Department of CSE

ESPERANZA

VJEC
K A N N U R

Vision

To contribute to the society through excellence in scientific and knowledge-based education utilizing the potential of computer science and engineering with a deep passion for wisdom, culture and values.

Mission

To promote all-round growth of an individual by creating futuristic environment that fosters critical thinking, dynamism and innovation to transform them into globally competitive professionals. To undertake collaborative projects which offer opportunities for longterm interaction with academia and industry.
To develop human potential to its fullest extent so that intellectually capable and optimistic leaders can emerge in a range of professions.

INSIDE THIS ISSUE:

COMPUTER SCIENCE & ENGINEERING

HOD'S DESK

DEPARTMENT OF CSE

Dear Readers,

I am delighted to present to you the latest edition of Esperanza. This issue is particularly significant as it marks the farewell to our esteemed 2019-2023 batch. To all the graduating students, I want to express my heartfelt congratulations and wish you all the best in your future endeavours. Remember, you have the power to shape the future you desire. Keep striving, working hard, and dreaming big. The Department of Computer Science and Engineering is confident that you will go on to achieve great success and become our valuable alumni.

I would like to extend my heartfelt congratulations to Kiran P P (2019-'23 CSE B-batch) for discovering the Apple web server vulnerability. You have shown your greatness of character by dedicating your achievement to our dear Nirmal Shaju. You have made the institution and the department proud by your achievement.

In this edition of Esperanza, we bring you glimpses of Asthra '23, our annual arts fest that witnessed remarkable participation and showcased exceptional talent. Additionally, we shine a spotlight on the Faculty Development Program, titled "AI/ML," which was organized by our department. This program aimed to enhance the knowledge and skills of our faculty members in the rapidly evolving fields of Artificial Intelligence and Machine Learning. We believe that empowering our faculty with the latest advancements in these areas will greatly benefit our student community.

Furthermore, I would like to extend my sincere gratitude to the dedicated staff members and students of our department who tirelessly worked toward the NBA (National Board of Accreditation) visit in the past month. Your hard work, commitment, and attention to detail are truly commendable. Let us hope that our department maintains its NBA accreditation in the coming years as well, a testament to our commitment to academic excellence and quality education.

"The world belongs to those who read"- Rick Holland. Readers, I hope you find this issue of Esperanza informative and inspiring.

WORKSHOP

Organizing a
workshop on "Building RDBMS Applications".

VIMAL JYOTHI ENGINEERING COLLEGE
JYOTHI NAGAR, CHEMPERI – 670632, KANNUR, KERALA
ACCREDITED BY IEI, NBA & NAAC • ISO 9001:2015 CERTIFIED
AFFILIATED TO KTU • APPROVED BY AICTE

Department
Of
Computer Science And Engineering

WORKSHOP ON

BUILDING RDBMS APPLICATIONS

29TH APRIL 2023
1.00 PM - 4.00 PM
VARIKKAT HALL

Faculty Coordinators:
Dr. Jeethu V Devasia
Ms. Tintu Devasia
Ms. Rahna C M

Resource person:
Mr. Joshua Mathew S8 CSE
Mr. Albert Tom George S6 CSE
Mr. Vaishnav Krishna S6 CSE
Mr. Geo Nobins S6 CSE

Convenor
Divya B
(HOD CSE)

"Intro to C:" A beginners workshop

DEPARTMENT OF CSE
ACM STUDENT CHAPTER

INTRO TO C: A BEGINNER'S WORKSHOP

SPEAKERS

PROF. NEETHU SUJITH, ACM KOLLAM CHAPTER
PROF. SUMITH S, ACM KOLLAM CHAPTER

22-23 MAY 2023
09:00 AM - 04:00 PM

CO-ORDINATORS
MS. NEENA V V, AP CSE
MS. NAYANA SURESH, AP CSE

CONVENOR
MS. DIVYA B
ASSOC.PROFESSOR,HOD CSE

Student Achievements

Apple web server security acknowledgements

It is with a sense of pride and admiration to highlight the exceptional accomplishments of Kiran P P (LVML19CS118), a student in S8 CSE-B (2019-2023 Batch) for discovering security vulnerabilities in Apple's products and servers. What makes this achievement truly noteworthy is that Kiran dedicated this achievement to the memory of his beloved friend, Nirmal Shaju (S8 CSE-B 2019-2023 Batch) who tragically passed away.

Apple web server security acknowledgements

Apple publishes this article to acknowledge and thank those who reported potential security issues in our web servers. Credit is added after the issue has been identified and addressed.

For Apple web server security acknowledgements from previous years, see the end of this article.

Credits

May 2023

- Abdelkader Mouaz (Hamzadzworm)
- Abderaouf Behouch, NN. Farhat Abbas University
- Abdul Riyaz (@AbdulriyaziN) - Sivagangai
- Abdullah Mudzakir
- Abhay Kailasia
- Abison Binoy
- Ahmed Nasr
- Aidan Preston
- Ali Alzahrani (@Mr3lii)
- APT-101(@gandolf1010)
- Bruno Menna
- Can Acar
- d0xing
- Drake Jordan
- Fat Selimi (@fattselimi)
- G Bharath kalyan
- Giraffe
- Huynh Thong (sysr00t)
- Imran Hossain (@s41n1k) & Mohammad Ansar Uddin (@Ansar0047)
- Jagdish Bharucha (@JagdishBharucha)
- Khaled Mohamed (@0xElkomy) & Zeyad Abdelazim (@AzimaZeyad)
- Kush Sehra (@infosec1999)
- LawSoul from SentinelX (Cyber Security Unit - CMC Telecom)
- Luthfi Bia Susilo Putra - BNI ERM
- Martin Herancourt
- Max Karpovich (QA Analyst at DreamTeam Apps)
- Mohd Ali @revengerali Of Muffakhamjah College Of Engineering
- Nguyen Van Hung (Itachi22) from SentinelX (CMC Cyber Security RedTeam)
- Nirmal Shaju of Vimal Jyothi Engineering College, Chemperi, Kannur
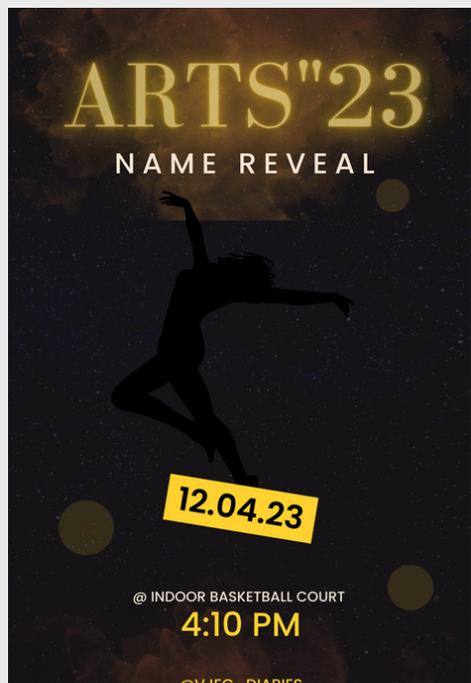- Nuswantara Gading Alfa Putranto

EVERY ACHIEVEMENT IS A SERVITUDE. IT COMPELS US TO A HIGHER ACHIEVEMENT.
- ALBERT CAMUS

GreetingIdeas.com
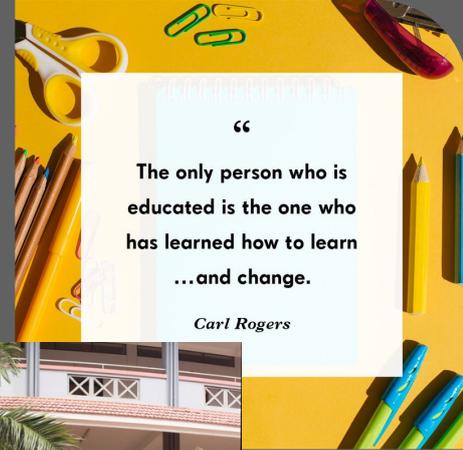
Arts Fest - Asthra 23

ASTHRA-23, an arts fest of the college, was organized on April 24,25 with the help of students, staff members and management. All the students participated in various events and many of them put up award-winning performances.

VIMAL JYOTHI ENGINEERING COLLEGE, KANNUR

ASTHRA "23
ARTS FEST

ARTS"23
NAME REVEAL

12.04.23

@ INDOOR BASKETBALL COURT
4:10 PM

ASTHRA "23
ARTS DAY

VIMALJYOTHI ENGINEERING COLLEGE
ARTS FEST

ASTHRA 2³
APR 24-25

Farewell
Final Year Students (2019 - 2023 batch)

Congratulations, and best of luck in your future endeavors..!

"
The only person who is educated is the one who has learned how to learn ...and change.

Carl Rogers

Here's wishing you a **Future** filled with Success and Prosperity.

Achievements of the Department

Mr. Rijin I K successfully Completed the Certified Blockchain Associate Program offered by the Kerala Blockchain Academy.

Congratulations!

Tomorrow's World Through Today's Education

FDP

Ms. Divya B as a resource person for the Faculty Development Program on OBE Philosophy & Practice organized by the Internal Quality Assurance Cell, Vimal Jyothi Engineering College,

Ms. Divya K attended six days FDP on "BLOCKCHAIN TECHNOLOGY" organised by the Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, Vadapalani.

All CSE faculties are Participated in FDP on, OBE Philosophy & Practice organized by the Internal Quality Assurance Cell, Vimal Jyothi Engineering College,

All CSE faculties are Participated in FDP on, AI/ML organized by dept. of CSE, Vimal Jyothi Engineering College,

FACULTY DEVELOPMENT PROGRAM ON AI/ML

May 11, 12

RESOURCE PERSON

BINIL KURIACHAN
SR. APPLIED SCIENTIST
MICROSOFT

Binil Kuriachan is a Sr. Applied Scientist at Microsoft (R&D) working on Cybersecurity Research with more than 10 years of industrial experience specialising in AI/ML. He has done his master's in computer science from Arizona State University, USA and pursued research in information systems from IITM. Binil has handled multiple AI projects comprising of natural language processing, information retrieval, personalization, supply chain, geospatial modelling, cybersecurity etc. in his industrial career. He is an expert in designing and building scalable machine learning and deep learning pipelines. Binil has 7 research papers and 20+ certifications in Machine Learning, Deep Learning, Data Structures, Algorithms etc. to his credit.

WORKSHOPS / WEBINAR

Mr. Rijin I K as Resource person for the Workshop Mastering Technical writing

And also for the Workshop Unlocking the Power of LaTeX

New Faces

Dr. Vadhana Kumari
Professor

Ms. Remitha
Assistant Professor

NBA

Our team exemplified exceptional coordination and invested considerable time and effort during the visit of the NBA experts on June 16th and 17th and hoping to reach a successful outcome. Ms. Divya B & Ms. Vidhya S S, they demonstrated diligent dedication and successfully coordinated the collaboration of all staff members.

NATIONAL BOARD OF ACCREDITATION

PROGRAM OUTCOMES

- **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering Fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **Design/ Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- **Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change
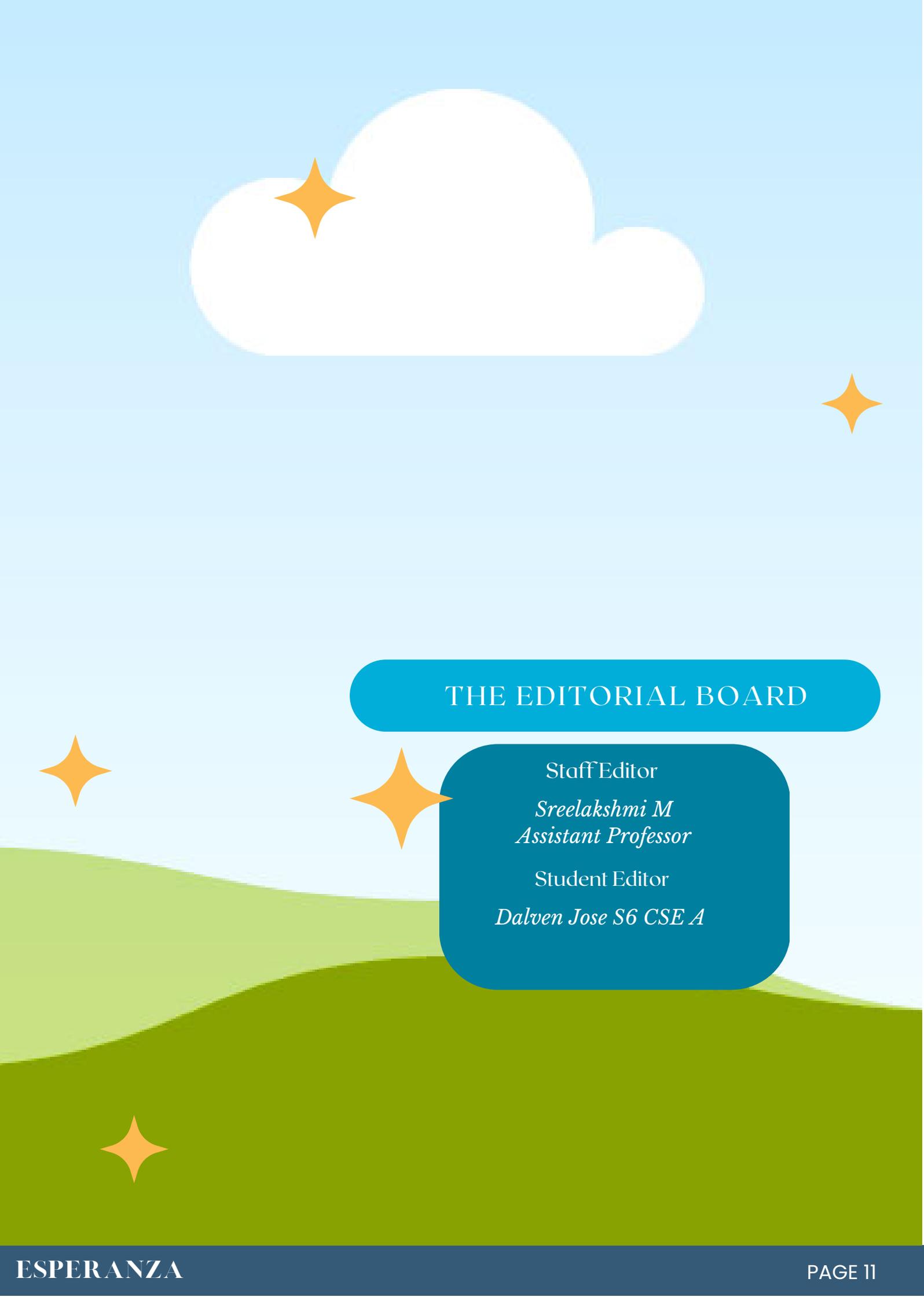
PROGRAM SPECIFIC OUTCOMES

- An ability to apply development principles to analyze and design complex software and systems containing hardware and software components of varying complexity.

- An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the trade-offs involved in design choices.

PROGRAM EDUCATIONAL OBJECTIVES

- Graduates will achieve broad and in-depth knowledge of Computer Science and Engineering relating to industrial practices and research to analyze the practical problems and think creatively to generate innovative solutions using appropriate technologies.

- Graduates will make valid judgement, synthesize information from a range of sources and communicate them in sound ways appropriate to their discipline.

- Graduates will sustain intellectual curiosity and pursue lifelong learning not only in areas that are relevant to Computer Science, but also that are important to society.

- Graduates will adapt to different roles and demonstrate leaderships in global writing environment by respecting diversity, professionalism and ethical practices.

THE EDITORIAL BOARD

Staff Editor

Sreelakshmi M
Assistant Professor

Student Editor

Dalven Jose S6 CSE A