



VOL | ISSUE 1 | 2022

# CODE CHRONICLES

A NEWSLETTER OF DEPARTMENT OF  
COMPUTER SCIENCE AND ENGINEERING



**AHALIA**



**SCHOOL OF ENGINEERING & TECHNOLOGY**

ISO 9001:2015 Certified Institution. Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University  
Ahalia Health, Heritage & Knowledge Village, Palakkad - 678557. Ph: 04923 226666, [www.ahalia.ac.in](http://www.ahalia.ac.in)

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# **AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY (ASET)**

## **ABOUT**

Ahalia School of Engineering & Technology (ASET), Palakkad, an ISO 9001:2015 certified institution, is approved by All India Council for Technical Education (AICTE) and is affiliated to the A. P. J. Abdul Kalam Technological University, Kerala. We provide world-class technical education and training in the fields of Science, Engineering, Technology and Management to meritorious students from diverse socio-economic backgrounds. The college is located in a lush green campus with a beautiful view of the Western Ghats. It provides a peaceful and congenial atmosphere, ideal for students for their overall holistic development. Ahalia School of Engineering and Technology offers five Bachelor of Technology (B.Tech.) courses in Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering, that is complemented by various co-curricular and extra-curricular activities. ASET is one of the several institutions in Ahalia Campus.

## **VISION**

Grow as a center of learning and research, transforming students to professionals with knowledge, skill, competence, commitment, confidence through decisive learning and contribute to the sustainable development of the society.

## **MISSION**

- To instil technical expertise in order to address current and emerging challenges in the quest for creating sustainable and high-quality livelihoods.
- To foster a culture of research, innovation, and entrepreneurship through determined learning.
- To promote an environment that supports the welfare of society through ethical and professional conduct.

# Message From Principal



I am very happy that dept of computer science is bringing out this newsletter. It is my pleasure to present to you the new issue of "CodeChronicles" covering various events and achievements of the students, faculty members, staff and alumni of CSE dept. We have conducted technical workshops, hands on sessions and expert sessions over these time period, which have brightened the young minds, so that they are ready to face the challenges ahead.

I am very happy and proud to note that the staff and the students have actively taken part in various academic, sports, cultural and research activities. In the days to come, staff and the students should try their best to learn advancements in AI, quantum computing, edge computing and programming for robotics. My heartiest congratulations to all of them for the wonderful achievements. Wish you a happy reading.

**Dr. Dr. PR Sreemahadevan Pillai - Principal**

# Message From HOD

Dear Students,

It gives me immense pleasure to reach out to you all through this edition of our student magazine. I am proud to witness the incredible enthusiasm, innovation, and dedication each one of you brings to the Computer Science and Engineering (CSE) department. Your curiosity, hard work, and continuous drive for excellence are what make our department a thriving hub of learning and growth.



As we move forward in this rapidly evolving world, technology continues to shape every aspect of our lives. We are witnessing transformative advancements in areas such as Artificial Intelligence (AI), Machine Learning (ML), Blockchain, the Internet of Things (IoT), Quantum Computing, and Cybersecurity. These are no longer concepts of the future, but technologies that are actively shaping the present and demanding new skill sets. I encourage each one of you to explore these fields, stay updated, and actively engage with them in your projects and research work.

Ahalia School of Engineering and Technology College is committed to providing the best platform for you to build your future. With the introduction of newer technologies and collaborations with industry, we aim to equip you with the tools to innovate and lead in your careers. I urge all students to take advantage of these opportunities and strive to become pioneers in this dynamic and ever-evolving field.

Remember, learning is a lifelong journey, and the best way to predict the future is to create it. I wish you all the very best in your academic endeavors, and I look forward to seeing the remarkable achievements and contributions you will bring to the world of technology.

**Dr. S. Gunasekaran**  
**Professor, Head of Department - CSE**

# COMPUTER SCIENCE AND ENGINEERING

## ABOUT

The Department of Computer Science and Engineering at the Ahlia School of Engineering and Technology, Palakkad was started in the year 2012 at the time of starting of the engineering college and provides an outstanding academic environment complimented by excellence in teaching. The department offers B.Tech degree. The Department has a comprehensive syllabus on topics covering all the aspects of computer hardware and software with an emphasis on practical learning. The course structure includes courses on latest topics to equip our students with the latest developments in computer science and engineering.

## VISION

To develop computer science engineers with knowledge, computing skills and empowering them to excel in their profession through performance-based learning contributing to sustainability, well-being of the society and professional ethics.

## MISSION

- To implement effective outcome-based education that fosters the development of competent and skilled graduates, empowering them to promote and adopt sustainable practices.
- To provide students with opportunities to engage in advancements in computer science and engineering through interdisciplinary research, collaborative projects that encourage innovation and entrepreneurship.
- To cultivate a sense of ethics and emphasize awareness of social, legal, and professional conduct adhering to the standards of ethical and professional behaviour.

# PLACEMENTS

**Congrats On  
Getting Placed At**



Nikhil M



Drishya P



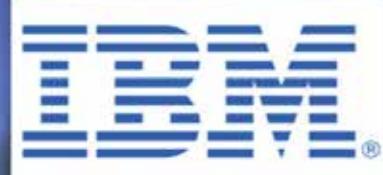
Akshith K M

CSE

2018 - 22 Batch

## CONGRATULATIONS

ON GETTING PLACED AT



AKASH R

2019 - 23

Computer Science and Engineering

# Congrats On Getting Placed At



Shabin T A

Computer Science and Engineering  
2019-23



Sarath M

Computer Science and Engineering  
2019-23



Thejas S

Computer Science and Engineering  
2019-23

*Congratulation*  
For getting placed at



Rahul S  
2019-23 CSE

# CONGRATULATIONS

ON GETTING PLACED AT



**Selman S**

2019 - 23

Computer Science and Engineering

# CONGRATULATIONS

ON GETTING PLACED AT



**SHIBIN T A**

2019 - 23

Computer Science and Engineering

Congratulations to our students for being placed @



**Ullas A. P.**  
B. Tech - CSE  
(2018 - 22)



**Sanjay S.**  
B. Tech - CSE  
(2018 - 22)

# CONGRATULATIONS

ON GETTING PLACED AT



FACE Prep



Roopak C M  
2019 - 23  
CSE



Sabarish R  
2019 - 23  
CSE



Akshay R Nair  
2019 - 23  
CSE



Sree Chithra S  
2019 - 23  
CSE



Aswin U  
2019 - 23  
CSE

*Congratulation*  
For getting placed at



TEAM WAVES



Selman S  
2019-23 CSE

# Congratulations

FOR GETTING PLACED AT



Devaraj R



C U Sreyas



Akash R

COMPUTER SCIENCE AND ENGINEERING  
2019-23

# Congratulations!

*On Getting Placed at*



*joy of Banking*

*Job Title :- Executive Trainee-IT*



Drisya K

2019-23 Batch  
CSE



Dharani T

2019-23 Batch  
CSE



Shabin T A

2019-23 Batch  
CSE

# CONGRATULATIONS

ON GETTING PLACED AT



2019 - 23  
Computer Science and Engineering



ASWATHY R



SABARISH R



AROMAL A K



ROOPAK C M



HARIHARAN M



DHARANI T



DRIYSA K



NIJA A S



JAGAN C K



RESHMA G



BHAVANA A



ANANDU R



NIRANJAN A



VISHNU K



VISHNU R



AFIYA MOL



RAHUL S



SISIRA R NAIR



SREECHITRA S



JISHNU K

# Congratulations



**Prabanch C V**  
B.Tech ( 2018-2022)  
Computer Science & Engineering

Offered placements at

**Atos Syntel**



**Akshay K. S.**  
B. Tech - CSE  
(2018 - 22)

@  
Placed



**Mindtree**



CONGRATULATIONS FOR  
GETTING PLACED AT  
INFOSYS



# ARTICLES

## 'GENDER NEUTRALITY' IS INDEED A HOMECOMING..!

Each time this planet earth transitions into a new phase, we the humans, the evolved inhabitants of this buoyant planet too gets pulled into this transition phase in an even bigger way and this is remarkably evident in all walks of life starting from the technological surges that the world has been witnessing, the economic prosperity the world has embraced, the spiritual and moral ascendance of the countrymen and of late the cultural progression that dissolves the stubborn and irrational boundary of gender discrimination - Gender neutrality. The so called 'gender wall', perhaps should have been the one that got demolished much earlier than the Berlin wall in all the rightful sense. Irrational gender discrimination and categorical polarization has taken a heavy toll on the growth and evolution of this world and this would wreak havoc if unchecked, luckily the entire world seems to have opened their eyes and kept it wide open too that was once kept wide shut with the thick blindfold of prejudice and discrimination.



Anand Haridas  
Asst Prof. - CSE

The world has started transitioning, briskly for the good and we are in the best our times and it can only get even better from here. As the world sways into yet another chapter the acme for this year and subsequent years is going to be the gender neutrality. Gender neutrality had started creating ripples across the world much earlier itself and now this ripple has cast its captivating spell in our nation too, rather the 'ripple effect' is here to be sensed by us. And in the coming years the world would witness the transmutation of this ripple into a surging wave that would eventually swallow the entire planet. Perhaps some deluges are for the good, so is gender neutrality. A gender neutral state is indeed a progressive one; it leads to a future that would be liberating in all sorts. Rather they would create an unbounded existence that would accelerate the evolution of human race in an unprecedented manner. And that day is not very far when 'comprehensive gender neutrality' would find its way into the happiness index parameters that would determine the progressiveness and prosperity of a nation.

Gender neutrality could rightly be classified as a byproduct of its predecessor -Gender equality. The struggle for Gender equality could be one of the oldest and longest fought wars in the history of mankind that has mutated many a times over the course of decades. Though most of the times this battle was non vocal and dormant, it has remained as a potential epoch maker. The equality notion, has paved the way for the establishment and the subsequent flourishing of an undifferentiated commune in a big way that has started thriving happily rather in a content way and this state of contentment, when all the living beings are merged into the oneness of existence is perhaps the ultimate destination that can be aspired for.

A heightened sense of gender neutrality would indeed be a homecoming of sorts as we the humans are not the physical body rather we are the souls and souls belong to the spiritual world and souls are here on this material world called planet earth temporarily for a purpose and would eventually return to the spiritual world rather would merge into the oneness of the spiritual world once the mission is fulfilled. The highest realm of spiritual world doesn't have any discriminatory instincts; rather they are genderless in thoughts and deeds. The inhabitants of the spiritual world, the pure souls, are strictly gender less rather the pure soul doesn't have any gender they are strictly 'uni'.

The actions of the souls when they were alive on this planet earth in the identity of a human has lead to the creation of the inevitable baggage what is often referred to as the 'soul burden' and these soul burdens determines the gender and the subsequent physical body into which a soul is forced to get into over subsequent incarnations. But, not is the case with an earth bound soul. An earth bound soul is a heavily burdened soul and therefore it still has a gender identification associated with it and they are bound by their worldly acts, and are thus forced to remain in a state of limbo in the various realms of this material world. These souls are perhaps equipped with a unique ability- to possess and manipulate humans. And this would largely explain the reasons behind a catastrophe our world is increasingly witnessing in the present times that of -Gender dysphoria...

(The views expressed here are personal)

# Generative AI Beyond Chatbots: Real-World Applications Shaping Our Future



**Suhara Fathima S**  
**(2018-22)**

Generative AI represents a transformative shift from simple task automation to a powerful form of human augmentation, extending its impact far beyond conversational chatbots to reshape the foundational structures of healthcare, engineering, and education. By learning patterns from vast datasets to generate novel, meaningful outputs, this technology is accelerating the pace of drug discovery through molecular simulations, enhancing medical diagnostics via high-precision imaging, and personalizing treatment plans for better patient outcomes. In the creative and industrial sectors, AI acts as a sophisticated partner that assists designers and engineers in optimizing everything from architectural prototypes to sustainable manufacturing components, allowing human creators to focus on high-level logic and intent while reducing material waste. Software engineering is seeing a similar evolution, where AI-driven code generation and testing tools elevate the developer's role from manual coding to system architecture and critical problem-solving. Furthermore, in education, the technology offers the potential for deeply personalized learning companions that adapt to individual student needs, provided it is integrated with a focus on curiosity and mentorship rather than just content delivery. As these systems become more integrated into our global infrastructure, the focus must shift toward ethical responsibility—addressing challenges in data privacy, bias, and academic integrity—to ensure that the future of AI is defined by transparency and social benefit rather than just technical capability. Ultimately, for the next generation of engineers and professionals, the true challenge lies in guiding this powerful tool with a framework of ethics and curiosity, ensuring it remains a constructive force that reflects human values while expanding the boundaries of what is possible.

# Cloud Computing: The Invisible Infrastructure Powering the Digital Era



**Sarath Mukundan A**  
**(2018-22)**

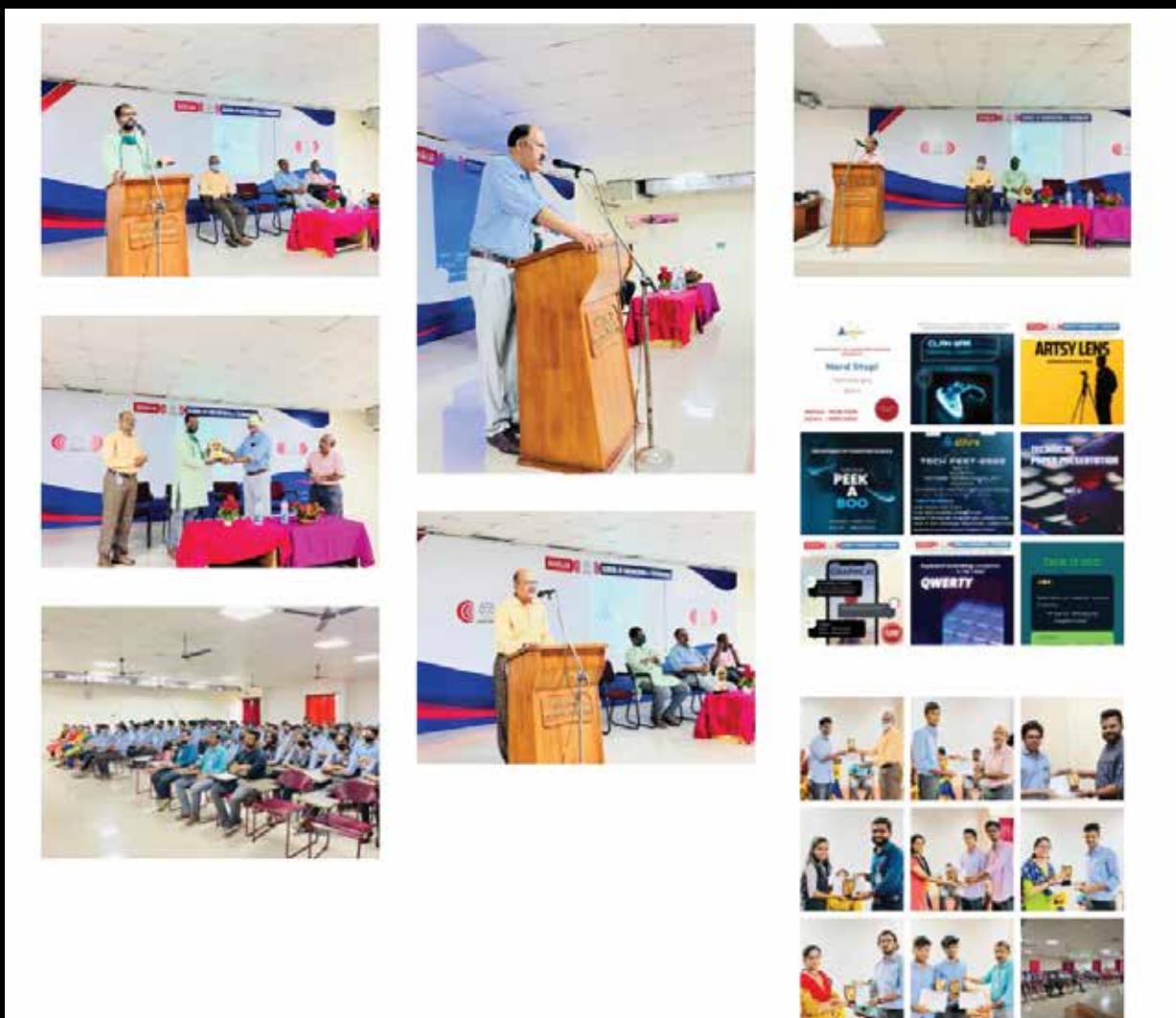
Cloud computing represents a profound paradigm shift in the history of information technology, moving away from the rigid constraints of physical ownership toward a dynamic, distributed model of on-demand utility that functions as the invisible backbone of the global digital economy. Over the last twenty years, the industry has transitioned from localized server rooms to a vast, layered architecture—encompassing Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS)—which allows organizations to provision computational power, storage, and complex applications within minutes rather than months. This democratization of technology has been particularly revolutionary for startups and academic institutions, as it eliminates the prohibitive upfront costs of hardware and maintenance, allowing researchers and developers to focus entirely on high-level innovation and problem-solving. Beyond the corporate sector, cloud infrastructure quietly powers the daily essentials of modern life, from digital banking and streaming media to the virtual laboratories and remote learning platforms that have become vital in contemporary education. However, this shift to remote, shared resources introduces complex challenges regarding data privacy, cybersecurity, and the "shared responsibility" model between providers and users, necessitating a new ethical framework for digital governance. As we look toward the future, the integration of edge computing, serverless architectures, and AI-driven automation promises to further reduce latency and increase efficiency, ensuring that the cloud remains the fundamental platform for digital creativity. For the academic community and future professionals, mastering these systems is no longer optional; it is a prerequisite for navigating a world where the most powerful technologies operate silently in the background, abstracting technical complexity to unlock unprecedented human potential for connectivity and progress.

# CSE EVENTS

# ASSOCIATION DAY CELEBRATION

## “ASTRA 2K22”

The Department of Computer Science and Engineering organized Association Day Celebration “ASTHRA 2K22” on National Technology Day (11.05.2022). The Inauguration Ceremony of the celebration was conducted at ASET Seminar Hall I. The programme started at 9:30 a.m. Ms. Drishya K, Student Representative of CSE Association delivered the Welcome Speech. The ceremony was presided over by Dr. P. R. Sremahadevan Pillai (Principal – ASET & Director – Ahlia Group of Institutions). Dr. Deepak Rajendraprasad (Asst. Professor, IIIT Palakkad) inaugurated the Association Celebration activities. Dr. S. Gunasekaran (HoD/CSE) and Dr. R. Sivakumar (Professor/CSE) felicitated the gathering. The inauguration ceremony concluded with a Vote of Thanks by Mr. Akshay K.S. (Student Representatives). After that, final year CSE students organized various technical and non technical competitions for students of ASET. The major events were Technical Quiz, Debugging, UI/UX Design, Keyboard scrambling and Photography contest. The fun events conducted were gaming, dark room, talent hunt etc. The programme ended at 4:15 p.m. with prize distribution.



# **SESSION ON “CYBER HYGIENE: STAY SAFE ONLINE”**



## **Cyber Hygiene: Stay Safe Online**

### **Resource Person**



**Dr. S. Gunasekaran**  
Professor & Head,  
Dept. of Computer Science & Engineering,  
Ahalia School of Engineering & Technology

Date: 05 December 2022  
Time: 2:30 p.m. to 3:30 p.m.



**Ahalia Public School**

**AHALIA**  **GROUP OF EDUCATIONAL INSTITUTIONS**

Ahalia Health, Heritage and Knowledge Village, Palakkad - 678557, Kerala  
Ph: 04923 220666 Email: [academics.outreach@ahalia.ac.in](mailto:academics.outreach@ahalia.ac.in) Web: [www.ahalia.in](http://www.ahalia.in)

**Dr. Gunasekaran, Professor & HoD, Dept. of Computer Science and Engineering, Ahalia School of Engineering and Technology handled a session for the students of Ahalia Public School on 5 December 2022. He briefed about the ways cyber crimes occur and how they can safeguard themselves from such traps.**

# ONE DAY WORKSHOP ON INDUSTRY APPLICATIONS OF ROBOTICS

The Department of CSE organized a one day workshop on "Industry Applications of Robotics" on 09.05.2022 in association with IIC and IEDC ASET. The workshop was led by Mr. Niranjan SDR, Founder & CEO of Mukkudal Robotics Ltd., Coimbatore. The program was inaugurated by Dr. S.Gunasekaran (HoD, CSE). After that the first session started with an Introduction to Robotics. The second session was focused on discussions on Industry Applications of Robotics. The third session included demonstration and hands-on training of EV3 Lego Robot with the familiarization of the programming environment in LabView. The workshop concluded with the vote of thanks by students representative Ms. Archana.



**Industry Applications of Robotics Workshop** To provide hands-on technical training, the department collaborated with IIC and IEDC ASET to organize a workshop titled "Industry Applications of Robotics" on May 9, 2022. Led by Mr. Niranjan SDR, Founder & CEO of Mukkudal Robotics Ltd., the workshop transitioned from theoretical introductions to specific industrial discussions. Students participated in a practical session involving the demonstration and hands-on training of EV3 Lego Robots, where they became familiar with the LabView programming environment.

# **EMERGING TECHNOLOGIES: INTRODUCTION TO BLOCKCHAIN**

Department of Computer Science  
**AHALIA** COLLEGE  
SCHOOL OF  
ENGINEERING & TECHNOLOGY



Presently Seminar in

Emerging Technologies: Introduction to Blockchain

Resource person



**Maharaaj M**

Founder & CEO

SECURE TECHNOLOGIES PVT LTD

28<sup>th</sup> Sep 2022

1:15pm

Seminar hall



# WEBINAR: "IMPORTANCE OF SKILLING AMONG YOUTH"



THE ASET ALUMNI ASSOCIATION HOSTED AN INSIGHTFUL WEBINAR FOCUSED ON THE "IMPORTANCE OF SKILLING AMONG YOUTH". THE SESSION WAS LED BY MS. ANAGHA C.M., A DISTINGUISHED ALUMNA FROM THE B.TECH CSE 2012-16 BATCH. DRAWING FROM HER PROFESSIONAL EXPERIENCE AS A PROGRAMME MANAGER FOR THE ASAP CALICUT TEAM, SHE PROVIDED VALUABLE PERSPECTIVES ON THE ESSENTIAL SKILLS REQUIRED FOR THE MODERN WORKFORCE.

# WORKSHOP ON : ARTIFICIAL INTELLIGENCE



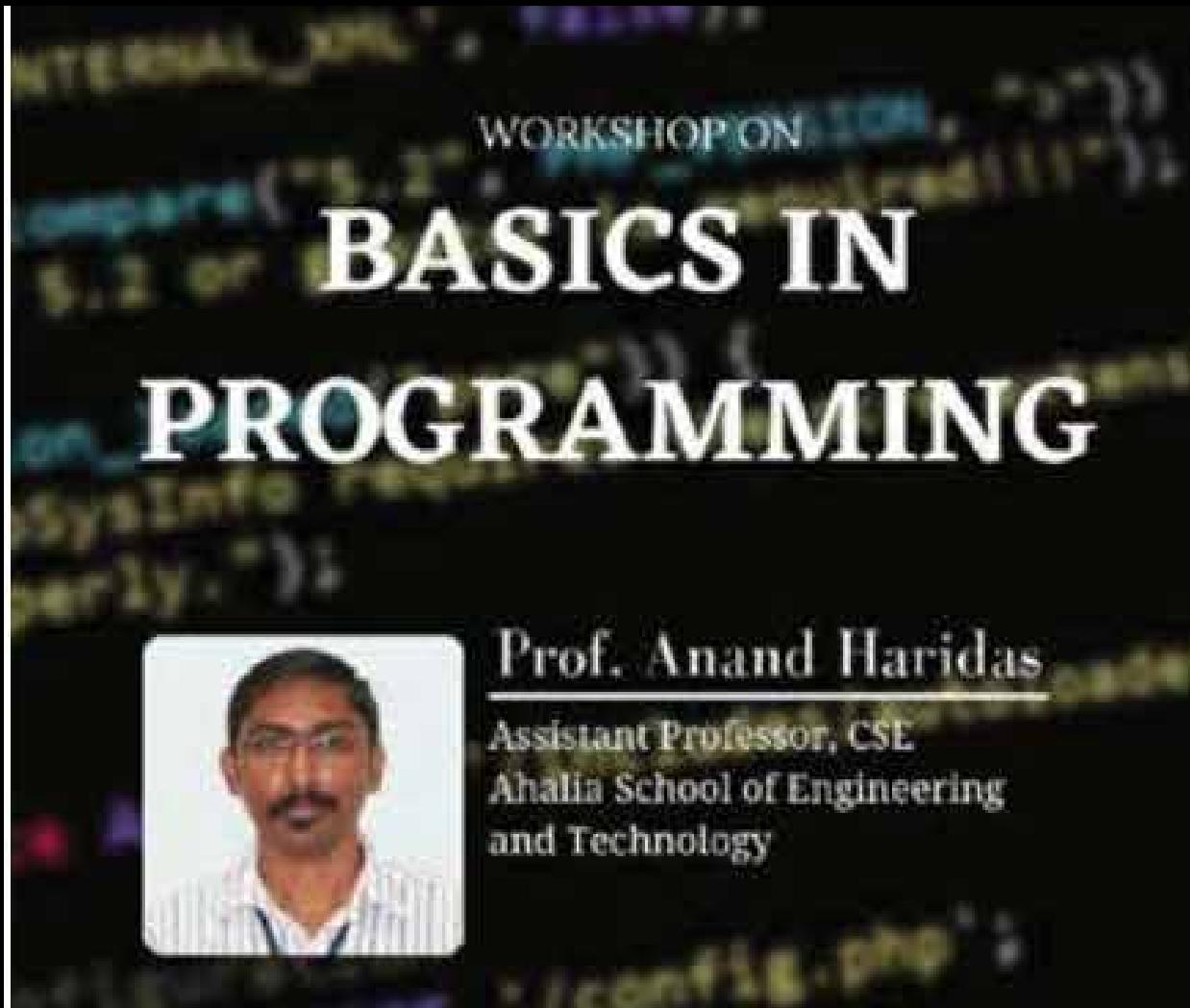
**ASET IEDC ON FEBRUARY 9TH, 2023 CONDUCTED A WORKSHOP ON ARTIFICIAL INTELLIGENCE (AI) FOR FIRST YEAR CSE STUDENTS. THE SESSION WAS HELD IN VISWESARAYA HALL FROM 9:30 A.M. AND IT CONTINUED TILL 12:30 P.M. THE FIRST SESSION WAS HANDLED BY WHO GAVE AN INTRODUCTION TO AI AND EXPLAINED THE IMPORTANCE OF AI IN DAILY LIFE. THE SECOND SESSION WAS HANDLED BY MR. THANVEER WHO MOTIVATED THE STUDENTS AND HELPED THEM TO KNOW MORE ABOUT AI THROUGH HIS INTERACTIVE WAYS. LAST SESSION WAS HANDLED BY MR. YADHU KRISHNA WHO SPOKE ABOUT STARTUPS AND HOW SOFT SKILLS AS WELL AS PROGRAMMING SKILLS ARE NEEDED FOR A STARTUP. STUDENTS THOROUGHLY ENJOYED THE WORKSHOP AND POSITIVE FEEDBACK WERE RECEIVED.**

# SESSION ON RECENT ADVANCEMENTS IN CYBER SECURITY



ON 27TH APRIL 2023, A PROGRAM ON RECENT ADVANCEMENTS IN CYBER SECURITY WAS ORGANISED BY THE DEPT. OF COMPUTER SCIENCE AND ENGINEERING AT VISVESVARAYA HALL FOR THE 4TH AND 6TH SEMESTER CSE STUDENTS. THE PROGRAM WAS CONDUCTED FROM 2 TO 4 P.M. THE SESSION WAS HANDLED BY SABARINATHAN MUTHU, EXECUTIVE MANAGER, GATEWAY SOFTWARE SOLUTION, COIMBATORE. THE SESSION WAS A GOOD INSPIRATION FOR THE STUDENTS WHO IS INTERESTED IN NETWORK PROTOCOLS, CYBER SECURITY TOOLS, PLACEMENT OPPORTUNITIES IN CYBER SECURITY.

# WORKSHOP ON **BASICS IN PROGRAMMING**



On November 30, 2021, the Department of Electronics and Communication Engineering at Ahalia School of Engineering and Technology successfully hosted a specialized workshop titled "Basics in Programming". Commencing at 10:00 a.m., the session was led by Mr. Anand Haridas, an Assistant Professor from the Department of Computer Science and Engineering. This interdisciplinary collaboration aimed to provide students with a foundational understanding of coding principles, bridging the gap between hardware and software expertise.

# IV to IIT Palakkad Technology IHub Foundation



On 21/12/2022, students of Ahlia School of Engineering and Technology visited the fabrication labs at IIT Palakkad Technology IHub Foundation (IPTIF), Kanjikode, Palakkad. The experts at IPTIF explained the functioning of advanced equipments for CNC cutting, 3D printing, robotic workstation etc. They got a visual treat on various ongoing projects developed at the Fablab. In total, 74 students from third year CSE Dept. and ME Dept. visited the Fablab, along with faculty members Dr. Mahima Ganeshan, AP/CE, Prof. Dhanesh S., AP/ME, Prof. Soumya S., AP/CSE and Prof. Sakhil George, AP/CSE.

# CREATIVE PARK

## Chasing Tomorrow

I'm always running, always chasing,  
The future I think will be worth facing.  
But somewhere in all this speed and noise,  
I forget to enjoy what today deploys.

There's a dream I'm reaching for,  
But I wonder if I'll get there, or want it more.  
It's the chase, not the catch, that keeps me awake,  
But it's also what makes my heart ache.

Tomorrow feels like a promise, so near,  
But sometimes I forget that today is here.  
Maybe the trick is not to run so fast,  
To learn from the present, and make it last.

POET

**ROSHAN SANU**

ASSIST. PROF. CSE



# STUDENT ACHIEVEMENTS

62nd Palakkad District  
Athletics Championship

*Congratulations*

**FIRST PRIZE IN  
UNDER 20 MEN SHOT PUT**

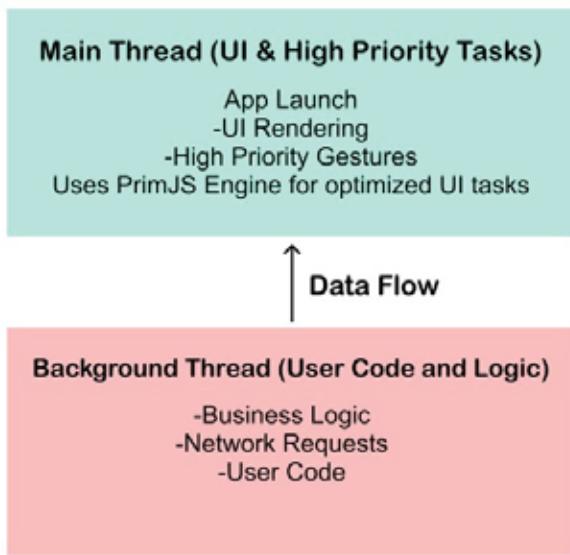


**SIBIN BABU**  
**S3 CSE**

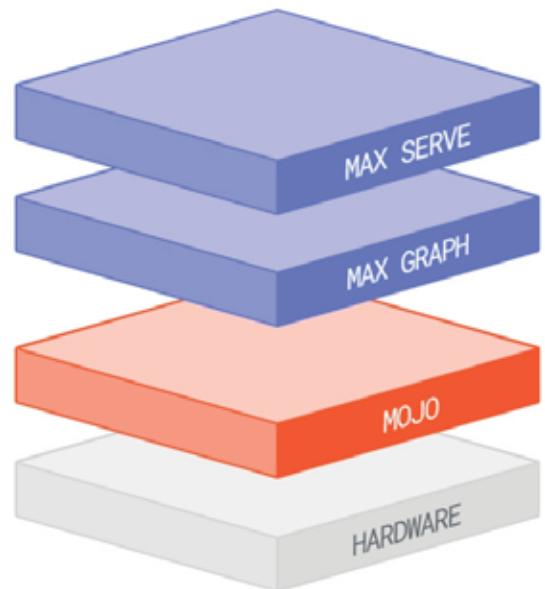
Best Wishes from Management, Staffs & Students..!

# TECH ZONE

## “LYNX: BYTEDANCE'S NEXT-GEN CROSS-PLATFORM FRAMEWORK”



MAX Graph is a Python interface to compose kernels into state of the art models, which are delivered through industry-standard REST APIs by MAX Serve



ByteDance, the company behind **TikTok**, has introduced Lynx, a cutting-edge, Rust-powered JavaScript framework designed to revolutionize cross-platform app development. Lynx empowers developers to create native user interfaces for Android, iOS, and web platforms using a single codebase, streamlining the development process and ensuring consistent performance across devices.

Lynx takes a modern, web-native approach to design thinking and component architecture. Unlike React Native, which forces developers to adapt to its JSX-based styling and component structure, Lynx embraces true CSS support, declarative UI building, and a flexible component model that is closer to web development.