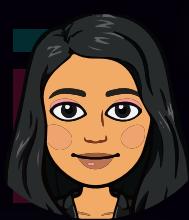
I was personally astounded to work with these mentees and feel an innovative spark in them. "Keep on sowing your seed, for you never know which will grow-perhaps it all will", embarking words by Albert Einstein. With this quote, I feel Pattarai will help all our mentees in their metamorphosis.



*Elizabeth Subhiksha Victoria*  
- ELIZABETH **SUBHIKSHA** VICTORIA  
2<sup>ND</sup> YEAR IT

# Newbie

I have found the pairing has worked really well in terms of my mentor's experience and skills relative to my goals and aims. I think we've managed to set out some good ground rules which has really helped me. The advice received was always passionate, well-considered and very constructive, and as such I found it incredibly helpful. It encouraged me to look at things in a different way and helped me to be able to take a more objective perspective on my subject. My mentor is lovely and had really given time to me and helped me to think through my workload and which areas to modify. We spoke about, how I can really work on both my academics and co-curriculum. My mentor is very encouraging and optimistic person, being with her and discussing or learning about subject is always interesting.



M. Sagrika  
Vincent Mary M.

- SAGARIKA VINCENT MARY M  
1<sup>ST</sup> YEAR ECE



# Awards



# ACE Award

I feel extremely happy to say that Pattarai is working on several campus projects including but not limited to the college's ERP software, a wireless pager network, smart commutation, connected thermometers, and also an active international project from the UK. I am confident that Pattarai will be a budding techno-management community in the next 10 years at our current development rate.



**Life is not a race. You have to create your own race where you will be the only one! The first and the last!**

Let me share a little secret. It is very easy to get started with projects. When you find a technology interesting, go read the official documentation provided by the manufacturer. With a little bit of patience, you will get started with the technology in less than 1/3rd of the time that you spend on online courses.

Another easy way to get started with software development is to work on open source projects. Start small, try to contribute to bug fixes for these projects. Connect with people who work on similar



*Pon Rahul M*  
-PON RAHUL M  
4<sup>TH</sup> YEAR IT

# Editorials Credits



*Abijesh Euphrine*

**ABIJESH EUPHRINE**  
II B.Sc. CS



*Mark Gerald*

**MARK GERALD**  
II ECE



*Rizzerio*

**RIZZERIO ALEXANDER**  
II MECH



*Shirley  
Christabel*

**SHIRLEY CHRISTABEL**  
II IT

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