



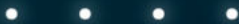
ALBERTIAN INSTITUTE
OF SCIENCE AND
TECHNOLOGY



അക്ഷരം

2023 - 2024

*" We make
Engineers,
not just
Engineering
graduates. "*



OUR HEAVENLY PATRON



ST. ALBERT THE GREAT



Vision

To be a centre of excellence for professional education and related services creating technically competent and ethically strong innovative minds committed to the growth of the nation and beyond.

Mission

- **We are committed to provide value based education with ample opportunities for research and industry institution interaction.**
- **We take every possible step to enhance the skills and bring out quality professionals, providing a friendly and growth oriented ambience with appropriate resources.**
- **We improve ourselves through continuous valuation and updation to meet the challenges and requirements of modern society.**



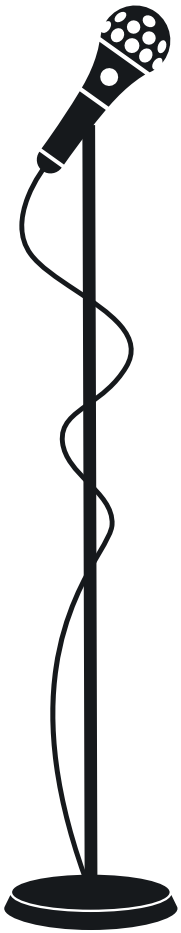
■ HIS HOLINESS ■ POPE FRANCIS



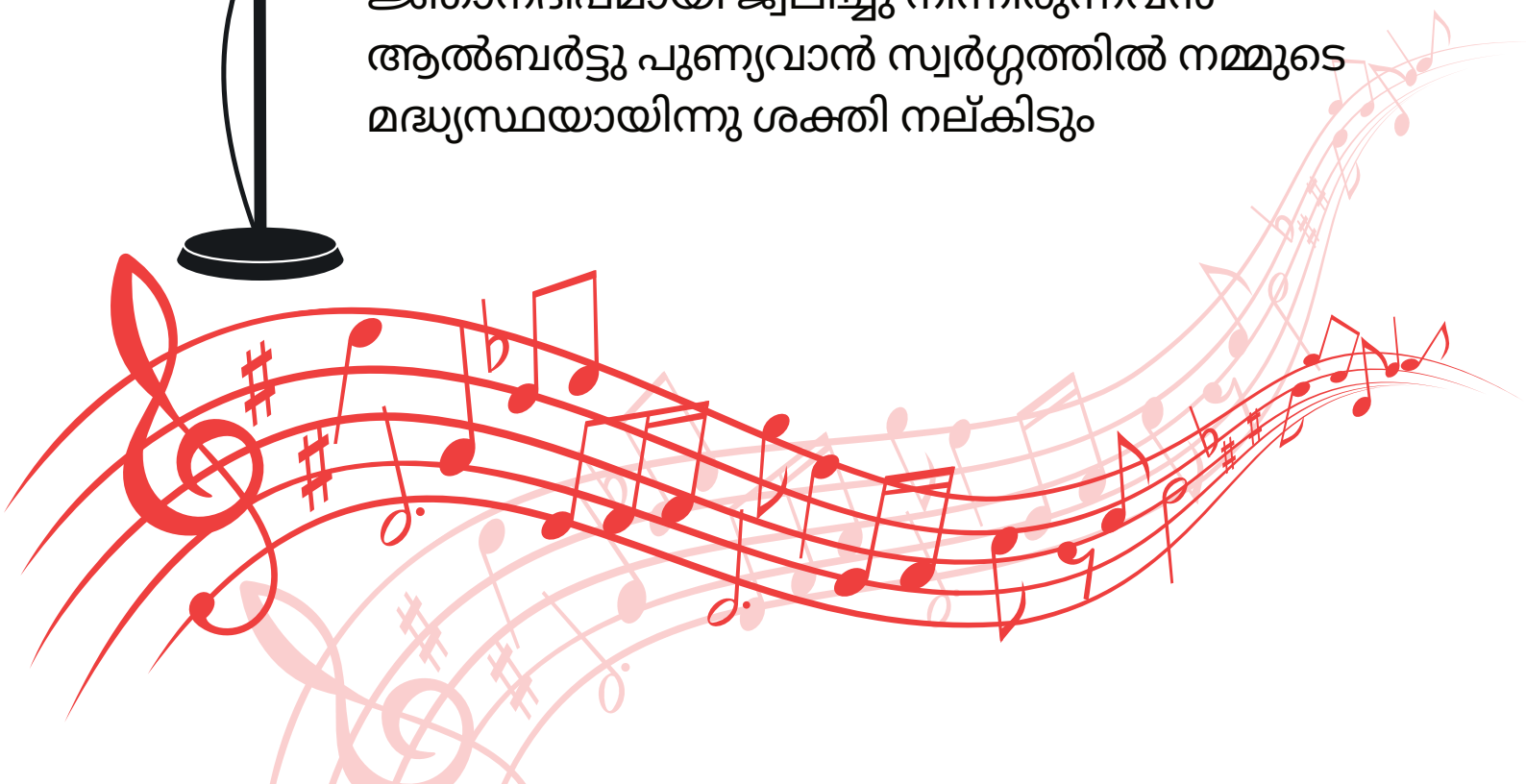
“Let us invoke the Holy Spirit each day:
He guides us along the path of discipleship in
Christ”



കോളേജ് ഗീതം...



ദേവാലയം ഈ സൽകലാലയം ശാന്ത
സൗമ്യദീപ്തമാം പുണ്യഗേഹം
ഇവിടെയൊത്തുചേരുന്ന ഞങ്ങളിൽ
ബോധപ്രകാശമായ് ദൈവമേ വരു ഭാരതമി
ഞങ്ങളുടെ ജന്മഭൂമി ഭാരതീയരെല്ലാരും
സോദരങ്ങളും സത്യത്തിലും പരം, ധർമ്മത്തിലും
ചിരം ഒന്നു ചേർന്നു വാഴുവാനേകണേ വരം
സ്വാബിധായിൽ താരമായ് വന്നുദിച്ചവൻ
ജ്ഞാനദീപമായി ജ്വലിച്ചു നിന്നിരുന്നവൻ
ആൽബർട്ടു പുണ്യവാൻ സ്വർഗ്ഗത്തിൽ നമ്മുടെ
മദ്ധ്യസ്ഥയായിന്നു ശക്തി നൽകിടും



OUR PATRON

MOST REV. DR. JOSEPH KALATHIPARAMBIL



It gives me immense pleasure to address you through the pages of our esteemed college magazine, “AKSHARA 2024”. As the patron of this distinguished institution, I feel a profound sense of pride in witnessing the remarkable journey of growth and excellence that our college has undertaken over the years.

Our college stands as a beacon of knowledge, innovation, and progress in the field of engineering education. It has been a nurturing ground for budding engineers, architects of the future, and leaders in their respective fields. The relentless pursuit of academic excellence, coupled with a commitment to holistic development, sets our institution apart.

In today's dynamic world, where technology is advancing at an unprecedented pace, the role of engineers has never been more critical. Our college equips students not only with technical skills but also with the ability to think critically, solve complex problems, and adapt to changing environments. We take pride in shaping individuals who are not just proficient in their disciplines but also possess the values of integrity, ethics, and social responsibility.

As we look towards the future, I urge each member of our college community to uphold the values and principles that define us. Let us continue to foster a culture of innovation, collaboration, and excellence. Together, let us strive to push the boundaries of knowledge and contribute meaningfully to the advancement of society.

I extend my heartfelt gratitude to the faculty, staff, students, and alumni for their unwavering dedication and contributions towards making our college a centre of excellence. Your efforts are instrumental in shaping the future of our institution and leaving a lasting impact on the world.

In closing, I extend my best wishes to all for continued success and fulfilment in your endeavors. May our college continue to shine as a beacon of knowledge and a catalyst for positive change in the years to come.



Rev Fr. Antony Vacko Arackal, Manager



As we gather together to celebrate another year of academic achievement and growth, it is with great pride and anticipation that I extend my warmest greetings to each and every member of our esteemed AISAT community. It gives me immense pleasure to address you through the pages of our esteemed college magazine, “AKSHARA 2024”

Reflecting on the past year, it becomes evident that we have traversed through both challenges and triumphs, navigating uncharted territories with resilience and determination. Our collective efforts have not only sustained the momentum of learning but have also fostered a culture of innovation and excellence.

At the heart of our institution lies a commitment to nurturing intellects, fostering creativity, and instilling a passion for lifelong learning. As the manager entrusted with steering the course of our academic journey, I am profoundly inspired by the dedication and enthusiasm exhibited by our students, faculty, and staff alike.

In today's rapidly evolving landscape, the significance of innovation cannot be overstated. It serves as the cornerstone of progress, propelling us towards a future defined by groundbreaking discoveries and transformative advancements. As members of this dynamic community, it is incumbent upon us to embrace innovation wholeheartedly, leveraging cutting-edge technologies and novel methodologies to address the myriad challenges confronting society.

As we look towards the horizon, let us reaffirm our commitment to excellence, embracing innovation as both a catalyst for change and a beacon of hope. Let us continue to push the boundaries of knowledge, exploring new frontiers and unlocking the limitless potential that resides within each of us.

In closing, I extend my sincerest gratitude to our students for their unwavering dedication, to our faculty for their unparalleled expertise, and to our staff for their steadfast support. Together, let us embark on this journey of discovery with zeal and determination, for the future belongs to those who dare to dream and innovate.

Rev Fr. Manoj Francis

Marottickal

Assistant Manager



It is with immense pleasure and gratitude that I extend my warmest greetings to all of you as we come together to celebrate another year of academic excellence and collective achievements. I extend my heartfelt congratulations to everyone involved in the making of AKSHARA 2024, and I eagerly anticipate the continued progress and achievements of our college.

As the Assistant Manager of our esteemed institution, I am continually inspired by the dedication, passion, and drive exhibited by our students, faculty, and staff. Each day presents us with new opportunities to learn, grow, and innovate, and it is truly heartening to witness the remarkable strides we continue to make in pursuit of our shared goals.

In the fast-paced world of engineering and technology, adaptation and innovation are paramount. It is incumbent upon us to remain agile, constantly evolving to meet the ever-changing demands of our field. As Assistant Manager, I am committed to fostering an environment that not only encourages innovation but also provides the necessary support and resources for our community to thrive. Our college stands as a beacon of knowledge and ingenuity, where creativity flourishes, and ideas take flight. It is within these halls that future leaders, innovators, and changemakers are shaped, and it is a privilege to be part of this transformative journey.

As we reflect on our accomplishments and look towards the future, let us remain steadfast in our pursuit of excellence. Let us embrace challenges as opportunities for growth and innovation, and let us continue to push the boundaries of what is possible. I extend my heartfelt appreciation to each and every member of our community for their unwavering dedication and contributions. Together, let us continue to inspire, innovate, and make a positive impact on the world around us.

Dr. Veena V,
Principal, AISAT



AISAT is committed to provide value-based education upholding high educational standards. During the academic year, 2023-24, UG program in Computer Science and Engineering (CSE) and Electronics and Communication Engineering (ECE) got accredited by National Board of Accreditation (NBA) for three years till June 2026. The UG program in Civil Engineering is already accredited by NBA till June 2025. The other two programs, Electrical and Electronics Engineering (EEE) and Mechanical Engineering (ME) have submitted SAR and are expecting the expert team visit. This demonstrates the institution's dedication to maintaining quality education across all disciplines.

The achievements of the batch 8 students who graduated in 2023, with their commendable results and placement offers, bring pride to the college. Ms. Evangela Henry from the Department of Civil Engineering, who secured a position among the top ten in the university by achieving a CGPA of 9.83, highlights the excellence nurtured within AISAT. The unwavering support of the management, along with the commitment of faculty and students, has undoubtedly contributed to these achievements.

AISAT provides holistic education that fosters creativity, innovation, and personal growth. The college magazine 'Akshara' serves as a testament to the passion and creativity of the students. I extend my heartfelt appreciation to the editorial team for the effort in bringing up this magazine.

As we continue our journey towards excellence, let us march forward with determination and enthusiasm, guided by the values and principles upheld by AISAT.

Prof. Paul Ansel V,
Vice Principal (Administration)



“

Akshara – our college magazine – stands as a vibrant testament to the rich tapestry of talent, creativity, and intellect that defines our institution. Over the years, it has beautifully reflected the diverse experiences, achievements, and aspirations of our students and faculty.

I am delighted to extend my warmest greetings to all of you as we embark on yet another thrilling journey of creativity, intellect, and expression with the upcoming edition of our college magazine.


This magazine is more than just a record of our academic endeavors; it serves as a dynamic platform for nurturing creativity, encouraging critical thinking, and fostering meaningful dialogue. It embodies our commitment to holistic development and our dedication to cultivating a culture of innovation and expression.

I would like to express my heartfelt gratitude to the editorial team for their unwavering dedication and hard work in bringing this publication to life. Their efforts in curating and showcasing the talent within our community are truly commendable.

May this magazine not only captivate our current community but also set a new benchmark for excellence, inspiring future generations of students to carry forward this legacy and soar to even greater heights.

”

Prof. Kanaka Xavier,
Vice Principal(Academics)



It is a matter of pride to pen down the message for the 10th edition of our annual college magazine AKSHARA. This magazine has provided a platform to showcase the latent writings and creative pursuit of our students and staff which will ever remain as a signature of our institution in minds of the readers.

Academic excellence along with co- curricular and extra co-curricular activities completes the process of education. It is for this reason we invest our time and energy to strengthen our teaching methodologies and provide an enabling environment for growth and development of the students. Our college has made noteworthy progress in imparting quality education, instilling self confidence and motivation in young minds and makes them ready for future challenges.

At the outset, my hearty congratulations to all the tireless hands for their efforts to structure and frame the magazine in an aesthetic manner with rich contents!

Dr. Saju A, Staff Editor
Associate Professor, Dept.of ECE



Welcome to the latest edition of our college magazine, a vibrant tapestry of ideas, innovation, and inspiration woven by the brilliant minds of our engineering community. It is our privilege to present to you a glimpse into the dynamic world of academia, where creativity meets intellect and dreams take flight.

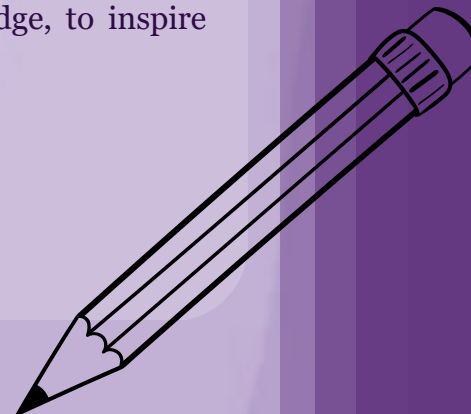
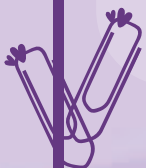
In these pages, you will find a kaleidoscope of articles, essays, and features that reflect the diverse interests and pursuits of our students and faculty, our contributors have delved deep into the realms of creativity to offer fresh perspectives and thought-provoking insights.

At the heart of our college lies a spirit of inquiry and discovery, fueled by the passion to push boundaries and challenge the status quo. Beyond the realm of academia, this magazine also celebrates the rich display of student life, where friendships are forged, memories are made, and dreams are realized. From the exhilarating highs of victory on the playing field to the quiet moments of contemplation in the library, each experience contributes to the vibrant tapestry of our college community.

As we navigate the challenges of a rapidly changing world, it is more important than ever to stay connected, to share our stories, and to celebrate our successes. In the pages that follow, we invite you to join us on a journey of exploration and discovery, as we strive to make a difference in the world and leave our mark on the sands of time.

We extend our heartfelt gratitude to all those who have contributed to this publication, from the writers and photographers to the designers and editors who have worked tirelessly to bring these pages to life. Your dedication and passion are truly inspiring, and we are grateful for the opportunity to display your talents on these pages.

Together, we can continue to push the boundaries of knowledge, to inspire future generations, and to make the world a better place for all.





NAJMA NAZER P
MAGAZINE EDITOR
S8 CE

Hey everyone,

Welcome to the vibrant world of our college magazine AKSHARA'24, where creativity meets curiosity and voices find their stage. As we roll through the twists and turns of higher education, our magazine serves as a reflection of the diverse experiences which have been imprinted as major memories. Through these pages, we invite you to explore the stories, ideas, and talents that define our campus culture. From mind-bending essays to eye-catching artwork, each piece gives you a peek into what makes our college unique.

At this special moment, I would like to thank each magazine representatives who worked together to bring the articles for AKSHARA'24, Faculties who supported us through the journey and our editorial team who worked wholeheartedly to bring you the best.

Join us as we embark on a journey of exploration and discovery, where every page is an opportunity to learn, grow, and shape the future together. Recollect each memory you experienced as an AISATIAN.

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FACULTY REPRESENTATIVES



**Dr. Saju A
(Staff Editor)**



**Prof. Feeba George
(Convener)**



Prof. Jibin Jose



Prof. Leon K P



Prof. Lekshmi Babu



**Prof. Nisy John
Panicker**

DESIGN TEAM



**Najma Nazer P
Dept. of CE**



**Alphin David
Dept. of ECE**



**S AthulKrishna
Dept. of ME**



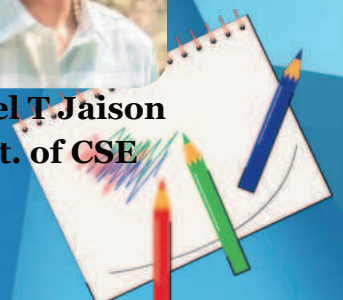
**Joel Jenson
Dept. of ECE**



**Aby Appachankutty
Dept. of ME**



**Hansel T Jaison
Dept. of CSE**



STUDENT COORDINATORS



Najma Nazer P
S8, CE



Jeny Joseph
S6, CE



Sandra V M
S4, CE



Alha Rosana Ayub
S2, CE



Alphin David
S8, ECE



Joel Jenson
S6, ECE



Shana Usman A U
S4, ECE



Sumayya K A
S2, ECE



Kiran Joseph
S8, EEE



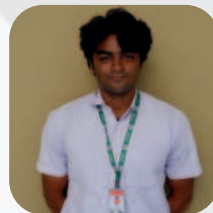
Arun Cleetus
S6, EEE



Ann Mary P A
S4, EEE



Hiba Fathima K H
S2, EEE



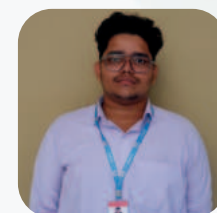
Sahil K M
S8, ME



Aby Appachankutty
S6, ME



Aromal P
S4, ME



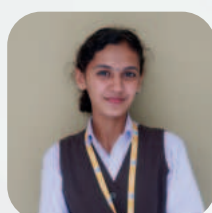
Sadheedh Shanavas
S2, ME



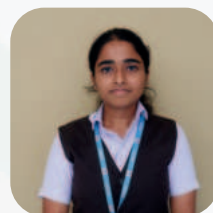
Chikku Elizabeth Shaji
S8, CSE



Sivakami T S
S6, CSE



Anamika Suni
S4, CSE



ANGELINA P.G
S2, CSE A



Hansel T Jaison
S2, CSE B

Placement & Training Cell, AISAT

ORGANISATION

The Placement and Training Cell (P&T Cell) at AISAT has the mission to shape the students to become the finest professionals who are competent enough to excel in a global platform and industrial ready.

The P&T Cell is potentially guided by Prof. Jose V Mathew, Director, P&T Cell along with the faculty coordinators one from each department. Two Students from every branch are elected in the sixth semester and they are also the part of executive committee. The P & T Cell has an exclusive placement arena in B Block of the institution where all in-house campus drives are held.



Activities

P&T Cell provides regular training for the pre final & final year students to improve their soft & technical skills and to make them placed in reputed industries.

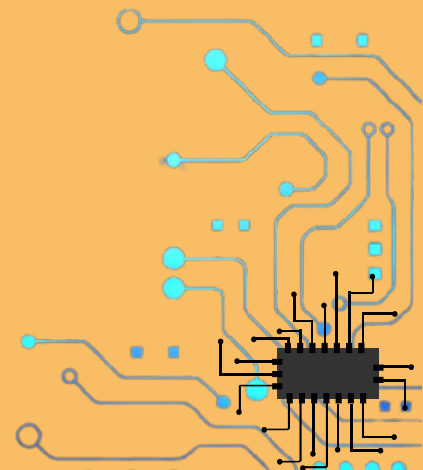
Every Monday, at 2:00PM, P & T Cell executive committee meeting is conducted for discussing & organizing the placement and training activities.

Every Thursday, regular training on Aptitude, soft skills (Group Discussion, Language Proficiency) & Technical (Java/C/C++) are given to the Eligible group of pre-final year students and on every Monday, technical and communication training are given to the unemployed students of Eight semester.

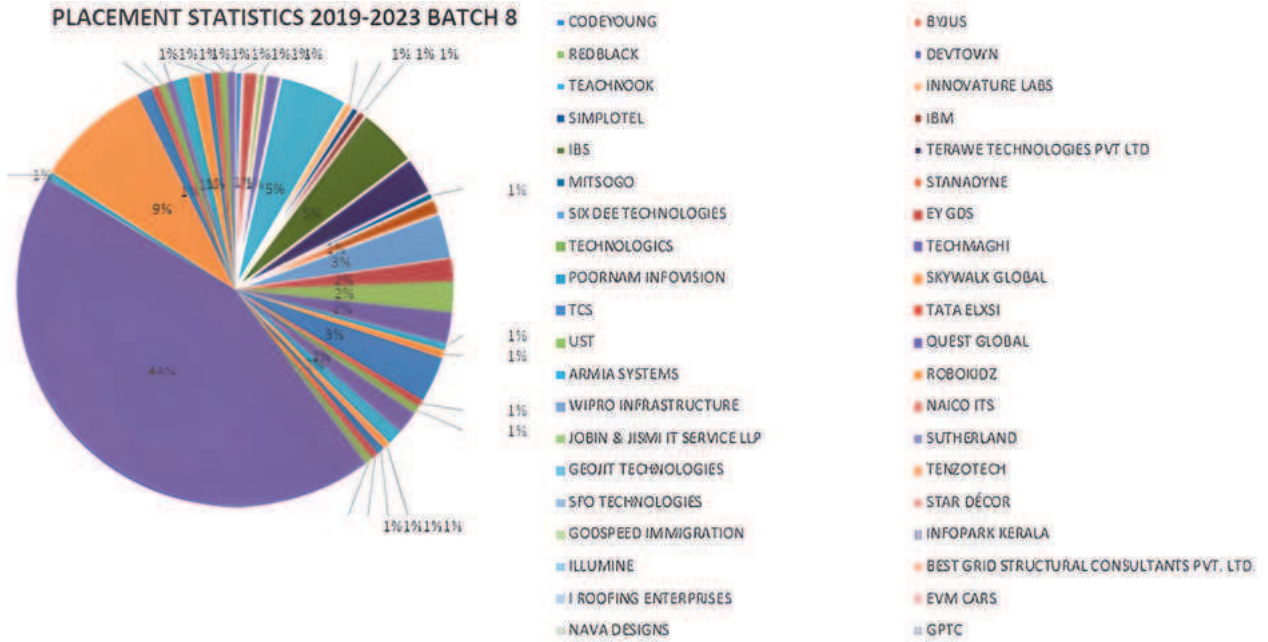
In addition to that, external training by professionals are also provided. Special trainings on Monday and Tuesday (minimum 4 days in a semester) are done for Sixth & Seventh Semester students. The Training schedule for the semester 6, 7 and 8 for eligible group of students on every Thursdays for two periods will be published at the beginning of the semester. The training will be continued till they receive employment offer letter with a salary pack of minimum Rs.3Laks CTC.

The following are the major trainers:

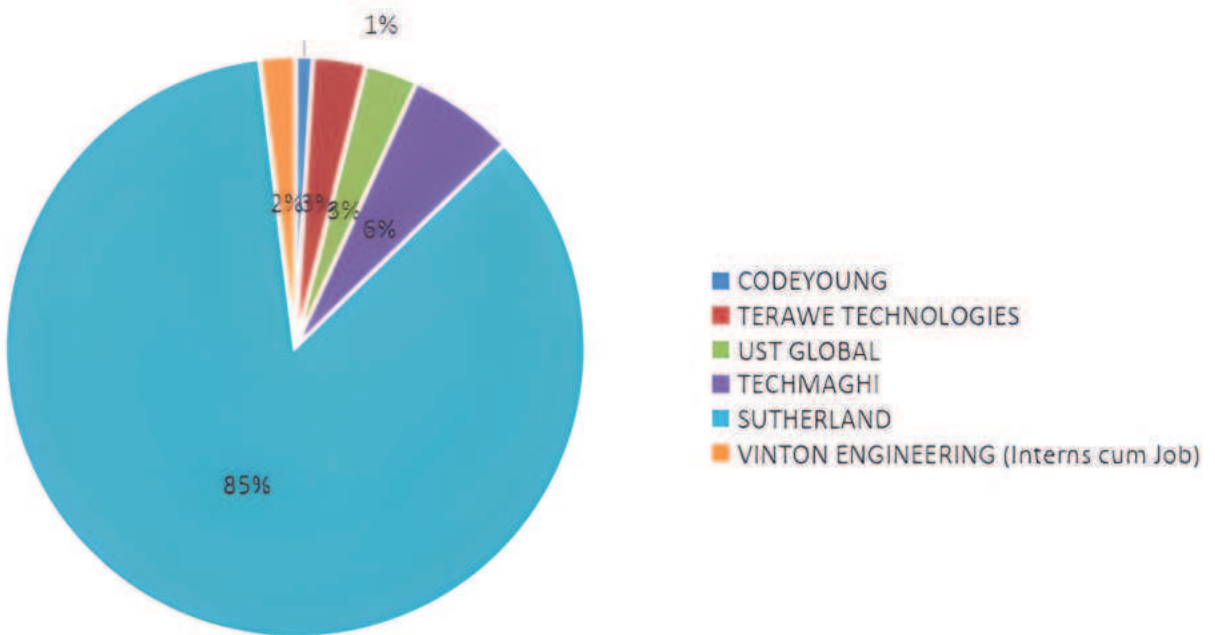
- Sharp Skills, Trivandrum
- Ashachandra academy, Bangalore
- Synergen Consultants, Alappuzha
- The Leaders, Hyderabad
- TIME Pvt Ltd, Kerala.
- GTT foundation



PLACEMENT STATISTICS 2019-2023 BATCH 8



PLACEMENT STATISTICS 2020-2024 BATCH 9



OUR RECRUITERS.....



Eminent Achievers

CSE



Rezon Thomas Philip
CGPA:9.63



Diya P S
CGPA:9.57



Ancy Paiva
CGPA:9.24

ECE



Boniface Noel
CGPA:9.71



Suhana K Ubaide
CGPA:9.66



Akshay Augustine
CGPA:8.83

EEE



Ashil George P G
CGPA:9.44



Jifin K Raphael
CGPA:8.50



Aleena Biju
CGPA:8.49

CE



Evangela Henry
CGPA:9.83



Namitha Mary tomy
CGPA:9.48



Jisna M J
Cgpa:8.87

ME



Augustine Nigil
CGPA:8.62



Subin Kurian
CGPA:8.48



Edwin Joshy
CGPA:8.20

ANNUAL REPORT

Albertian Institute of Science and Technology (AISAT) is a leading educational Institution offering quality education in the field of Engineering. AISAT is an undertaking of Archdiocese of Verapoly which has a track record of centuries serving in the field of education. The Institute offers B.Tech Engineering programs in Civil, Mechanical, Electrical & Electronics, Electronics & Communication and Computer Science Engineering. It also offers M.Tech Program in Civil Engineering. AISAT is affiliated to APJ Abdul Kalam Technological University.

The academic results of Batch 8 (2019 admission) were published by KTU during the last week of July 2023. The overall pass percentage is 47.98%, and the institution holds the 50th position among the colleges affiliated with KTU. Ms. Evangela Henry of B.Tech CE secured the 8th position in the University by achieving a CGPA of 9.83.

The class toppers include Evangela Henry (CGPA 9.83) of Civil Engineering, Rezon Thomas Philip (9.63) of Computer Science and Engineering, Augustine Nigil (8.57) of Mechanical Engineering, Ashil George P G (9.44) of Electrical Engineering, and Bonafice Noel (9.71) of Electronics and Communication Engineering. These toppers were honored with cash prizes during the Merit Day program, Laurel, conducted on December 7, 2023. The convocation ceremony for Batch 8 students, 'Sponsor' 2023, was held on September 16, 2023, in a colorful manner.

Accreditation

The expert team from the National Board of Accreditation (NBA) conducted the visit for the accreditation of the Electronics and Communication Engineering and Computer Science and Engineering programs from October 27th to October 29th, 2023. Both programs received accreditation from NBA for 3 years, valid until June 30th, 2026. The Department of ECE scored 627 marks, and the Department of CSE scored 638 out of 1000. The expert team provided valuable suggestions for improvement. The other two programs, namely Electrical & Electronics Engineering and Mechanical

Engineering, have submitted the Self- Assessment Report (SAR) with the Current Assessment Year (CAY) as 2023-24 on March 7, 2024.

In addition to this, the institution is taking steps towards preparing for NAAC accreditation. Mandatory cells/committees required for NAAC have been constituted from the 2023-24 academic year onwards.

Academics

Several initiatives are undertaken to improve the academic performance of students. Diagnostic tests and bridge classes are conducted for every course at the beginning of each semester. A question bank containing questions from previous years' university papers is provided to students at the start of the semester. Remedial classes are incorporated into the timetable for all subjects.

Moreover, supervised learning sessions are held during the forenoon session of internal examinations.

Additionally, student support programs are organized to assist students in clearing backlogs. Furthermore, interactions with industry, internships, industrial projects, industrial visits, and to enhance the employability of the students and to bridge the industry- academia gap, add- on-courses are offered by departments during this academic year

CSE: Advanced Python Programming

CE: Building Information modelling

ME: Autodesk Fusion 360 & QA QC

Mechanical

ECE: MATLAB

EEE: Revit MEP

Two students from Civil Engineering department secured 6-month Internship during S8 from M/s Vinton Engineering with a monthly stipend of Rs 10,000/- month.

Placement

The placement percentage for Batch 8 (2019 – 2023) was 87%, and the current placement

percentage for Batch 9 (2020-2024) is 73%. To support students in placement activities, training sessions are scheduled for the final-year (Batch 9) eligible students every Monday

from 12:45 PM to 1:30 PM. Additionally, pre-final-year eligible students have training activities scheduled every

Thursday from 11:35 AM to 1:30 PM to enhance their preparation for future placement.

DEPARTMENT ACTIVITIES

1. Department of Civil Engineering

1.1 FDP, MOOC attended by faculty

Sl.no	Name of Faculty	Title of the FDP/MOOC	Organized by	Date(s)/Duration
1	Prof. Aiswarya Anil	Sustainable Construction and Life Cycle Analysis	NPTEL	8 week
2	Prof. Nithya John	Sustainable Construction and Life Cycle Analysis	NPTEL	8 week
3	Prof. Feeba George	Sustainable Construction and Life Cycle Analysis	NPTEL	8 week
4	Prof. Sherine Justine	Sustainable Construction and Life Cycle Analysis	NPTEL	8 week
5	Prof. Vilbin Varghese	Ground Improvement and Earthquake Geotechnical Engineering	NPTEL	12 week
6	Prof. Sheeja M K	One Week National level Online Faculty Development Program on Outcome Based Education and Essential AI Tools for Teachers	Internal Quality Assurance Cell (IQAC) of St. Thomas College, Palai in association with The Kerala State Higher Education Council (KSHEC)	10 January 2024 to 16 January 2024
7	Prof. Rinku John	One Week National level Online Faculty Development Program on Outcome Based Education and Essential AI Tools for Teachers	Internal Quality Assurance Cell (IQAC) of St. Thomas College, Palai in association with The Kerala State Higher Education Council (KSHEC)	10 January 2024 to 16 January 2024

8	Prof. Sreelekshmi G S	One Week National level Online Faculty Development Program on Outcome Based Education and Essential AI Tools for Teachers	Internal Quality Assurance Cell (IQAC) of St. Thomas College, Palai in association with The Kerala State Higher Education Council (KSHEC)	10 January 2024 to 16 January 2024
9	Prof. Aiswarya Anil	Five days FDP on Research and Publication	Mahaguru Institute of Technology and Science	19th February 2024 to 23rd February 2024.
10	Prof. Sherine Justine	Five days FDP on Research and Publication	Mahaguru Institute of Technology and Science	19th February 2024 to 23rd February 2024.
11	Prof. Feeba George	Five days FDP on Research and Publication	Mahaguru Institute of Technology and Science	19th February 2024 to 23rd February 2024.
12	Prof. Nithya John	Five days FDP on Research and Publication	Mahaguru Institute of Technology and Science	19th February 2024 to 23rd February 2024.
13	Prof. Anagha S	Five days FDP on Research and Publication	Mahaguru Institute of Technology and Science	19th February 2024 to 23rd February 2024.
14	Prof. Sreelekshmi G S	7th International Conference on Data Science and Management	IIT Bangalore	4– 7 January 2024
15	Prof. Vilbin Varghese	Recent Advances in Transportation Geotechnics	CET, Trivandrum	15th to 20th January 2024.

16	Dr. Jerin Joseph	National level Online Faculty Development Program on Outcome Based Education and Essential AI Tools for Teachers	The Internal Quality Assurance Cell (IQAC) and the Department of Computer Science, St. Albert's College (Autonomous), Ernakulam, in association with the Kerala State Higher Education Council (KSHEC)	02 November 2023 to 09 November 2023
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1.2 Journal/Conference Publication by Faculty/Student

Journal/Conference Publication				
Sl.No	Title of Paper	Name of the Author/s	Name of Journal	Year of Publication
1	Mitigation of adverse effects of Sulphates in cement treated Marine clay subgrades	Dr. Benny Mathews Abraham	Geotechnical Engineering Journal of the SEAGS & AGSSEA.	2023
2	Cracking Behavior and Hydraulic Conductivity of Amended soils used in landfill cover under wetting drying cycles	Dr. Benny Mathews Abraham	Indian Geotechnical Journal, Springer	2023
3	Effect of surcharge loads during curing of lime-stabilised Cochin marine clay	Dr. Benny Mathews Abraham	Journal of Ground Improvement, Institution of Civil Engineers –London	2023
4	An effective method for reducing the permeability of sandy soils	Dr. Benny Mathews Abraham	Int. J. of Hydrology Science and Technology, Inderscience Publishers	2023
5	Effect of Surcharge Loading on Lime Treated Cochin Marine Clay Subgrades	Dr. Benny Mathews Abraham	Indian Geotechnical Journal, Springer	2023
6	Parametric Study on Performance of Conical Shell Foundation Using FEM Modeling	Prof. Sheeja M K, Dr. Jerin Joseph	Proceedings of SECON'23, Lecture Notes in Civil Engineering.	2023

1.3 Achievements by faculty

Sl. No.	Name	Type	Achievement
1	Prof. Aiswarya Anil	Academic	Elite certification for the course– Sustainable Construction and Life Cycle Analysis by NPTEL
2	Dr. Jerin Joseph Prof. Sheeja MK Prof. Rinku John	Academic	Guided the student who secured the First Prize in the paper presentation competition during Bodhi'24 the technical and cultural fest conducted by Vishwajyothi college of Engineering, Vazhakala
3	Prof. Sherine Justine	Academic	Eligible for part time Ph.D program from NIT Calicut.
4	Prof. Aiswarya Anil	Academic	Eligible for part time Ph.D program from Karunya University.
5	Prof. Aswathy R	Academic	Eligible for full time Ph.D program from NIT Calicut.

Student Achievements

SLNo.	Name	Type	Achievement
1	Agnas Ashitha Pious	Academic	12 weeks NPTEL course on Pavement Materials
2	Aneeta Elizabeth T P	Academic	12 weeks NPTEL course on Pavement Materials
3	Lekshmi Jayaprakash	Academic	12 weeks NPTEL course on Basic Environmental Engineering and Pollution Abatement
4	Paul Ben Babu	Academic	12 weeks NPTEL course on Geotechnical Engineering Laboratory
5	Mariya Anjana	Academic	12 weeks NPTEL course on Geotechnical Engineering II
6	Stella Deepthy	Academic	12 weeks NPTEL course on Air Pollution and control
7	Ranjini R	Academic	8 weeks NPTEL course on Expansive soil
8	Reshma G Pai	Academic	8 weeks NPTEL course on Expansive soil
9	Rithika Rojes	Sports	Secured second position in APJAKTU Inter-zone Karate Competition
10	Ms. Sandra Chandran, Ms. Liyana Yasmin and Mr. Sravan Ramakrishnan	Cube casting competition	Third prize for the cube test competition organized by Indian Concrete Institute , Kochi Centre

11	Ms. Evangela Henry	Academic	University rank, Honors and minor degree
12	Ms. Twinkle	Academic	Honors and minor degree
13	Ms. Jinu Jacob	Academic	Minor degree
14	Ms. Praise Ammini Paul	Career Guidance cell	Held a talk on the topic “Opportunities in Civil Engineering” for the first year civil engineering students.
15	Mr. Abhiram P Lal Mr. MS Aamil Muhammed Ms. Nanditha Rajesh	Paper presentation	First Prize in the paper presentation competition during Bodhi’24 the technical and cultural fest conducted by Vishwajyothi college of Engineering, Vazhakala on 29th February 2024.
16	Mr. Abhiram P Lal Mr. Paul Ben Babu Mr. Akthar Ali	Paper presentation	Technical Paper got selected to be presented KETCON 2024 - the annual technical festival of APJAKTU held at Ahalia School Engineering and Technology during 16th to 18th February, 2024.
17	Ms. Ranjini R Ms. Reshma G Pai	Internship	Secured 6th month paid internship from Vinton Engineering with a stipend of Rs. 10000/-per month. They joined Vinton on 1st February 2024.
18	Ms. Riyana Sosa Cherian	Magazine Cover page	Designed the cover page for the ACEA bulletin Srishti 2024.
19	Mr. Sravan Ramakrishnan Menon	C Prize	Winner of CPrize rank in exam conducted by National Council for Technology and Training (NACTECT) conducted on 5th March 2024.

1.4 Extension activities

- Prof. Aiswarya Anil acted as compere for the IGS Kochi chapter program “Landslide Mitigation - Guidelines perspective and few case study” the monthly online lecture program on 8th January, 2024.
- Dr. Jerin Joseph performed duties as IGS Kochi chapter member for the monthly online lecture program on 6th November 2023, 4th December 2023, 8th January 2024 and 5th February 2024.
- Dr. Bindumol T V attended Technical Colloquium organised by ICI- Kochi chapter and Ramco cements Pvt. Ltd. on 30th January 2024 at Monsoon Empress, Kochi.
- Dr. Bindumol TV attended the ICI-Ultra Tech award function on 12th February, 2024 at Hotel Crowne Plaza, Ernakulam.
- Dr. Bindumol T V performed as evaluator of paper presentation held in the young Innovators Techncl Summit 2024 on 23rd February 2024 at Government Polytechnic College Kalamassery.
- Dr. Benny Mathews Abraham visited various institutes as a member of NAAC Peer.
- Prof. Sheeja M K, Prof Aswathy R and Prof. Rinku John coordinated the 10 th edition of B.Tech Project competition ProComp 2021-22 in association with Graduate Association of Civil Engineers.
- Dr. Jerin Joseph and Prof. Sherine Justine coordinated the M.Tech Project competition IGS AISAT award 2023 in association with Indian Geotechnical Society – Kochi Chapter.

- Prof. Sheeja M K performed as Question Paper setter for the APJAKTU examination in December 2023.
- Prof. Sreelekshmi GS performed as Question Paper setter for the Saintgitts College (Autonomous), Kottayam.
- Dr. Jerin Joseph performed as Question Paper setter for the APJAKTU examination in December 2023.
- Dr. Bindumol TV performed as Question Paper setter for the APJAKTU examination in December 2023.
- Prof. Rinku John performed as Question Paper setter for the APJAKTU examination in December 2023.
- Prof. Rinku John and Prof. Aiswarya Anil performed the duties as editors of the ACEA Bulletin Srishti.

1.5 Proposals for FDP / Research funding submitted or received

Name of Faculty	Title FDP/Research	Duration	Amount	Funding Agency	Status
Dr. Jerin Joseph	One day seminar on IPR	1 Day	Rs.50,000/-	Kerala State Council for Science, Technology and Environment (KSCSTE)	Accepted, Rs. 10,000/- approved
Prof. Sreelekshmi GS	Treatment of dairy waste water and combined photoelectrocatalysis and photo fenton processes	-	50,000/-	APJAKTU	Pending approval
Dr. Bindumol TV	Optimisation of concrete paver blocks performance - A comprehensive approach.	-	50,000/-	APJAKTU	Pending approval
Dr. Veena V	Biochar in remediation of contaminated soil	-	50,000/-	APJAKTU	Pending approval

1.6 Department association/ professional society activities

Indian Concrete Institute (ICI) student chapter

Construction Safety Park

Construction Safety Park is an innovative and immersive permanent space at the project lab designed and executed by the ICI student chapter of AISAT to cultivate a culture of safety, preparedness, and education. It stands as a testament to our commitment to creating a safer and more resilient community. Construction safety park emerges as a beacon of proactive learning, providing a unique environment for individuals of all ages to engage with and understand various aspects of construction safety.

The display of Personal Protective Equipment (PPE),

different types of Fire Extinguishers, safety boots, Safety helmets, and safety gloves. Awareness of different types of safety measures to be adopted for different occasions like safety signs to be used at the construction site and different types of fire and fire extinguishers are explained using charts displayed here. Type of safety goggles, gloves and boots, to be worn by the personnel at different occasions are well explained in the charts displayed here. Understanding of different classifications of each item based on color, material type etc., along with Indian Standard Code

specification of each item are also included in the

display.



- **ICI- Quiz Competition**

In connection with the inauguration of construction safety park, a Quiz competition was conducted about Construction Safety on 23.11.23 among the Civil Engg. Students of AISAT. The winners of the quiz competition were awarded cash prizes. The awards were presented by Rev. Fr. Manoj Francis Marottickal, Assistant Manager of AISAT, and Prof. Vilbin Varghese, Associate Professor in the Civil Engineering Department.

- **ICI –Site Visit to Chellanam Sea wall construction**

Final-year Civil Engineering students, accompanied by ICI Faculty Coordinator Dr. Bindumol T V, class advisors Prof. Vilbin Varghese, Prof. Sherin Justine, and Prof. Liji Anna Mathew conducted a site visit to the Chellanam Sea Wall construction project organized by the ICI Student Chapter. The main attraction at the site was the Groynes, essential structures designed to stabilize beaches and prevent erosion .The groynes are T-shaped and extend 140 meters parallel to the sea with a flange width of 60 meters.

AISAT Civil Engineering Association

- **ACEA –Orientation Program for Civil engineering Students**

An orientation program for the students of the Civil Engineering Department was successfully conducted on September 9, 2023, from 2:30 PM to 3:30 PM in collaboration with ACEA. Mr. Lijo Thomas, a Consultant Faculty from QUADLYNC,

served as the esteemed speaker for the session. During the session, Mr. Lijo Thomas elaborated on various topics including Challenges in Construction, Opportunities for Civil Engineering Professionals, and the Role of Digitalization in Construction. He also emphasized the importance of bridging the gap between academic knowledge and industry requirements, providing valuable insights to the eager audience.

- **ACEA –Workshop on safety management**

Civil Engineering association ACEA of AISAT conducted a workshop on 15th November 2023 On “Safety Management” for Civil engineering S7 students. The talk was delivered by Mr Jinson Thomas, Faculty in Al Salama School of Safety Studies. Mr. Jinson Thomas gave a brief idea And overview of the importance of safety in engineering, and discussed potential risks and hazards in engineering laboratories and construction industries. He explained and demonstrated different types of PPE, including safety glasses, gloves, lab coats, and ear protection.



Standards club

- **Concrete Awareness programme on Shared Vision for better World**

On the occasion of World Standard Day 2023 celebration, BIS Kochi organized an awareness programme on Shared Vision for a better World. BIS also organized Standard Hunting Competition. In this competition, students studied and identified products for which Indian Standards doesn't exist and wrote a proposal. Several students from the AISAT Standards club participated in the competition.

Indian Green Building Council (IGBC) Student Chapter

- **Inauguration of IGBC Student Chapter**

The IGBC Student Chapter was inaugurated on 2nd March 2024 by Ar. BR Ajit. The inauguration ceremony was followed by a talk on sustainability in construction. The relevance of sustainable practices in the construction industry was highlighted by the speaker. He emphasized the use of passive solar design and the importance of green certification.



1.7 Industrial visit

Batch 9

On February 2, 2024, Batch 9 S8 Civil Engineering students from Albertian Institute of Science and Technology visited the Chellanam Sea Wall construction project organized by the ICI Student Chapter. The project, initiated in January 2022 with a budget of 340 crores and funded by KIFBI, aims to mitigate storm surges and erosion along the Chellanam coastline, particularly after cyclone Okhi. The sea wall construction involves meticulous processes, including the layer-by-layer construction of groynes using boulders and the placement of 5-tonne tetrapods using Royal Crane machinery. The groynes, T-shaped and extending 140 meters parallel to the sea, cover a 73-kilometer stretch from Chellanam Harbour to Puthanthod. To combat

scouring, geomats are laid with the help of sea divers. Project Engineer Ashwin, an AISAT alumnus, facilitated the site visit, providing valuable insights. 45, 8th semester civil engineering students, along with faculty members, actively participated in the visit, gaining a comprehensive understanding of the project.



Batch 10

The department of civil engineering conducted an industrial visit for 6th semester civil engineering students to Munnar on Feb 24th 2023. A total of 33 students and 2 faculties joined the industrial visit which helped us to attain more knowledge and field experience from the industry. The students actively participated at the time of industry visit. The purpose of the visit at Metrola Steel Ltd., Muvvatupuzha was to gain practical insights into manufacturing process of TMT steel bars and understand the various stages involved. Metrola Steels Ltd is a renowned company in steel industry specializing in the production of high-quality TMT steel bars.



Batch 11

Students of Batch 11 S4 Civil Engineering from Albertian Institute of Science and Technology visited the Chellanam Sea Wall construction project on February 21, 2024, which has a budget of 340 crores. The project is undertaken by the Uralungal Labour Contract Co-operative Society (ULCCS), the oldest worker cooperative in India, known for completing over four thousand projects. The sea wall construction involves meticulous processes with groynes and

tetrapods to stabilize beaches and prevent erosion. The site visit, facilitated by Project Engineer Ashwin, provided valuable insights into the engineering intricacies. The experience highlighted the importance of coastal protection and showcased real-world engineering challenges and solutions. It emphasized the significance of collaboration between academia and industry in addressing societal needs, particularly in safeguarding communities against natural disasters.



Batch 12

The Department of Civil Engineering organized an industrial visit to the Chellanam construction site on February 19, 2024, for 2nd semester civil engineering students. 31 students and two faculty members participated, gaining valuable knowledge and field experience. The project involves rebuilding a damaged seawall using geotextile bags, sand, boulders, and tetrapods. The tetrapod-based seawall has already provided relief to Chellanam residents, protecting against erosion and flooding during monsoons. The Uralungal Labour Contract Co-operative Society is producing tetrapods for the project. The construction aims to complete a 7.32 km seawall before April 2024, with 40% already completed. A three-meter-wide walkway will be laid over the completed sections, and plans for the second phase are underway.



1.8 Department consultancy

- The department of civil engineering was able to generate an income of Rs. 9200 from October 2023 to February 2024 through various material testing consultancies.

1.9 Innovative Practices (course enrichment)

- The Safety in Construction Poster Competition, was organized as part of a course Enrichment Activity for the Construction Planning and Management course handled by Prof. Sheeja M K for final year students. The primary objective of the competition was to promote a culture of safety in construction by encouraging students to delve into the intricacies of safety protocols and regulations. The competition sought to enhance students' understanding of safety measures in construction, fostering a sense of responsibility and awareness among future professionals in the field.
- The course enrichment Activity for third semester subject: CET 205 Surveying and Geomatics focused on the fifth module, covering Global Positioning System (GPS), Remote Sensing, and Geographic Information System (GIS). Four student groups were assigned to each topic, creating visually informative posters that encapsulated key concepts and practical applications. During the presentation session, the students explained their posters to their peers, fostering collaborative learning and enhancing communication skills.
- As part of course enrichment of CEL331 Material testing lab II practical course, demonstration of use of needle vibrator for construction works and equipment's for testing SCC flow properties were carried out for S5 Civil Engineering Students on 26.10.23. The applications of Self Compacting Concrete, and apparatus like U box, L box, J ring, V funnel etc. for checking the flowability, passing ability and filling ability of concrete for SCC were also demonstrated during the session.
- In the Professional Ethics class for HUT 200, a visual learning pedagogy was implemented, focusing on the topics "Implications of Multinational Corporations on Society" and "Ethical Effects of Bhopal Gas Tragedy." Students prepared posters that visually encapsulated key ethical dimensions of the subjects. This approach not only deepened the students' understanding of complex ethical concepts but also encouraged active participation and the practical application of ethical principles to real-world scenarios.
- As part of the Students Induction program, a captivating Idea Pitch exercise unfolded on the 15th of September 2023, specifically tailored for first-semester civil engineering students. This one-hour session aimed to invigorate the students' creative thinking and enhance their team-working capabilities. The focal point of this engaging exercise was a unique challenge that required students to transform a humble collection of matchsticks into a structurally sound bridge.

2. Department Of Mechanical Engineering

2.1 FDP/MOOC attended by faculty

Sl. No.	Name of the Faculty	Title of the FDP	Organized by	Date(s)
1	Prof. Avinesh Pyarilal	Outcome Based Education	JPM College, Idukki	16/02/2023 to 22/2/2023
2	Prof. Asha K R	Management of NSS Units – A Technological Perspective	NSS Cell – APJAKTU	17/1/2024 to 19/1/2024
3	Prof. Jaison Joseph	Outcome Based Education	JPM College, Idukki	16/02/2023 to 22/2/2024
4		Research & Publication Awareness	Mahaguru Institute of Technology	19/2/2024 to 23/2/2024
8	Prof. Nisha B Nair	Outcome Based Education & essential AI tools for Teachers	St. Albert's College	2/11/2023 to 9/11/2023
9	Prof. Dr. Ramadas T	Outcome Based Education & essential AI tools for Teachers	St. Albert's College	2/11/2023 to 9/11/2023
10	Prof. J V C Maliackal	Electric Vehicle: Technologies & Challenges	AISAT	29/1/2024 to 3/2/2024
11	Prof. Jibin Jose	Research & Publication Awareness	Mahaguru Institute of Technology	19/2/2024 to 23/2/2024

2.2 Journal/Conference publications/presentations by Faculty/Student

Sl.No	Title of Paper	Name of the Author/s	Name of Journal	Year of Publication
1	Factors influencing small & medium sized enterprise (SME) – resilience during Covid 19 outbreak	Dr. Ramadas T	International Journal of TQM, Emerald Publisher (Scopus Indexed)	March 2023

2.3 Achievements by faculty

Sl. No.	Name	Type	Achievement
1	Mr. Alen Earnest	Sports	Won gold medal in 100m race for staffs in KTU Athletics Meet held at Chandrashekar Nair Stadium, Trivandrum
2	Dr. Manoj Jose Kalathil	Academics	Chair for the paper presentation competition at Mangalam College
3	Dr. Ramadas T	Academics	Request for guideship has been approved in principle by the 47th Syndicate Meeting of APJAKTU

4	Dr. Manoj Jose Kalathil	Academics	Request for guideship has been approved in principle by the 47th Syndicate Meeting of APJAKTU
5	Dr. Ramadas T	Academics	Served as resource person for an ATAL FDP (Faculty Development Program) hosted by Sreepathy Institute of Management and Technology, Palakkad. The topic of the FDP was "Overview of Lean Six Sigma with Industry 4.0."
6	Dr. Ramadas T	Academics	One KTU PhD scholar has enrolled under Prof. Dr. Ramadas's guidance.

2.4 Student Achievements

Sl. No.	Name	Type	Achievement
1	Sharon Sha	Club	Selected to SPS leadership team of IEEE Kerala Section as the Design & Content (Sub)
2	Agin Raphel	Extra Curricular	Resource person for an orientation on 3D printing & related software in Assissi Vidyaniketan Public School
3	Augustine Nigil	Scholarship	A merit scholarship MECH prize of NACTET
4	Sharon Sha	Club	Selected as the top anchor at Voice of People conducted as part of WIEbiela by IEEE WIE
5	Basith Jaseem M K	Club	Winner in Mann Ki Baat quiz competition conducted by NSS Unit of AISAT
6	Ephraim Jaison	Club	2nd position in Cartooning Competition conducted by NSS Units of AISAT on the occasion of Gandhi Jayanthi

2.5 Extension activities

- NSS Units of AISAT organized KSRTC bus depot cleaning drive on Sept 24 at Aluva Bus Stand. Prof. Avinash Pyarilal was the coordinator for the event.
- NSS Units of AISAT hosted blood donation camp in association with HDFC Bank & IMA cochin blood bank on 26th Sept, 2023 at Einstein Hall, AISAT under the leadership of Prof. Avinash Pyarilal. Staff and students from our department donated blood.
- Prof. Nisha B Nair coordinated a Mime & Fashion Show on 10th Nov, 2023 as part of AISAT Nature Club.
- Knimbus Training for all the staff was conducted on 21st Nov, 2023. Prof. Antony J coordinated the event.
- Workshop on "Safety Management for Mechanical Engineering Students" was conducted on 15th November, 2023. Mr. Jinson Thomas, Faculty in Alsalama School of Safety Studies, Kochi was the resource person for the workshop.
- Expert talk on "Industrial Safety" was conducted on 27th November, 2023. Mr. Raufek M H, Senior Manager, GAIL India Ltd. Was the resource person for the talk session.
- A talk on Application of design in Mechanical Engineering was conducted in association with career guidance cell & FLAMES for S1 & S3 students. An alumnus of our college Mr. Jess Boban was the Speaker for Session. It was conducted on 19th Dec, 2023 from 10:30AM.

2.6 Department association/ professional society activities

- Mechanical Department Association - FLAME conducted a session for S7 ME students. Session was handled by a team from NACTET on 8th Nov, 2023
- Awareness Talk on SAE India was conducted for the students of our department on 15th February, 2024. Mr. Koshy P Joseph, Chariman SAE India, South Section Cochin Division was the resource person for the talk.

2.7 Industrial visit

• BATCH 8

On April 3, 2023, 34 AISAT S8 Mechanical Engineering students and two faculty members visited Infynyt 3D Pvt. Ltd., Goa for an industry visit. Product development and fast prototyping company Infynyt 3D pvt. Ltd. Located in Verna Industrial Estate, Goa. The operations manager outlined industry processes. The company designs and prints 3D models, prototypes, parts, tools, prosthetics, and more. They offer training and consultation to turn your drawing or concept into a three-dimensional model. Infynyt3D pvt. Ltd. provides Product Design, Reverse Engineering, FEA, Rapid Prototyping, 3-D printing, and more. Additive manufacturing or 3D printing builds three-dimensional objects from CAD or digital models. It involves layer-by-layer depositing, joining, or solidifying material under computer control, such as polymers, liquids, or powder grains. Due to its many benefits, additive manufacturing or 3D printing has grown fast in engineering. Some of these benefits include faster prototyping, lower manufacturing costs, more product customization and better quality.



• BATCH 10

The S5 Mechanical Engineering Department of Albertian Institute of Science and Technology (AISAT) sent 41 students and three staff members to Kerala Agro Machinery Corporation Limited and Greenland Particle Board Limited on September 16, 2023. The journey began at 9am from AISAT on September 16. By 10am, students and faculty reached Kerala Agro Machinery Limited (KAMCO), Athani, the first industry. Farm machinery business KAMCO makes power tillers and diesel engines. We witnessed Power Tiller production, assembly, testing, and maintenance. An skilled crew detailed the operations. Power Tillers are multifunctional agriculture land preparation machines. Designed for rainy and dry environments. The hour-long

industrial visit ended at 11am and moved on to the next. Greenland Particle Board Limited, Perumbavoor, was the second industry students reached by 11:30am. Greenland Particle Boards Pvt Ltd. is a top Indian wood-based particle board manufacturer. We sell high-quality Particle Boards to OEMs, furniture makers, and other industries. Particle Board, sometimes known as chipboard, is an engineered wood product manufactured from wood-fibre and synthetic resin pressed at 180° to 200° C. We watched particle board production from start to finish.



• BATCH 12

The S2 Students of Mechanical Engineering Department of Albertian Institute of Science & Technology sent 50 students and two staff members to Sea Blue Shipyard on 23/2/2024. Journey began at 9AM from College on 23rd Feb. They had a class handled by industry specialist and site visit was conducted in the shipyard.



2.8 MoU signed

• AISAT, Kalamassery (referred as First Party) and Tec shore Inspection services with registered office at Kochi (referred as second Party) signed a Memorandum of understanding (MOU) on 17th January 2024 as a part of Academics- industry Interaction and for mutually beneficial promotional activities.

The Primary Point of contact are Dr Ramadas.T, Associate Professor and HOD, ME, AISAT and Vishnu Shaji, Administration Manager Tec shore Inspection services. The MoU was signed by Fr. Antony Vacko Arackal, Manager, AISAT (for and on behalf of AISAT) and Vishnu Shaji Administration Manager Tec shore Inspection services (for and on behalf Tec shore Inspection services). Dr. S Jose, Principal of AISAT and Dr. Paul Ansel V, Vice Principal of AISAT were the witnesses.

- AISAT, Kalamassery (referred as First Party) and BIMLABS engineering services Pvt Ltd. with registered office at, Kochi (referred as second Party) signed a Memorandum of understanding (MOU) on 17th November 2023 as a part of Academics- industry Interaction and for mutually beneficial promotional activities.

The Primary Point of Contact are Dr Ramadas.T, Associate Professor and HOD, ME, AISAT and Prijith P Business Manager, BIMLABS engineering services Pvt Ltd. The MoU was signed by Fr. Antony Vacko Arackal, Manager, AISAT (for and on behalf of AISAT) and Prijith P Business Manager, BIMLABS engineering services Pvt Ltd (for and on behalf BIMLABS engineering services Pvt Ltd). Dr. S Jose, Principal of AISAT and Dr. Paul Ansel V, Vice Principal of AISAT were the witnesses.

2.9 Notable Student Projects of Batch 8

India, known for its diversity in resources and culture, is a land for a large variety of people resulting in huge variability in anthropometric dimensions. This necessitates human factors to be crucial in engendering usability in a product thereby making it beneficial. Due to the emerging complex work systems, knowledge on physical dimensions of humans with accuracy is influential. As a result, Production engineers are impelled to involve ergonomic factors into manufacturing a product. Gig industry is a big industry in today's society and plays a key role in today social scenario. Here we are making an attempt to design an electric cycle for Gig workers by collecting their anthropometric dimensions in order to improve the physical health and comfort of the Gig worker and thereby reducing the carbon emission.



3 Department of Electrical and Electronics Engineering

3.1 FDP/MOOC/Seminar attended by faculty

Sl. No.	Name of the Faculty	Title of the FDP	Organized by	Date(s)
1	Kanaka Xavier	Sustainable Power Generation Systems	NPTEL-AICTE FDP	Jul-Oct 23
		Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24
2	Merin Antony	Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24

3	Lekshmi Babu	Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24
4	Renu Mary George	Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24
5	Deepu John	Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24
6.	Annie Bincy C A	Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24
7	Thomas Felix	Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24
8	Dr.Linss T Alex	Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24
9	Anitha Shaju	Electric Vehicles: Technologies and Challenges	ATAL FDP	29.01.24 to 03.02.24

3.2 Achievements by Faculty

Sl. No.	Name	Type	Achievement
1.	Dr.Linss T Alex	International Conference	Reviewer of Second International Conference on Smart Technologies for Power and Renewable Energy
2.	Dr.Linss T Alex	International Conference	Reviewer of 1st International Conference on Trends in Engineering Systems and Technologies
3.	Dr.Linss T Alex	Y-Summit 2024	Judging Panel-Y-Summit 2024 Technical Paper Presentation
4.	Dr.Leena T Timothy	Coordinator	Coordinator of AICTE ATAL FDP- Electric Vehicles:Technologies and Challenges
5.	Dr.Linss T Alex	Co-Coordinator	Co-Coordinator of AICTE ATAL FDP- Electric Vehicles:Technologies and Challenges
6.	Dr.Linss T Alex	IEEE Executive Committee Member	Elected as IEEE Executive Committee Member, Kochi Subsection

3.3 Student Achievements

Sl. No.	Name	Type	Achievement
1	Steny Raphy	Non-curricular	Gold in Girls Kata Black Belt Dan 2
2	Sidharth KA, Joel Manuel	Non-curricular	Secured Third place in the State level short video presentation competition organized by Kerala Productivity Council
3	Almas C S, Liya V S	Non-Curricular	Secured the First prize in the State Level short video presentation competition organized by Kerala Productivity Council
4	Ashil George	Academic	Batch 8 Topper – CGPA 9.44

3.4 Proposals for FDP / Research funding submitted or received

Name of Faculty	Title FDP	Duration	Amount	Funding Agency	Status
Dr. Leena T Timothy /Dr.Linss T Alex	Electric Vehicles:Technologies and Challenges	6 Days	350000	AICTE ATAL	Received

3.5 Department Association/professional society activities

Logo Design Contest

A Logo design Contest Kalamassery was conducted on behalf of Electrical and Electronics Engineering in association with LUMINA of all students of AISAT. The deadline for the event was fixed on 20-09-2023 at 04. 00pm.Out of multiple entries received, the design by Mr.Christo Kunjumon of S7 EEE was selected and he was honored with a certificate .



Introduction to GATE exam & Mock Exam
ONE's academy, Ernakulam conducted a session on Introduction to GATE Exam on 04-10-2023 from 01.30pm-03.30pm at B 301 for S5 students. They explained about the importance of cracking GATE exams for higher studies and UPSC examinations. The session was useful for the students.

Inauguration of LUMINA Activities 2023-2024

The department of electrical and electronics engineering inaugurated the activities under LUMINA, the department association for the academic year 2023-2024 on 5th October 2023. Chief guest Dr.Anand Kumar, Rtd. Director Engineer, KSEB. The inaugural ceremony started at 2.30pm. LUMINA activities for the academic year was formally inaugurated by the Chief guest along with the logo launch. In his inaugural

address, he inspired the students by pointing out the importance of securing a prestigious job in the current scenario. The formal function was followed by a Technical talk on ‘Power system management in Kerala’ by the chief guest. He explained in detail with his hands on experience and quoted examples about the topic. Ms. Lekshmi Babu, Assistant Professor, EEE Department highlighted the relevance of LUMINA in the meeting and announced the office bearers for the year 2023-24.

Bowled Out

Cricket competition “Bowled Out” was conducted on behalf of Electrical and Electronics Engineering in association with LUMINA of all students of AISAT at B block on 25-10-2023 at 01.30 pm onwards. The registration fee for the event was Rs.10.107 entries were received. The first was bagged by Mr. Abhishek S3 EC and he was honored with a cash prize of Rs.501.

Faculty Enrichment activity on Electrical CAD

Faculty Enrichment activity on “Electrical CAD” by Mr.Jakesh P Kuriakose,CAD Engineer, was conducted on behalf of Electrical and Electronics Engineering in association with LUMINA on 10-11-2023 from 02.00pm at B 406 for all staffs of EEE Department. The resource person explained in detail about the Electrical CAD with an Electrical drawing of a building and he pointed out that Electrical CAD is primarily used as a drawing tool, while Industrial MEP is a robust design and documentation platform. He also added that In the construction world, MEP stands for “mechanical, electrical and plumbing.” MEP engineering is the science and art of planning, designing and managing the MEP systems of a building

Career Opportunities For Electrical Engineering

Students career guidance cell of AISAT along with Department of EEE and LUMINA conducted a session on 28th of December on the topic “CAREER OPPORTUNITIES FOR ELECTRICAL ENGINEERING”. The session was handled by Er.Vinayachandran . P Electrical Chief, Operations & Maintenance Electrical, Abu Dhabi Oil Company. 24 students from EEE department have attended the session.

Hands-On Workshop On Introduction to MATLAB Programming

A hands-on workshop on Introduction to MATLAB programming was organized by Electrical and Electronics Engineering department in association with Lumina under the guidance of Prof. Annie Biju C A and Prof. Anitha Shaju. The session was handled by Prof. Paul Ansel V, Vice Principal & Associate Professor, Department of ECE, AISAT.

The participants of the workshop was Sixth semester students of EEE Department, AISAT as the knowledge in MATLAB is identified as a curriculum gap between EET304 Power system II and EEL332 Power Systems Lab. The workshop was conducted on 27th February 2024 at DBMS Lab of AISAT from 2:00 pm to 3:00 pm. There were active participation from the students. The speaker discussed the basics in MATLAB and various syntax used in MATLAB programming. He also explained how the MATLAB helps to solve the problems in power system with some examples. He gave an introduction to the MATLAB Simulink also. The session helped the students to know the basics of MATLAB and how to use the software for the applications in power systems. The students commented that the session was very fruitful and effective for their academics. The workshop end by 4:30 pm.



Meet Your Elder

Mr. Sreenath M R, Asst. Project Designer, Illumine Energy addressed the students of S2 EEE as part of the Meet your Elder programme. The program was conducted on 29th February 2024 at A205 of AISAT from 9.00 to 9.30am. In his session he

addressed the students about his journey after the graduation to his 6 months experience in Illumine Energy. He is the 2019-2023 alumnus of the Department of EEE. In his session he briefed about the nature of his work, real time field experience of the installation process of solar PV systems and its major design constraints. He explained the design for 3kW, 5kW and 10kW systems. He also mentioned the safety measures installed, the professional practices followed and legal permissions required. He also advised the students to clear their B.Tech without arrears. In his words, he thanked the placement and training cell for the guidance they provided for appearing in interviews and how it helped him to secure the job. The session was very beneficial for the students.

Industrial visit

Batch 9

All students Participated in the Electric World Expo 2024 organized by KELCON at marine drive Ernakulam on 01-03-2024.



MoU signed

Report on Real Power Engineers and Consultants MOU SIGNING on January 17th, 2024.

AISAT, Kalamassery (referred as First Party) and Real Power Engineers and Consultants with registered office at 18/190-D, Alfa Tower, Thottumugham Junction ,Aluva ,Ernakulam (referred as second Party) signed a Memorandum of understanding (MOU) on 17th January 2024 as a part of Academics- industry Interaction and for mutually beneficial promotional activities.

AISAT and Real Power Engineers and Consultants became partners for engaging students to gain valuable experience and training. The Primary Point of Contact are Dr. Linss T Alex, Associate Professor and HOD, AISAT and Mr. Mohammed Marakkur, Senior Consultant, Real Power Engineers and Consultants. The MoU was signed by Fr. Antony Vacko Arackal, Manager,

AISAT (for and on behalf of AISAT) and Mr. Mohammed Marakkar, Senior Consultant, Real Power Engineers and Consultants (for and on behalf of Real Power Engineers and Consultants). Dr. Veena .V, Principal of AISAT and Dr. Linss T Alex, Associate Professor and HOD, AISAT were the witnesses.



• **Report on Sinro Robotics Pvt. Ltd. MOU SIGNING on March 6th, 2024.**

AISAT, Kalamassery (referred as First Party) and SINRO ROBOTICS PVT. LTD. with registered office at Sinro Arcade, Puthiya Road, Near Palarivattom Flyover, Chakkaraparambu, Ernakulam, Kerala-682032, (referred as second Party) signed a Memorandum of understanding (MOU) on 6th March, 2024 as a part of Academics- Industry Interaction and for mutually beneficial promotional activities.

AISAT and Sinro Robotics Pvt. Ltd became partners for engaging students to gain valuable experience and training. The MoU will be active from the date of signing the MoU for three years, if both parties agree then it will be automatically renewed for another three years unless a written notice to terminate or amend this agreement is given to the other party Four Months (4 Months) in advance.

The Primary Point of Contact are Dr. Linss T Alex, Associate Professor and HOD, AISAT and Mr. Abhinav C V, Technical Lead, Sinro Robotics Pvt. Ltd. The MoU was signed by Fr. Antony Vacko Arackal, Manager, AISAT and Mr. Abhinav C V, Technical Lead, Sinro Robotics Pvt. Ltd., (for and on behalf of Sinro Robotics Pvt. Ltd). Dr. Veena V, Principal of AISAT and Dr. Linss T Alex, Associate Professor and HOD,



• **Report on Aester India Pvt. Ltd. MOU SIGNING on March 7th, 2024.**

AISAT, Kalamassery (referred as First Party) and AESTER INDIA PVT. LTD. with registered office at at #90,3rd Floor, DD Corner Stone, Kadavanthara, Cochin-20, Kerala, (referred as second Party) signed a Memorandum of understanding (MOU) on 7th March, 2024 as a part of Academics-Industry Interaction and for mutually beneficial promotional activities.

AISAT and Aester India Pvt. Ltd. became partners for engaging students to gain valuable experience and training. The MoU will be active from the date of signing the MoU for three years, if both parties agree then it will be automatically renewed for another three years unless a written notice to terminate or amend this agreement is given to the other party Four Months (4 Months) in advance.

The Primary Point of Contact are Dr. Linss T Alex, Associate Professor and HOD, AISAT and Mr. Ratheesh C R, Director, Aester India Pvt. Ltd.

The MoU was signed by Fr. Antony Vacko Arackal, Manager, AISAT (for and on behalf of AISAT) and Mr. Ratheesh C R, Director, Aester India Pvt. Ltd. (for and on behalf of Aester India Pvt. Ltd.). Dr. Veena V, Principal of AISAT and Dr. Linss T Alex, Associate Professor and HOD, AISAT were the witnesses.



3.8 Innovative Practices

- An expert talk on topic “Practical aspects of solar installation” was organised for the students of S6EEE for their course EET322 Renewable Energy systems on 29.02.24. Mr. Sreenath M R, Asst. Project Designer, Illumine Energy addressed the students. In his session he briefed about the real time installation process of solar PV system and its major design constraints. He explained the design for 3kW, 5kW and 10kW systems. He also mentioned about the safety measures installed, the professional practices followed and legal permissions required. The students asked many doubts regarding the field experiences, opportunities and difficulties faced during the installation process.

- Prof. Pearl Antonette Mendez, Assistant Professor, Dept. of ECE addressed the students of S6 EEE as part of the enrichment activity for the course EET322 Renewable Energy Systems. The title of the talk was “Mathematical Analysis and Design of Stand Alone PV Systems”. In her session she briefed about design and different constraints of standalone solar PV systems. She made the students do load estimation and design for given base conditions. She also mentioned the need of solar PV installation against the rising electricity bill, safety measures while installation and the professional practices to be followed. She said that this will help the students to engage themselves for independent installation and lifelong learning as well as career prospects in the broadest aspect of Solar PV installation. She also cleared many doubts of students. Overall the session was very beneficial for the students.



- A Talk on Industrial Automation was organized by Electrical and Electronics Engineering department in association with Lumina as part of the enrichment activity for the course EET468: Industrial Instrumentation and Automation. The session was handled by Mr. Alex Paulson, Co- Ordinator, Steer Technology, Chalakudy, Mr. B Suresh, Placement Officer, Skiltek ITI, Ernakulam and Mrs. Preena, Instrumentation Faculty, Skiltek ITI, Ernakulam. The participants of the workshop were Eighth semester students of EEE Department. It was conducted on 05th March 2024 at B406 of AISAT at 10.00am. There were active participation from the students. Mr. B Suresh, Placement Officer, Skiltek gave an introduction to the session followed by the class on Industrial Automation by Mrs. Preena, Instrumentation Faculty, Skiltek ITI. Mr. Alex Paulson, Co- Ordinator, Steer Technology demonstrated the process involved in Automation in laptop. The session helped the students to know the basics of Industrial Automation and how to use the software for the applications in industry. The students commented that the session was very fruitful and effective for the subject EET 468.



- An add-on course on “Revit- MEP(Electrical)” has been planned to be conducted in March 2024

4. Department of Electronics and Communication Engineering

4.1 FDP, MOOC attended by faculty

Sl. No.	Name of the Faculty	Title of the FDP	Organized by	Date(s)
1.	Dr. Neenu Joseph	Quantum Signal Processing	Lakireddy Bali Engineering college	14.12.2023-20.12.2023
		CoreEI Edu Summit 2023	CoreEI and Mathworks	9.11.2023
		System Design through Verilog.	8 week NPTEL course	Oct 2023
		Teaching & Learning in General programs : TALG.	4 week NPTEL course	Oct 2023

2	Dr. Saju A	Recent Advances in Computing	Mahaguru Institute of Technology	29.01.2024-02.02.2024
		Control of Robotic systems : Research trends and Challenges	College of Engineering, Perumon	5.02.2024-10.02.2024
3.	Ms. Milna M J	Understanding design.	4 week NPTEL course	Oct 2023
4.	Ms. Neethu Varghese	CoreEI Edu Summit 2023	CoreEI and Mathworks	9.11.2023
5.	Mr. Gregorious Jose C	Online course on Neural networks and deep learning	Coursera	Jan 2024
		Practical aspects of Communication engineering with hands on training at	Vidya Academy of Science & Technology	22.02.2024-24.02.2024
		Online course on Improving deep neural networks: Hyperparameter tuning regularization and optimization	Coursera	Jan 2024
6.	Ms. Anila Sebastian	System Design through Verilog.	8 week NPTEL course	Oct 2023
7.	Ms. Dimple Attokaran	System Design through Verilog.	8 week NPTEL course	Oct 2023
8.	Ms. Neethu Kennedy	System Design through Verilog.	8 week NPTEL course	Oct 2023

4.2 Journal/Conference publications/presentations by Faculty/Student/Patent

Sl. No.	Title of Paper	Name of the Author/s	Name of Journal	Year of Publication
1.	Sensor based smart currency counter device	Dr. Saju A	UK Design Patent	2024
2.	6G Wireless Communication, challenges and Opportunities	Dr. Neenu Joseph	Keynote speaker for International Conference, AEMI-2023.	2023

4.3 Achievements by faculty

Sl. No.	Name	Type	Achievement
1	Dr. Neenu Joseph Ms. Anu Antony	Academic	Served as KTU External Auditors
2	Ms. Ambily Joseph	Academic	Certified Trainer, EdTech Society

3.	Dr. Neenu Joseph	Academic	Proctor to guide and oversee competing teams for the IEEEExtreme 17.0 programming competition.
4.	Mr. Paul Ansel V	Academic	Handled a session on My Path towards Engineering as a career for the Navadarsan Camp on Dec 26 th , 2023.
5.	Mr. Paul Ansel V	Academic	Workshop on Introduction to MATLAB programming for S6 EEE students of AISAT on 27 th Feb, 2024.
6.	Mr. Paul Ansel V	Competition	was the winner for the international speech contest at Travancore toastmasters club and got selected for the Area Level competition on 25 th Feb, 2024.

4.4 Student Achievements

Sl. No.	Name	Type	Achievement
1.	Inzamamul Hakk (S3 ECE)	APJAKTU Interzonal Karate Competition.	Won Gold in the 55kg Boys Kumite category
2.	Abhinav krishna (S1 ECE)	APJAKTU Interzonal Karate Competition.	Won Silver in the 60Kg Boys Kumite category
3.	Misbah Latheef (S7 ECE)	Inter-collegiate fest	Won the second prize for the Photography Competition DIGNITO'23 organized by DePaul Institute of Science
4.	Noel Geevarghese (S5 ECE)	AISAT Dance club	won the first place for the spot dance competition
5.	Ajulal C R (S7 ECE)	NSS AISAT in association with APJAKTU	won the first place for the Cartooning Competition
6.	Linda Philomina N G (S3 ECE)	NSS AISAT in association with APJAKTU	won the second place for the Poster Making Competition
7.	Inzamamul Hakk (S3 ECE)	Ernakulam District Karate Association on 21 st and 22 nd Oct, 2023	won Gold for the Ernakulam District Karate Championship in the Under 21 years category
8.	Inzamamul Hakk (S3 ECE)	Ernakulam District Karate Association on 21 st and 22 nd Oct, 2023 at Govt. Higher Secondary school auditorium, Kadayiruppu.	won Silver for the Ernakulam District Karate Championship in the Senior Kumite category
9.	Akhil Musthafa (S7 ECE)	IEEE SB College of Engineering, Perumon on 16 th Oct, 2023	won the second position in the Swarachana-Spell Bee competition
10.	M Yazhini, Salvin Saju (S5 ECE)	MOOC	12-week NPTEL course on The Joy of computing using Python
11.	Aleena Mary Antony (S7 ECE)	MOOC	12-week NPTEL course on Digital Circuits
12.	Sarishma A R (S7 ECE)	MOOC	12-week NPTEL course on Software Engineering

13.	Aghila K B (S7 ECE)	MOOC	12-week NPTEL course on Sustainable Power generation systems
14.	Anisa Mumtaz, K J Manuval Jezwin (S7 ECE)	MOOC	12-week NPTEL course on Automation in Production Systems & Management

4.5 Proposals for FDP / Research funding submitted or received

Name of Faculty	Title FDP	Duration	Amount	Funding Agency	Status
Dr. Saju A	Industry 4.0	5/2/24 to 10/2/24	200000	ATAL	Pending approval

4.6 Extension Activities

- Ms. Pearl Antonette Mendez was the external examiner for PRE3OJT0120- On Job training practical examination for S3 M.Voc Renewable Energy Management on 6th Dec, 2023 at St. Albert's College (Autonomous), Ernakulam.
- Ms. Pearl Antonette Mendez was the external examiner for ECL331 Analog Integrated Circuits & Simulation Lab at Model Engineering College from 11th to 13th Dec, 2023.
- Ms. Milna M J was the external examiner for ECL333 Digital Signal Processing Lab at Model Engineering College from 11th to 13th Dec, 2023.
- Tubin T X was the external examiner for ECL411 Electromagnetics Lab at Model Engineering College from 12th to 14th Dec, 2023.
- Mr. Tubin T X was the external examiner for the Electromagnetics lab at Rajagiri School of Engineering & Technology on 27th & 29th Jan 2024.
- Ms. Neethu Varghese was the external examiner for the Electromagnetics lab at Rajagiri School of Engineering & Technology on 30th and 31st Jan, 2024.
- Dr. Saju A was the external examiner for the Electromagnetics lab from 18th to 20th Jan, 2024 at Saintgits College of Engineering, Kottayam.
- Ms. Pearl Antonette Mendez was the external examiner for Photovoltaic lab and Wind Energy Lab for the M.Voc Renewable Energy students on 8th and 9th Jan, 2024.
- Prof. Sonu K Varghese was the External examiner for Scientific Computing on 9th to and 13thFeb, 2024 at Model Engineering College.
- Prof. Tubin T X was the External examiner for LCD lab on 9th to and 13th Feb, 2024 at Model Engineering College.

- Dr. Neenu Joseph was the external examiner for the LCD lab on 5th & 6th Feb, 2024 at Rajagiri School of Engineering & Technology, Kakkannad.
- Mr. Gregorious Jose C was the external examiner for the Communication lab on 15th Feb, 2024 at Model Engineering College, Thrikkakara.
- Mr. Paul Ansel V was the Master of Ceremony for the meeting of Managers/Principals of Higher Education Institutions/Diocesan directors at POC, Palarivattom on 28th Feb,2024.
- Ms. Milna M J was the external examiner for Digital Signal Processing Lab on 8th and 9th Feb 2024 at Rajagiri School of Engineering & Technology, Kakkannad.
- Ms. Pearl Antonette Mendez was the external examiner for Analog Integrated Circuits and Simulation Lab on 8th and 9th Feb 2024 at Rajagiri School of Engineering & Technology, Kakkannad.

4.7 Department association/ professional society activities

Association Activities/Department Activities

1. 5G Communication Technology

S8 ECE students attended a seminar on 5G Communication Technology Course by DADB German Academy of Digital Education on 25th Jan, 2024 at 11.00 am organized by Department of ECE, AISAT in association with EACE.



2. Job Opportunities in VLSI/Semiconductor Industry

A webinar on Job opportunities in VLSI/Semiconductor Industry was organized by Department of ECE in association with EACE on 28th Feb, 2024 at 2.30 pm. Students of S6 and S8 ECE attended the webinar.

3. Industrial Automation

A Seminar on "Industrial Automation" was organized by Department of Electronics and Communication Engineering in association with EACE on 28-02-2024 (Wednesday) at 12:00 pm at Einstein Hall for S2 ECE students. The Resource Person was Ms Preena from Skilltek Technical Institute Ernakulam.

4. Alumni Meet

An alumni meet was conducted by Dept. of ECE from Batch 1 (2011-2015) to Batch 8(2019-2023) students on 17th Feb 2024 Saturday at 3pm in A413 Classroom. A total of 19 students, (9 students from 2016-2020 Batch and 10 students from 2019- 2023 Batch) and 1 faculty attended the program.



5. Seminar on PLC and SCADA Programming

A seminar on PLC and SCADA programming was organized by Department of ECE in association with EACE on 28th Feb 2024. Students of S8 ECE attended the seminar.



IEEE Student Branch

1. IEEE XTREME 17.0

IEEE Xtreme 17.0, the international coding extravaganza hosted by IEEE, unfolded with great

enthusiasm and fervor from October 28, 2023, to October 29, 2023. The prestigious event took place at Albertain and Institute of Science and Technology, attracting a total of 49 students exclusively from IEEE SB AISAT. The coding marathon featured numerous teams, each composed of 1-3 members, ready to take on the 24-hour coding challenge.

2. LET'S DESIGN

"Let's Design" offered a captivating exploration into the world of design, blending hands-on activities with insightful discussions on 23rd November, 2023 at 2:30 PM in Systems Lab A-Block, the workshop provided an invaluable opportunity for aspiring designers and enthusiasts to refine their skills. Conducted by Ms. Sharon Sha and featuring a unique twist, the workshop utilized Canva as the platform for teaching the art of designing.



4.8 Industrial visit

1. Industrial visit at Inker Robotics, Trissur
Eight Semester Electronics & Communication engineering students of AISAT visited Inker Robotics on 22/02/24 as a part of their industrial visit. An engaging leader in the world of machines and robots, INKER promotes inspired robotics solutions, collaborative partnerships and a world class customer experience. The array of emerging technologies which are bound to impact the 4IR (Fourth Industrial Revolution) including Robotics, Artificial Intelligence, Machine Learning, 3D Printing, Internet of Things (IoT), Blockchain and Application Development were all at the core of their business. 46 students visited and experienced their working units.



2. Grapes Genix Technical Solutions Pvt Ltd

Eight Semester Electronics & Communication engineering students of AISAT visited Grapes Genix Technical Solutions Pvt Ltd on 22/02/24. Grapes Genix is an initiative with objectives of offering advanced technological solutions in the fields of Information Technology (IT) and Information Technology Enabled services (ITES) including Software Development, Web Designing/Development, Domain Registration/Hosting, Technical Support, Mobile Application Development, Search Engine Optimization and Software Training.



3. KEL

The students of S6,ECE visited Kerala Electrical and Allied Engineering Co Ltd (KEL), Mamala on 02/02/2024 as a part of their academic industrial visit. This unit is one of the first transformer industry in Kerala to obtain BIS certification for distribution transformers. It provided an insight into the latest technological advancements in the transformer production for the students. A total of 52 students and one faculty visited this industry.



4.9 MoU signed

1. Liried Techn Pvt Ltd

Liried is professional software development Company with extensive experience in providing IT solutions globally. Department of ECE signed an MoU with Liried Techn Pvt Ltd on 17th Oct, 2023.

2. DADB

An academic MoU was signed with DADB (Deutsche Akademie fur Digitale Bildung), – German Academy for Digital Education on 17th Nov, 2023. DADB provides the courses in Communication Engineering.

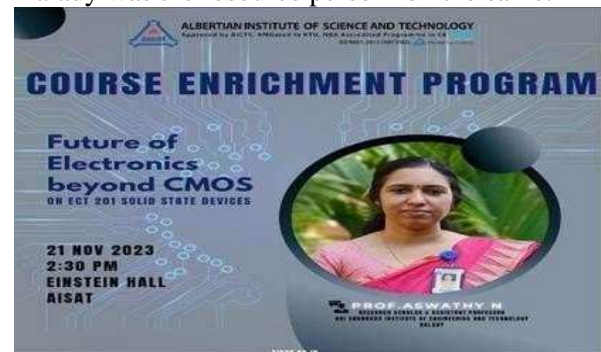


3. NAVA Design & Innovation Pvt Ltd

Nava Design & Innovation Pvt Ltd is an Agri-tech startup company that works towards bringing AI & Robotics to enrich the agriculture sector. The primary focus of the company is to help farmers and FPOs gain better profits and increase productivity to meet the National and International demand. An MoU was signed with NAVA Design & Innovation Pvt Ltd on 17th Oct, 2023.

4.10 Innovative Practices (course enrichment)

- A course enrichment program on Future of Electronics beyond CMOS was organized on 21st Nov 2023 in the Einstein Hall. Prof. Aswathy N from Adi Sankara Institute of Engineering & Technology, Kalady was the resource person for the same.



- A course enrichment program on Analog IC Design and Real-Life applications was organized by the Department of ECE in association with EACE on 6th Oct, 2023 at A503. Dr. Saju A, Associate Professor, Dept of ECE was the resource person for the same.



5. Department of Computer Science and Engineering

5.1 FDP attended by faculty

Sl. No.	Name of the Faculty	Title of the FDP	Organized by	Date(s)
1.	Nisy John Panicker	FDP on Blockchain and Security in Computing	Sree Narayana Gurukulam College of Engineering	14.08.2023 to 19.08.2023
2.	Nisy John Panicker	FDP on Building Advanced Data Analytics Applications with Cloud	AICTE-ATAL and Edunet Foundation	04.12.2023 to 08.12.2023
3.	Nisy John Panicker	FDP on Exploring Explainable and Generative AI in Contemporary Machine Learning	AICTE-ATAL and Adi Sankara Institute of Engineering and Technology	15.01.2024 to 20.01.2024
4.	Chinnu Edwin A	FDP on building advanced Data Analytics application with Cloud	AICTE-ATAL,EY,Skill India, Edunet	08.01.2024 to 12.01.2024
5	Chinnu Edwin A	FDP on Cyber Security and Forensics	Mangalam College of Engineering, Ettumanoor	22.01.2024 to 26.01.2024
6.	Chinnu Edwin A	FDP on Cyber Security and Blockchain Technology	Rajagiri Engineering College, Kakkanad	31.07.2023 to 4.08.2023
7.	Dr. Jeswin Roy Dcouth	ATAL FDP on "Novel Materials - Theory, Simulations and Applications" organized	Model Engineering College, Ermakulam	06.11.2023-11.11.2023
8.	Dr. Jeswin Roy Dcouth	FDP on AI Trends and Industry Use Case	FISAT, Karukutty	25.10.2023 to 31-10-2023
9.	Dr. Jeswin Roy Dcouth	STTP on Machine Learning with TensorFlow	ICT Academy Kerala, Thiruvanthapuram	22.11.2023 to 23.11.2023
10.	Riya Rajan	FDP on Cyber Security and Forensics	Mangalam College of Engineering , Ettumanoor	22.1.2024 to 26.1.2024
11.	Amritha Soloman	FDP on Cyber Security and Forensics	Mangalam College of Engineering	22.01.2024 to 26.01.2024

12.	Amritha Soloman	FDP on recent advances in computing	Mahaguru Institute of Technology	29.01.2024 to 2.02.2024
13.	Amritha Soloman	FDP on Research Foundations and perspectives of Data Science and Deep Learning	Vidya Academy Of science and Technology	12.2.2024 to 14.2.2024

5.2 Achievements by faculty

Sl. No.	Name	Type	Achievement
1.	Sebin Jose	Resource Person	IEEE workshop, Ignite Imaginations & Inspire Iconic Innovations i5 at Kerala University of Digital Sciences, Innovation and Technology (Digital University Kerala) On 01/03/2024
2.	Dr. Jeswin Roy Dcouth	Track Chair in Conference	CSE track chair at International Conference on Advanced Computing Communication and Electrical Systems '24 at KMEA Engineering College, Ernakulam on 22.02.2024
3.	Dr. Jeswin Roy Dcouth	External Evaluator	Young Innovators Program, Project External Evaluator, Kalamassery on 23.02.2024
4.	Dr. Jeswin Roy Dcouth	Resource Person	ATAL FDP On Optimisation Techniques for ML/AI, RSET, Kakkanad session on Importance of optimization in model training, hyperparameter tuning in grid search and random search problem-solving on 08.01.2024

5.3 Student Achievements

Sl. No.	Name	Type	Achievement
1	Ritesh Chhetri, Nazal Thanzeer VN, Antony P Juby (S8 Students)	Hackathon	Third prize in INKRIT 2.0 Hackathon hosted by Department of Computer Applications, MES College Marampally on 22nd and 23rd February 2024.
2.	Soumya Annie Thomas, Mathew Steeve V A (S8 Students)	Basketball tournament	Participated in STRIKE 3'S Basketball Tournament conducted by Adi Shankara Institute of Engineering and Technology (ASIET) on 01/04/2023 as part of BRAHMA'23
3.	Hredya Vijay and Sanjo VJ (S6 Students)	NSS	Selected to National Integration Camp
4..	Soumya Annie Thomas	Badminton Tournament	Participated in KTU D ZONE Badminton Tournament, conducted by APJAKTU on 19/10/2023

5.	Soumya Annie Thomas, Mathew Steeve V A, Hredya Vijay, Jasmine Maria Binoy, Ann Mary Anil	Basketball Tournament	Quarter Finals Qualifiers KTU D ZONE Basketball Tournament, conducted by APJAKTU on 30/10/2023
6.	Soumya Annie Thomas	Table Tennis	First Runner Up in KTU D ZONE Table Tennis Tournament, conducted by APJAKTU on 02/11/2023.
7.	Soumya Annie Thomas	Table Tennis	Participated in KTU Inter Zone Table Tennis Tournament, conducted by APJAKTU on 14/11/2023
8.	Hredya Vijay, Jasmine Maria Binoy (S6 Students)	Basketball tournament	Secured 3rd position in STRIKE 3'S Basketball Tournament conducted by Adi Shankara institute of Engineering and Technology (ASIET) on 02/03/2024 as part of BRAHMA'24
9.	Soumya Annie Thomas, Mathew Steeve V A (S8 Students)	Basketball tournament	Secured 3rd position in STRIKE 3'S Basketball Tournament conducted by Adi Shankara institute of Engineering and Technology (ASIET) on 02/03/2024 as part of BRAHMA'24
10.	Fathimathu Swafa, Fathima Parvin	Hackathon	First Prize in Hack-a-week organized by IEEE SB CET and IEE SB GECT during 20th to 27th May 2023
11.	Soumya Annie Thomas, Hredya Vijay, Jasmine Maria Binoy, Ann Mary Anil	Basketball Tournament	First prize in Mamba Mentality Basketball Tournament conducted by TKM Engineering College on 29/04/2023

5.4 Extension activities

- Prof. Divya Mohan was the external lab examiner at Rajagiri School of Engineering for the course Data Structures on February 5th and 6th, 2024.
- Dr. Jeswin Roy Dcouth as evaluator of paper presentation held in the Young Innovators Technical Summit 2024 on 23rd February 2024 at Government Polytechnic College Kalamassery.
- Prof. Sebin Jose served as resource person IEEE workshop, Ignite Imaginations & Inspire Iconic Innovations i5 at Kerala University of Digital Sciences, Innovation and Technology (Digital University Kerala) On 01/03/2024
- Dr. Jeswin Roy Dcouth served as the technical CSE track chair at International Conference on Advanced Computing Communication and Electrical Systems '24 at KMEA Engineering College, Ernakulam on 22.02.2024
- Prof. Divya Mohan performed as Question Paper setter for the KTU part time examination December 2023 for the course Computer Organization and Architecture.
- Dr. Jeswin Roy Dcouth served as the resource person in ATAL FDP On Optimisation Techniques for ML/AI, RSET, Kakkad session on Importance of optimization in model training, hyperparameter tuning in grid search and random search problem-solving on 08.01.2024

5.5 Proposals for FDP / Research funding submitted or received

Name of Faculty	Title FDP	Duration	Amount	Funding Agency	Status
Sebin Jose, Dr. Jeswin Roy Dcouth	Artificial Intelligence and Business Intelligence	6 Days	50000	AICTE	Pending approval

5.6 Department association/ professional society activities

- Seminar on "Understanding UI/UX: Concept, Implementation, Industry Relevance, Learning Pathways, and Future Prospects" by Design Lead, Rahul RS, TGH on 6th March 2024.
- Technical Talk on Exploring Web Servers and Clients: How They Function" by Technical Lead, Amjad CP, TGH on 6th March 2024.
- Inter - Department Cricket Tournament Hosted by ENIAC and Department of CSE on 4th March 2024.
- Technical talk on AI Tools by Prof. Riya Rajan on 28th February 2024.
- Workshop on Mastering Fundamentals of Networking concepts was conducted on 7th February 2024 at 2 p.m at DBMS Lab. The resource person was Mr. Brodwin B, Lab Assistant, CSE Department.
- Talk on ‘Career opportunities for CSE’ was conducted on December 21st 2023. The speakers were Samyukth Darmarajan (Batch 9, S8 student, placed in Terawe) and Sahadiya Siddheeq(Batch 10 student).
- A Workshop on demo on e-box was conducted on 20th November 2023.
- Codecrafters – Introduction to Linux GitHub, Python and Flask Bootcamp was conducted by TinkerHub AISAT in association with Computer Science and Engineering from 9th September 2023 to 13th September 2023.
- Session on IT Awareness by M-Squared Team in association with CSE Department was conducted on October 6th 2023.

- Tech talk on “Beyond the Pages” by Kurian Jacob, Chief Operating Officer, Tinkerhub was conducted on 26th September 2023 at Da Vinci Hall.
- Android application of AISAT Connect was launched on 27th September 2023.

5.7 Industrial Visit

- S2 CSE students (2023-2027) visited Community Skill Park, Kinfra, North Kalamassery on 3rd and 4th of October 2023 and attended an AR/VR/MR seminar.
- S8 CSE students (2020-24) visited CSIR - National Institute of Oceanography, Goa.
- S8 CSE students (2020-24) visited Eduport Academic Research Center Pvt Ltd, Kozhikode



Innovative Practices (course enrichment)

- Idea pitching on industrial safety.
- Demo on computer hardware and system configuration.
- Add on course on Advanced Python Programming

2. Internal Quality Assurance Cell (IQAC– AISAT)

IQAC shoulders the responsibility of ensuring quality in all academic activities following the guidelines of KTU, ISO, NBA and NAAC. It functions as a body coordinating external auditing and accreditation processes. It also coordinates the activities of the Department Quality Assurance Cell (DQAC) at various departments. DQAC monitors the quality aspects of academic activities of the department in line with IQAC. The IQAC executive committee meets periodically for the effective execution of plans related to accreditation and quality procedures. During the academic year 2023-24, we supported the departments of ECE and CSE towards the goal of obtaining NBA Accreditation and the accreditation is valid from 31.07.2023 to 30.06.2026. NBA Expert team visit for UG programs in CSE and ECE was held from 27th Oct to 29th Oct 2023. We have also extended support to the departments of ME and EEE towards submission of the NBA SAR during February 2024 with CAY as 2023-24. NBA SAR review meetings for departments of ME and EEE were held in IMC from January 2024 to Feb 2024. Our institution also submitted data for India Rankings 2024 during January 2024. As NIRF uses quantitative methods for evaluation, participation in the ranking process would help us to gain valuable insights through feedback from such a structured rating system across the following parameters: teaching, learning and resources; graduation outcome; research and professional practices; outreach and inclusivity; and perception.

IQAC also supported the KTU Audit which was held on 19th July 2023. Dr. Alby S., Associate Professor, Dept of CA, SNGCE and Dr. Mary Lissy P.N., Associate Professor, Dept. of CE, MITS were the auditors.

IQAC coordinator Ms. Anu Antony handled various sessions on Outcome Based Education for the students as the part of Student Induction Program conducted during 5th to 16th September 2023.

Refresher Program for OBE was organized for faculty especially for the newly joined faculty on 3rd October 2023 by the IQAC Team. Ms. Anu Antony, IQAC Coordinator and Ms. Kanaka Xavier, NAAC Coordinator handled the sessions.

Faculty Advisor Orientation Programme was conducted by IQAC and Mr. Vishnu prasad, Assistant Professor, Department of ECE was the resource person.

The program focused on the role of advisors in mentoring and providing academic, personal, and professional counseling.

The institution is also embarking on its journey towards autonomy and as part of that has initiated the preparation towards NAAC accreditation. As an initial step, HEI registration of our college was completed in the month of July 2023. Ms. Kanaka Xavier was chosen as NAAC Coordinator. Criteria teams were formed and the current status of the college was evaluated. Criteria Teams presented SWOC analysis before IMC during August 2023. Measures are being implemented in different facets to improve the grades. Mandatory cells/committees required for NAAC were constituted from 2023-24 academic year onwards. Awareness about NAAC was provided to first year students during the Student Induction Programme held during September 2023. ISO MR Team manages the Quality Procedures practiced in our institution. Following policy documents were presented for suggestions and approval in the GB meeting held during October 2023: Attendance policy, Promotion policy, Internship policy, Industrial visits policy and Add on courses policy. All modifications suggested were approved by GB.

Internal Audit Cell (IAC) conducts institution level audits twice in a semester. Additionally, monthly department-level audits are conducted by IAC representatives, overseen by Heads of Departments (HODs) to ensure the continuous quality assurance of academic activities within each department. The internal audit for the 2023-24 ODD semester was held from 10th to 11th October 2023, and from 16th to 17th January 2024. Among the notable observations, there was a suggestion to enhance course enrichment activities across all departments. Furthermore, it was recommended to integrate higher-level Bloom's taxonomy questions into assignments, internal exams, or course projects. It helps assess students' critical thinking and application skills rather than just their ability to recall information and enhances overall learning outcomes.

CLUB/CELL ACTIVITIES

3. National Service Scheme (NSS) programs conducted

3.1 Gandhi Jayanti State Level Event

As part of Gandhi Jayanthi NSS Unit 506 & 301 of Albertian Institute of Science and Technology in association with APJAKTU NSS CELL conducted a state level program. All events under this program were conducted via online and was open for all students under KTU. The programs included Poster making competition and Cartooning competition.

3.2 PACE - Awareness Session

NSS Units 301 & 506 conducted a Road Safety Awareness Class as a part of PACE. PACE is the new flagship initiative of the National Service Scheme highlighting the importance of Road Safety. The session was handled by Joseph Mathew and Mohammed Rashid Riaz of S5 ME

3.3 Safe Energy Conservation Campaign

NSS Units 506 & 301 of Albertian Institute of Science and Technology organized an energy conservation campaign "SAFE". As a part of this an awareness poster was circulated in every class.



3.4 Cloth Donation Drive

NSS Units 506 & 301 conducted a Cloth Donation Drive for Goonj. A collection was kept and the students dropped in the used clothes. The primary objective of this cloth donation drive was to collect gentle used clothing items to provide to those in need and promote community welfare.

3.5 Swachhata Hi Seva

As part of Swachhata Hi Seva, NSS Units 506 & 301 of Albertian Institute of Science and Technology organized a cleaning initiative at Kadamakkudy, our adopted village. The volunteers actively participated in the cleaning initiative. More than 40 volunteers were a part of this initiative.



3.6 NRPF Orientation

NSS Units 506 & 301 of Albertian Institute of Science and Technology organized "NRPF Orientation" on November 11, 2023. Aleena (ASIET) and Farzana (KMEA), Ernakulam-regional coordinators of NRPF led the session.



3.7 Ormikkan Oru Dinam – Old Age Home Visit

NSS Units 506 & 301 of Albertian Institute of Science and Technology visited the Abhaya Old Age Home on November 11 2023 as a part of Diwali. The volunteers spend their Diwali with them. The volunteers shared their happiness with a cake.



3.8 Children’s Day

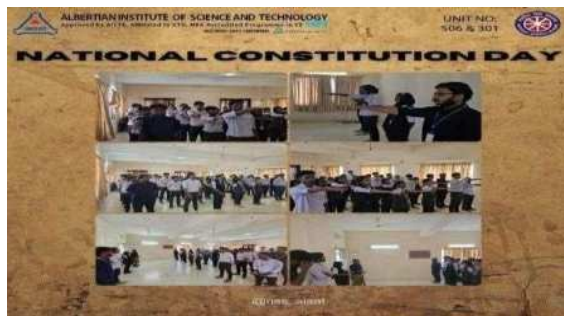
NSS Units 506 & 301 of Albertian Institute of Science and Technology celebrated Children's Day by distributing Colouring Books and Colouring Pencils to our adopted school - Pallilamkara School, Kalamassery.

3.9 NSS National Integration Camp Selection

Sharon Sha of S5 ME was selected (waiting list) for NSS National Integration Camp at Madurai. It is a proud achievement for being selected as one among the 8 volunteers to represent KTU NSS cell.

3.10 Constitution Day Pledge

NSS Units 506 & 301 of Albertian Institute of Science and Technology celebrated Constitution Day on 27th November by taking the pledge and learning more about Constitution and its importance.



3.11 World Aids Day

NSS Units 506 & 301 of Albertian Institute of Science and Technology celebrated World Aids Day by sharing the small token of tag to initiate awareness of the day.



3.12 Slogan Making Competition

NSS Units 506 & 301 of Albertian Institute of Science and Technology organized a catchy slogan making competition in connection with National Conservation Day on 14th December 2023. Alna Shine of S3 Civil won the competition.



3.13 Sasneham oru Oonu

NSS Volunteers of AISAT cherished this Christmas season by distributing a meal for the needy on 12th December 2023.



3.14 Arike

A day to remember, filled with lots of emotions, laughter, fun and a ton of memories. NSS AISAT cherished their festive season at Vimukthi Special School by spending a day with them.

3.15 Certificate Distribution Ceremony

The certificates of the NSS Volunteers (Batch 2021-23) were distributed on January 25, 2024. These certificates are the badges of honour for their selfless service and hard work in NSS.

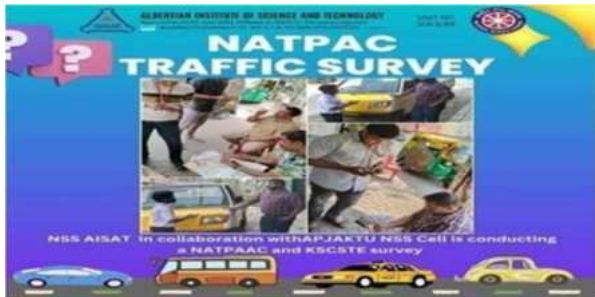
Each volunteer was called and the certificate was handed over by the Principal and Vice Principal. The certificates were given to all the volunteers who have completed all the necessary activities in their service period that include participation in various activities like 7-day special camp, tree tagging, blood donation etc.

3.16 Republic Day Celebrations

NSS Units 506 & 301 of Albertian Institute of Science and Technology observed Republic Day on January 26. The celebration began with the hoisting of the national flag by Fr. Manoj Francis Marottickal, Assistant Manager, AISAT at College. The entire gathering stood in solemn unity as the national anthem played, symbolizing respect for the nation and its ideals. The Principal and Assistant Manager shared their message of the day to volunteers. The celebration concluded with the distribution of sweets, symbolizing the sweetness of unity and harmony among the diverse sections of society.

3.17 NATPAC Survey

NSS Volunteers of Units 506 & 301 of Albertian Institute of Science and Technology completed the NATPAC and KSCSTE survey in collaboration with APJAKTU NSS Cell. Volunteers approached different people to collect their data.



3.18 Blood donation camp

AISAT NSS Unit 301 & 506 in association with IMA Kochi Blood Bank and HDFC Bank organized a Blood Donation Camp on 14th February 2024 at Einstein Hall, AISAT. The camp was inaugurated by our principal Dr. Veena V. The camp was held till noon giving opportunity for the students, faculty and non-teaching staffs to be a part of the blood donation. Volunteers organized and were presently active in maintaining smooth functioning of the event.



Blood donors were honored by presenting a certificate and a gift as the token for their great contribution. **60 units of blood** were collected and transferred safely to blood bank.

3.19 NSS National Integration Camp Selection

Hredya Vijay and Sanjo V J of S6 CSE has been selected to National Integration Camp. It is a proud achievement for being selected among the 15 volunteers to represent KTU NSS cell.

3.20 Sneharamam

AISAT NSS Unit 301 & 506 created a vegetable garden at Pallilamkara LP School, Kalamassery as part of the Govt. of Kerala's "Sneharamam" campaign. The project was conceived under the Malinya Muktham Nava Keralam campaign, Local self-government institutions (LSGIs) and the Kerala Solid Waste Management Project (KSWMP). The program was inaugurated by the school principal Mr. Benny Joseph. NSS volunteers along with the students of the school actively participated in the program.

3.21 Neighbourhood Youth Parliament

Nehru Yuvakendra Ernakulam in association with NSS unit of Adi Shankara Institute of Engineering and Technology, Kalady organized Neighbourhood Youth parliament on 28/02/2024. Aman Roshan and Rizwan K R of S4 ME won the third prize for the quiz competition conducted as part of the event.

4. International Affairs Committee

The activities of International Affairs Committee began with a meeting held on November 16, 2023 wherein a discussion was made on its objectives and the thrust areas to be focused upon.

4.1 MoU with Santamonica Group of Companies

Albertian Institute of Science and Technology (AISAT) and Santamonica Group of Companies signed an MoU on January 1st, 2024 with an intention of advancing the internationalization of education in line with the National Education Policy 2020 (NEP2020). The collaboration intends to leverage AISAT's expertise in fostering global connections with higher education institutions worldwide, facilitating multifaceted opportunities for academic exchange, joint research ventures, and skill enhancement.

4.2 MoU with St. Anne's College of Engineering and Technology

AISAT, Kalamassery has signed MoU with St. Anne's College of Engineering and Technology, Cuddalore.



4.3 MoU with Andhra Loyola Institute of Engineering and Technology

AISAT, Kalamassery has signed MoU with Andhra Loyola Institute of Engineering and Technology, Vijaywada.

4.4 International Webinar on "Data Science and Applications"

AISAT, Kalamassery in association with International Affairs Committee organised an International Webinar on "Data Science and Applications" through Zoom platform on March 4, 2024. The Resource Person for the same was Prof. Dr. V L Raju Chinthalapati, Reader and Programme Director of M.Sc. Data Science, Department of Computing, Goldsmiths, University of London. The webinar was attended by over 200 members from AISAT consisting of faculty members and students.



5. College Sports Council

5.1 Interhouse Sports Matches

Annual inter house sports tournament was hosted from 13th November, 2023 to 28th November, 2023. Detailed list and schedule of event is listed below.

WEEK	SL NO	SCHEDULE DATE			EVENT	DETAILS
		DATE	DAY	TIME		
WEEK 1	1	11/13/2023	Monday	3:40PM	Cricket - Boys	Match 1
	2				Table Tennis - Boys & Girls	Match 1
	3				Catchball - Girls	Match 1
	4			02:00PM	Chess	-
	5	11/14/2023	Tuesday	3:40PM	Cricket - Boys	Match 2
	6				Table Tennis - Boys & Girls	Match 2
	7				Catchball - Girls	Match 2
	8			02:00PM	Chess	-
	9	11/15/2023	Wednesday	3:40PM	Cricket - Boys	Match 3
	10				Table Tennis - Boys & Girls	Match 3
	11				Catchball - Girls	Match 3
	12			02:00PM	Chess	-
	13	11/16/2023	Thursday	3:40PM	Cricket - Boys	FINAL
	14				Table Tennis - Boys & Girls	FINAL
	15				Catchball - Girls	FINAL
	16			02:00PM	Chess	-
	17	11/17/2023	Friday	3:40PM	Volleyball - Boys	Match 1
	18				Khokho - Girls	Match 1
	19				Basketball - Boys & Girls	Match 1
	20			4:40PM	Volleyball - Boys	Match 2
	21				Khokho - Girls	Match 2
	22				Basketball - Boys & Girls	Match 2
	23				02:00PM	Carroms
WEEK 2	24	11/20/2023	Monday	3:40PM	Volleyball - Boys	Match 3
	25				Khokho - Girls	Match 3
	26				Basketball - Boys & Girls	Match 3
	27			02:00PM	Carroms	-
	28	11/21/2023	Tuesday	3:40PM	Volleyball - Boys	FINAL
	29				Khokho - Girls	FINAL
	30				Basketball - Boys & Girls	FINAL
	31			2:00PM	Carroms	FINAL
32	11/22/2023	Wednesday	3:40PM	Football - Boys & Girls	Match 1	

	33				Badminton - Boys & Girls	Match 1
	34			4:40PM	Football - Boys & Girls	Match 2
	35				Badminton - Boys & Girls	Match 2
WEEK 3	37	11/27/2023	Monday	3:40PM	Football - Boys & Girls	Match 3
	38				Badminton - Boys & Girls	Match 3
	39	11/28/2023	Tuesday	3:40PM	Football - Boys & Girls	FINAL
	40				Badminton - Boys & Girls	FINAL

Detailed score team list of all houses, score sheets & results of all the sports events conducted are filed.



5.2 KTU Inter College Matches

Our College Sports team participated in various KTU Inter College matches, Details of which are given below.

Sl. No.	EVENT	VENUE	DATE	POSITION
1	Badminton Womens	Muthoot Institute of Technology and Science	19/10/2023	1 st Round
2	Basketball Womens	Muthoot Institute of Technology and Science	30/10/2023	1 st Round
3	Basketball Mens	Muthoot Institute of Technology and Science	30/10/2023	Quarter Finals
4	Table Tennis Mens	FISAT	2/11/2023	1 st Round
5	Table Tennis Womens	FISAT	2/11/2023	Finals
6	Volleyball Mens	Muthoot Institute of Technology and Science	28/11/2023	1 st Round
7	Football	Muthoot Institute of Technology and Science	4/12/2023	1 st Round
8	Karate Mens	Mar Athanasius College, Kothamangalam	20/12/2023	Overall Champions



6. AISAT Alumni Association

6.1 Seventh Annual alumni meet

The Seventh annual Alumni meet of AISAT Alumni Association was held on 17.02.2024, 5.00 p.m. at college campus following department wise gathering. Around 47 Alumni and whole college staff were present for the program.

The meet started with a silent prayer followed by the welcome address by Ashlin Joshy, Chair person. During his speech, he mentioned the significance of developing connections among alumni and emphasized the importance of updating them on recent developments at our alma mater.

This was followed by Assistant Manager's Address by Rev. Fr Manoj Francis Marottickal. He extended best wishes and invited potential collaborations and partnerships between alumni and the institution. In Principal's address, Dr. Veena V appreciated the alumni for their commitment in organizing an offline campus meetups following a series of online gatherings. The office bearers for the next year were selected by Prof. Paul Ansel V, Vice principal AISAT. The members thus selected are as follows:

Vice President: Omar Kayyas

Joint Secretary: Jess Boban Other Members:

1. Nihad K Abbas
2. Akhil Thomas
3. Adarsh J L
4. Sharon Lijo
5. Alma Tresa Paul
6. Nikhil P Saju
7. Adhithya Pradeep
8. Safer Alif B S
9. Deepesh Mohan
10. Sebatini Cyril

Open Forum was led by Prof. Paul Ansel V. The students discussed their experiences with AISAT and its beneficial impact on their growth. Additionally, they outlined their potential contributions to the institution in terms of knowledge and resource sharing. Meeting came to an end with vote of thanks, which was delivered by Mr. Jess Boban, Secretary AAA.



7. Industry Attachment Cell (IAC)

The Industry Attachment Cell plays a vital role in bridging the gap between academia and industry, benefiting students, universities, and companies alike. By providing students with valuable work experience and industry connections, IAC can

significantly enhance their employability and prepare them for successful careers.

Currently all Industrial visits and Internship activities that were planned and approved by IAC are given below.

INDUSTRIAL VISIT (2023-2024)							
Sl.No	Date of visit	Number of students	Industry	Semester	Department	Batch	Year
1	2/2/2024	45	Uralungal Labour Contract Co-operative Society (Chellanam Sea Wall Construction)	S8	CE	Batch 9	2020-2024
2	19/2/2024	31	Uralungal Labour Contract Co-operative Society (Chellanam Sea Wall Construction)	S2	CE	Batch 12	2023-2027
3	21/2/2024	41	Uralungal Labour Contract Co-operative Society (Chellanam Sea Wall Construction)	S4	CE	Batch 11	2022-2026
4	23/2/2024	33	Metrolla Steels Pvt Ltd, Muvattupuzha	S6	CE	Batch 10	2021-2025
5	12/2/2024	42	Goa Dairy Plant, Ponda, Goa MAK Tools, Edappally	S8	ME	Batch 9	2020-2024
6	27/02/2024	39	Hollmarc Industries, Kalamassery Micro Tools, Kalamassery	S6	ME	Batch 10	2021-2025
7	23/02/2024	50	Seablue Shipyard, Fort Vypin	S2	ME	Batch 12	2023-2027
8	2/2/2024	52	KEL (Kerala Electrical & Allied Engg. Co), Mamala , Kochi	S6	ECE	Batch 10	2021-2025
9	26/02/2024	34	CSIR,NIO,Goa	S8	CSE	Batch9	2020-24
10	28/02/2024	34	Eduport, Kozhikode	S8	CSE	Batch 9	2020-24

11	22/02/2024	46	Grapesgenix technical solution-Thrissur.	S8	ECE	Batch 9	2020-2024
12	22/02/2025	46	Inker robotics, Thrissur	S8	ECE	Batch 9	2020-2024

As per APJAKTU U.O.No.3068/2023/KTU dt 25.11.2023, students are eligible to enrol themselves for internship with stipend in S8 with approval from IAC.

INTERNSHIP (2023-2024)						
SI No	Name	Industry Name	Start Date	End Date	Semester	Department
1	Ranjini R	Vinton Engineering, Kochi	01/02/2024	6 months	S8	CE
2	Reshma G Pai					

IAC is also providing & approving value-added courses for students from all departments to enhance their industry-specific skills- soft-skills and knowledge that are highly

sought after by employers. This can give them a competitive edge in the job market and increase their chances of landing their dream job.

Course details:

ADD-ON COURSE (2023- 2024)				
SI No	Course Title	Organised By	No: of Students	Department
1	Application of BIM in civil engineering practices	BIMLABS	30	CE
2	QA/QC Mechanical	Techshore	15	ME
3	Fusion-360	BIMLABS	25	ME

8. Counselling cell

The Counselling cell works in association with the various departments of the college. The staff advisors will identify the students and will be referred to the counsellor with the help of the counselling cell in charge of the institution. Students requiring urgent help were fast-tracked for counselling very quickly and regular follow up was given to needy students. Counsellor is available at college on 3 days a week (Monday, Tuesday and Wednesday) from 10.00am-12.30pm. The interactions are kept confidential and is completely free of cost for the students. Common problems faced by the students are academic issues like lack of concentration & focus, lack of ambition, sheer laziness, behavioral & disciplinary issues like screen addiction. Psychological issues faced by students who opted for counselling are anger

management problem, anxiety, depression, obsessive compulsive disorder and borderline personality disorder. Number of students opted for counselling is 58 and staff is 5. Had discussions with HODs, advisors of respective students and parents of two students were also called for the sessions.

9. Nature club

9.1 Mime and Fashion Show

The Nature Club, known for its commitment to environmental conservation, organized a fashion show and MIME performance on 10th November 2023 at 2 PM to raise awareness about sustainability and nature preservation. By blending fashion with silent storytelling, the event aimed to engage the audience emotionally and intellectually in the cause of environmental

consciousness.

MIME conveyed powerful messages about nature conservation, pollution, and the importance of sustainable living. MIME acts were carefully choreographed to align with the overarching theme of the event, creating a synergy between silent expressions and the urgency of environmental issues.



9.2 Sustainable Fashion Showcase

The fashion show featured designers who prioritize eco-friendly materials, ethical production methods, and sustainable fashion practices. Outfits were created from recycled materials, organic fabrics, and upcycled items, showcasing how fashion can be both stylish and environmentally responsible.

The Nature Club's Eco-Friendly Fashion Show and MIME Performance succeeded in merging fashion and art to communicate a powerful environmental message. By integrating sustainability into the fashion narrative and leveraging the emotive power of MIME, the event demonstrated that style and environmental consciousness can coexist. This innovative

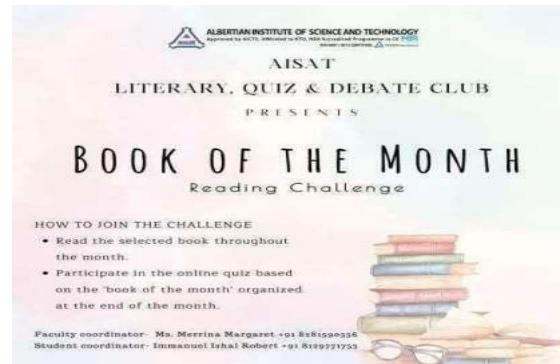


approach sets a precedent for future events that seek to inspire change and awareness through the convergence of diverse artistic expressions and social causes.

10. Literary, Quiz and Debate Club

10.1 Book of the month reading challenge

A monthly online book reading challenge was initiated in the month of December 2023, by AISAT Literary, Quiz and Debate club. The e-copy of the selected book of the month is shared to staff and students of AISAT at the beginning of the month and an online quiz based on the selected book is conducted at the end of the month to evaluate the participation for the event. The challenge is aimed at promoting love for reading among the students and the student coordinator of the challenge is Mr. Immanuel Ishal Robert.



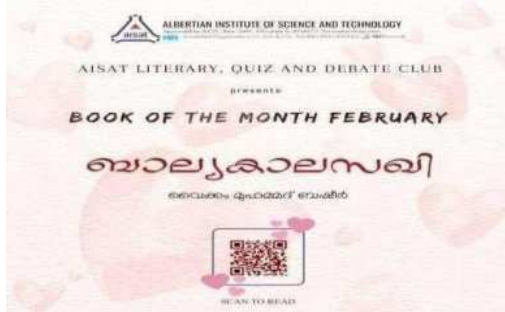
10.2 Book of the Month: December

The book selected for the month of December was the classic novella A Christmas Carols by Charles Dickens. E-copy of the novella was shared and quiz was conducted via google forms. 18 students and 1 faculty member participated in the quiz, from which 2 students were selected as winners based on their scores.



10.3 Book of the Month: February

The book selected for the month of February was the classic novella **ബാലുകാലസഖി** by Vaikom Muhammed Basheer. An E-copy of the novella was shared at the beginning of the month.



11.2 Vlog contest

In order to spark student interest in travel and exploration, a vlog contest was announced on January 25th, 2024. A theme was chosen and students were asked to submit vlogs of 5 minutes duration. Upon request the last date has been extended.



11. Tourism Club

The tourism club was newly formed during this academic year. It is managed by Prof. Rose Paul as it's Coordinator and Prof. Leon K.P. as it's Associate Coordinator. It intends to –

- Spark student interest in travel and exploration
- Educate about the tourism industry
- Promote responsible tourism practices
- Develop leadership and collaboration skills
- Forge connections with the local tourism community

11.1 World Tourism Day

The World Tourism Day was observed on January 25th, 2024.

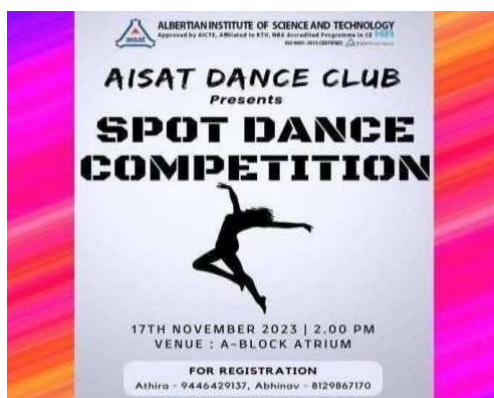


12. Dance Club

On November 17, 2023, the Albertian Institute of Science and Technology in Kalamassery conducted its Dance Club Inauguration and Spot Dance Competition. The event aims to foster a dance culture among students while also providing a forum for them to showcase their talents. Bhagyalakshmi Janardhanan, a well-known dancer and Amrita TV Super Dancer Junior 4 Finalist, attended the event as a special guest. The ceremony began with the launching of the Dance Club by Bhagyalakshmi Janardhanan, who spoke inspiringly about the importance of dance in youth culture. Following the inauguration, our visitor captivated the crowd with a riveting performance, demonstrating her dancing abilities and laying the groundwork for the club's future initiatives. Members of the Dancing Club showcased their dancing skills in exuberant dance performances that followed the ceremony.



The highlight of the event was the spot dancing competition, in which students from all departments competed enthusiastically. A panel of faculty members judged the competition, rating the performances based on choreography, synchronization, and overall presentation. After a tough competition, the winners of the Spot Dance Competition were revealed. Rohith V. R., S7 EC, won first place for his lively performance. The second place went to Nilachandhana P.R., S3 CSE, for her elegant modern dance.



The Dance Club Inauguration and Spot Dance Competition was a huge success, thanks to the enthusiastic participation of students and the support of the faculty and staff. The event not only allowed students to demonstrate their talents, but it also developed a sense of collaboration and togetherness among them. Such events are important for boosting cultural activities on campus and enriching the overall college experience.

13. Women Empowerment Cell

Women Empowerment Cell of Albertian Institute of Science and Technology play a crucial role in promoting gender equality and fostering the well-being of women in various spheres. The activities encompass a wide range, catering to diverse needs and addressing various challenges faced by women.

On 12/10/2023, at 2 pm, the first meeting of Women Empowerment Cell was conducted. The agenda of meeting was

- Formulation of Vision, Mission, Objectives
- Duty division
- Activity planning

The chairperson Prof. Kanaka Xavier presided over the function. The Convener, Dr. Leena Timothy, Secretary Prof. Chinnu Edwin A, Dr. Bindumol T V, Prof. Neethu Rose, Ms. Anila attended the meeting. After discussions, formulation of Vision, Mission, Objectives of the cell was done. Various activities that can be conducted under the cell were also discussed. Then it was decided to conduct an Inauguration of the cell and a talk on “Embrace to Empower”. Vision, Mission and Objectives of the cell were approved by Principal, Dr. S Jose.

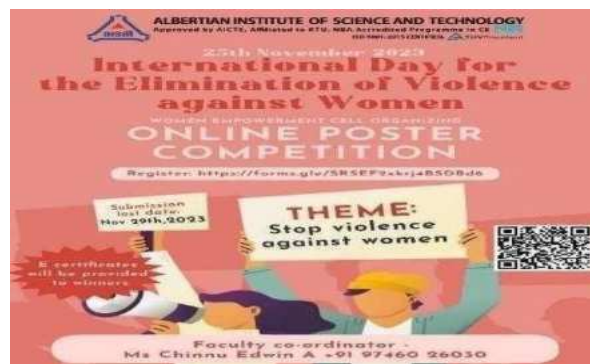
13.1 Inauguration of Women Empowerment cell

On 31/10/2024, at 2 pm, Inauguration of Women Empowerment cell was done by Dr. Uma V Sankar, Research Administrator, Aster Medcity. In her talk on "Embrace to Empower", Dr. Uma spoke about the importance of women embracing their own power and potential. She said that women are often told to be humble and submissive, but that only serves to disempower them. She encouraged women to be proud of who they are and to stand up for their rights.



13.2 Stop violence against women

On 25/11/2023, Online Poster competition was conducted with the theme “Stop violence against women”. Many students were participated in the competition. The winner list was also published.



13.3 National Girl Child Day

On 11/01/2024, second meeting of the cell was conducted. Various activities to be conducted were planned. It was decided to publish a poster on National Girl Child Day which is celebrated on 24th January ever year.



13.4 Talk on “Breast cancer Facts and Myths”

On 07/02/2024 at 2 pm, a talk on “Breast cancer Facts and Myths” was organized. The speaker was Dr. Annu Susan George, a renowned medical oncologist. The talk aimed to educate and empower participants with accurate information about breast cancer. Dr. Annu Susan George addressed various aspects of the disease, dispelling common myths and presenting factual information.



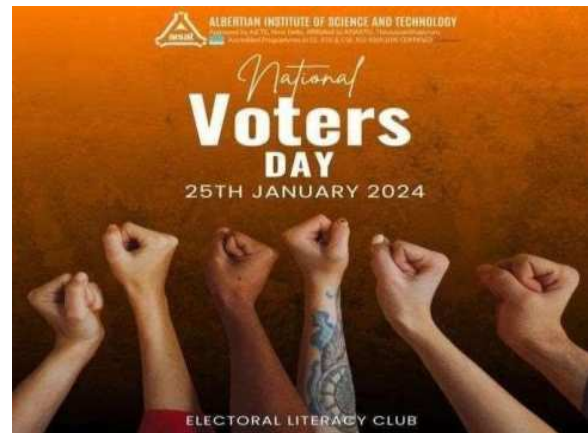
13.5 International Women’s day

On 29/02/2024, at 3 pm, third meeting of the cell was conducted. It was decided to conduct activities in connection with International Women’s Day which is celebrated on March 8th ever year.

14. Electoral Literacy Club

14.1 Electoral Literacy club activities 23-24

The club is expanded by nominating Mr. Antony C B, S8 ME as Student coordinator, and Ridhin Devassykutty S4EEE, and Ms. Noorjahan P S, S6ECE as students’ members. The club celebrated the national voter’s day on 25th January 2024 to make awareness about the importance of voting among the students of AISAT.

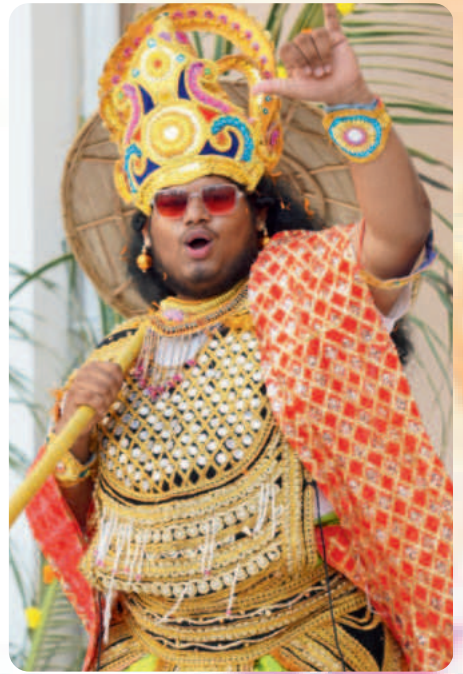


14.2 Inauguration of Electoral Literacy Club

Dr. Bindumol T V, faculty coordinator addressed the gathering and delivered a welcome speech. Shri K Soman, Addl. District & Sessions Judge for trial of cases relating to atrocities and sexual violence against women and children, Ernakulam inaugurated the club activities by lighting the lamp at Einstein Hall AISAT on 15.02.24.



ആരവം '23



Investiture Ceremony



Fresher's Day

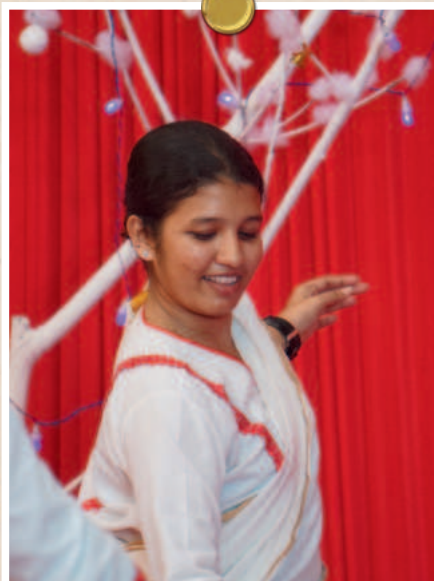


Zealousta'23





Santazen 26 23



Meri Jaan





Holi 2024



ARE YOU HAPPY?

That's the common question among people these days. Well, there is always an answer to that but people never try to find it. And happiness is the art of staying young while growing old. The art of living life in a way that a person is always inspired to remain focused on their goal. Well, we should look at the intent of our life by ourselves.

Everyone is in a race, competing against each other and going head-to-head. Their only motive in their life is to knock down everyone else. In the scenario, people try to sweep everything. Everyone is self-occupied and they lack euphoria in their life. What do you aspire to?. What is your intent of living?. We should ask ourselves these questions.

First, look at the positive side of everything. Trust whatever happening in our life is for us. And stop thinking of yourself as a victim.

Life is very pleasant and delightful, but it might be possible that you would not be able to understand the way of living. They say a person needs just three things to be truly happy in this world: someone to love, something to do, and something to hope for.

Happiness depends on ourselves. It is not ready-made. It comes from our



own actions. If you want happiness for an hour- take a bath, if you want happiness for a day- go fishing, if you want happiness for a year- inherit a fortune but if you want happiness for a lifetime- go help someone else.

Don't underestimate the value of doing nothing, of just going along, listening to all the things you can't hear, and not bothering. Some cause happiness wherever they go; others whenever they go. Very little is only needed to make a happy life; it is all within yourself, in your way of thinking.

Happiness is nothing more than good health and a bad memory. Life is like a novel and every day is like a page. If one page is sad, the next will be happy. So don't worry turn the page and enjoy your life...

RIYA ROY
S2 ECE

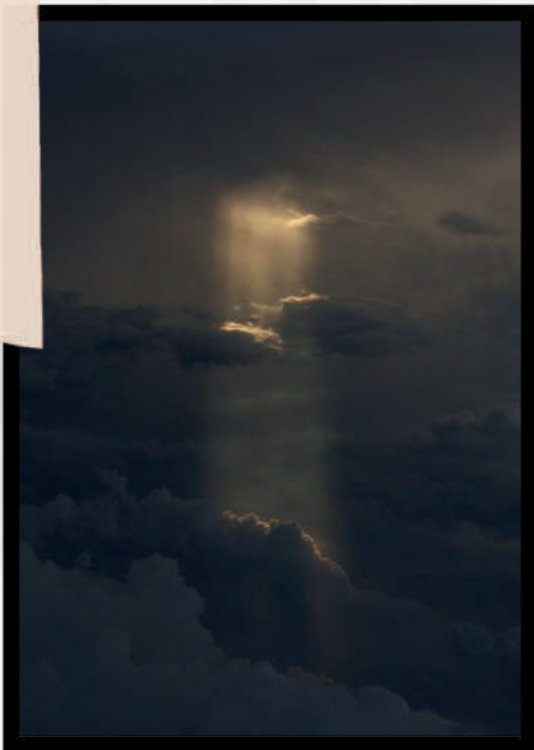
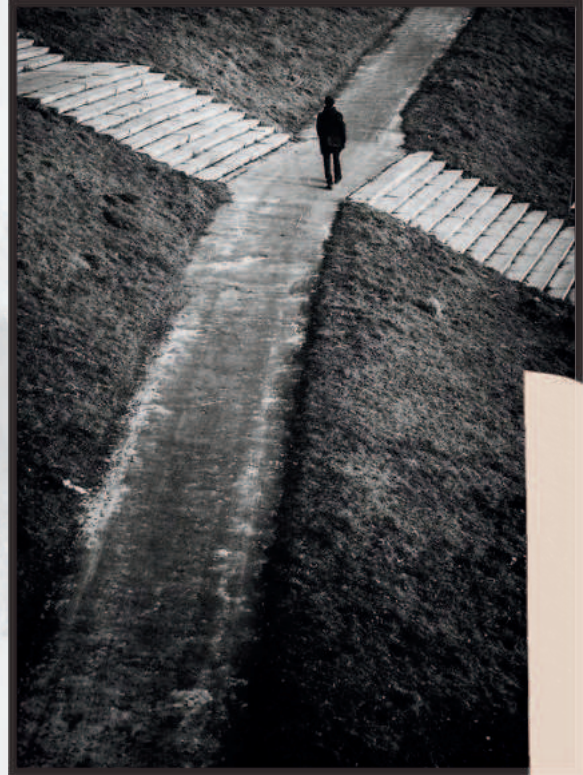
CROSSROAD

Our hearts are paralyzed
Our head overweight
Cause we took the high road
Little did we know that it's going
to be this high!!!

Nevertheless we are doing great
Let the time prove it..

Time made us meet in this crossroad
The same time will take us to our dreams.
Betterluck!

SAFA KUNJU MOHAMMED
S2 ECE



HOPE

In the quiet echoes of my broken dreams
I began to create a verse of my dead love
Can't believe I lost someone
For whom I cared with all my heart
The sun started to fade into the dark clouds
At the very moment,
He became the brightest star in the sky
Farthest yet the closest one to my heart
I lost the warmth in my life
My soul became cold
Living in the hope of meeting him some day
Hope, the slightest flicker of light
Which can even make the darkness shine.

SARISHMA A R
S7 ECE

Debunking Misconception: The truth about Women Empowerment.



When we talk about women empowerment, the focus is rightly on uplifting and advancing women in society. However, what often goes unnoticed is the significant positive impact that women's empowerment has on men as well. Far from being a zero-sum game, women empowerment benefits men in various ways, fostering healthier relationships, promoting gender equality, and enhancing overall societal well-being.

Then Why are so many individuals resistant to the idea of empowering women? Is it a perceived threat to cultural norms, or does it hinge on criticisms of feminist methodologies? Or is it because of the misrepresentation of feminism by some feminists?

While the first two cases are frequently debated, the third one often doesn't receive as much attention in discussions. In the media, particularly in Bollywood, feminism has often been depicted in a negative light, portraying women as bossy, promiscuous, and harboring hatred towards men, traits that are considered undesirable even for men.

Indeed, the negative portrayal of feminism in the media can contribute to hesitancy towards embracing feminist ideals. However, true women empowerment lies in educating people that feminism is not a threat, but rather about advocating for equal opportunities for women. By promoting understanding and dialogue, we can work towards building a society where everyone, regardless of gender, can thrive and contribute to their fullest potential.

I hope that in the future, feminists will prioritize educating people about feminism instead of portraying it as a characteristic of a narcissistic individual.

**ANTONY RUBENS
S2 CSE-B**

Ode to a Friend

Move-in day, begin a new phase,
Roommates and hallmates, unfamiliar faces.
First days of class, taking in all that's new,
That's when I first happened to meet you.

Study sessions, coffee runs late at night,
You made freshman year feel fun and bright.
All-nighters before exams we'd pull,
Motivating each other when spirits lulled.

The stress and the struggles we helped each other through,
In college I found a real friend in you.
We'd share college woes and late-night laughter,
You got me through those years, and what came after.

As graduation came, we took different paths,
But our bond still lasts.
Those college days are now memories so dear,
I'm so grateful for the friendships forged here.

For all the laughs, talks, and memories shared,
True friends like you are so rare.
Though we went different ways, you left your mark,
Thank you, my friend, for lighting my path through the dark.

Years may pass but our friendship still stands,
You're the best friend made from my college days.

ALIYA A HAKKEEM
S8 CE

Capturing Life's Essence: The Art and Inspiration of Photography

In a world saturated with fleeting moments, where time seems to slip through our fingers like grains of sand, photography stands as a testament to our desire to immortalize the beauty that surrounds us. It is more than just a skill; it is a form of art that captures the very essence of life itself. Photography is a magical journey that allows us to freeze time, telling stories with each click of the shutter and revealing the extraordinary in the ordinary.

At its core, photography is not merely about pointing a camera and pressing a button. It is about perspective, vision, and the ability to see the world through a unique lens. It is an art form that encourages us to find beauty in unexpected places, to appreciate the interplay of light and shadow, and to frame moments that may otherwise be lost to the passage of time.

Photography is an art that transcends language and cultural barriers, connecting people across the globe through shared visual experiences. It serves as a universal language that speaks to the human experience, allowing us to appreciate the diversity of our world while recognizing the common threads that bind us together. It enables us to document history, express creativity, and share perspectives. Whether capturing the vibrant chaos of a bustling cityscape or the serene simplicity of a solitary sunset, each photograph adds a unique chapter to the collective narrative of human existence.

Moreover, photography is a journey of self-discovery. Aspiring photographers, take heed: your camera is not just a device; it is a portal to a world of endless possibilities. Embrace the challenges, relish the triumphs, and let the art of photography be a guide on your journey of self-expression and discovery. Remember that every photograph has the potential to inspire, to move, and to create a lasting impact.

In the grand shade of life, photography is the thread that weaves moments into memories and transforms the ordinary into the extraordinary. So, pick up your camera, explore the world through your unique lens, and let the art of photography be your inspiration to capture the beauty that surrounds us all.

ABY APPACHANKUTTY

S6 ME

"Echoes of Serenity: The Lost Diary of Isabella Frost"



Vincent and his friends had always been drawn to the allure of adventure, and on a hot summer day, they decided to spend their afternoon at the secluded Blue Lake. Nestled between thick woods and surrounded by nature's untouched beauty, it was the perfect spot for a day of swimming and relaxation.

As they splashed around in the cool waters of Blue Lake, Vincent felt an unusual sensation beneath his fingers. Curiosity piqued, he dove underwater and discovered a small, rusted box nestled between the rocks. With excitement bubbling within him, Vincent brought the mysterious box to the surface.

His friends gathered around as Vincent carefully pried the lid open, revealing a weathered diary inside. The pages were yellowed, and the ink had faded with time. Intrigued, Vincent began to read aloud from the first entry, written by a girl named Isabella Frost.

Isabella was a teacher who had studied MSc in applied psychology. The entries chronicled her adventures to various corners of the world, each page filled with vivid descriptions of the cultures she encountered and the people she met. However, as Vincent flipped through the pages, he noticed a shift in tone.

The entries became more introspective, detailing Isabella's struggles and heartbreaks. It was evident that she had been in a relationship that had brutally hurt her. The pain emanating from the pages was palpable, and Vincent couldn't help but feel a connection with this mysterious girl.

The last entry caught Vincent's attention the most. It simply read, "I don't want to go anywhere. Just want peace. That's enough." The words echoed in Vincent's mind, and he couldn't shake the feeling that he had stumbled upon something deeply personal.

Determined to uncover more about Isabella, Vincent decided to investigate further. He researched her online, reaching out to mutual friends, and eventually, he discovered that Isabella had left the town abruptly a few years ago, leaving behind a life that had become unbearable. With the diary in hand, Vincent felt a sense of responsibility to honor Isabella's story. He shared the entries with his friends, and together they decided to create a tribute to her. .

In doing so, they turned a chance discovery into a celebration of resilience and the pursuit of inner peace. The mysterious diary had not only connected Vincent and his friends to a stranger's past but had also inspired them to appreciate the beauty of their own lives and the strength that comes from confronting pain and finding peace within.

HANSEL T JAISON,
S2 CSE-B

An Ode to the Beautiful College Days

Sweet were the days
of semester one,
gossip, ragging, classes,
and so much fun.
Together we spent
those sleepless nights
that drama before exams,
those endless fights.
Before we got used to it,
time all but flew
the holidays were over
and it was semester two.
Attendance was a problem
but we learned to cooperate
proxies became a thing
much to the prof's hate.

JULIA RAJU
S2 CSE-A





The Authenticity of Being YOU

In a world that often celebrates traditionalism and uniformity, the journey of self-discovery and embracing one's authenticity stands as a profound and empowering endeavor. Being YOU is not just about existing, it's also about fully embracing and expressing the unique essence of who you are.

Embracing your individuality requires a deep exploration of self-awareness and acceptance. It involves peeling back the layers of societal expectations, cultural norms, and personal insecurities to uncover the core of your being.

It is not about being perfect or fitting into a predetermined mould, it's about honoring your truth and living in alignment with your values, passions, and aspirations. It's about embracing both your strengths and flaws, recognizing that they are what makes you a beautiful individual.

In a world that often pressures us to be conventional, being "YOU" is an act of self-love and having a defensive and strong opinion not only empower ourselves but also inspire others to do the same. The journey is ongoing and ever-evolving which requires constant self-reflection and growth. It's about learning to navigate the complexities of life with grace and resilience, knowing that every experience, whether joyful or challenging, contributes to the richness of our story.

So, embrace yourself to honor your passions, and dare to be unapologetically yourself. Because in a world that often tries to mould us into something we're not, being "YOU" is the most radical and liberating thing you can do.

NAJMA NAZER P
S8 CE

THE ART OF BEING SANE



Sane or simply said, the art of being rational is often disdained. The morale of being sane is undervalued in today's era. Why?

Talking about 'sanity' its all about the promotions with mental health that takes place with each and every student's with their rise in academics, that promotion is all about stress and strain and here this is not being refereed to hooke's law but the reality that the students are living in. Tests, ranks, competitions, a never-ending loop we are expected to circle on, gathering the pressure from both the society and family.

Stressful situations accompanied with academics is never same for everyone. Some people have it easy while others have it difficult. While the tasks and challenges may leap with education, the ability to perceive and rationalize thoughts is becoming occasional among students. As the steps become difficult nowadays the resilience of students is much backwards and they try to cope with it using external means. Rather than resilience the trending term should be 'depression' the most used vocabulary but the reality of students in today's world.

The most common issues begin with depression, anxiety and mood disorders. College students who have their first onset of mental illness or initiate substance use during childhood or adolescence appear to have a more pernicious trajectory and course of illness.

A study conducted in between 2001–2002 from National Epidemiologic Survey on Alcohol and Related Conditions (NESARC), a national survey on adults including 2,188 college students, data showed that only 18 % of students with past year mental health diagnoses had received treatment in the previous year Specifically 15 % of students with a diagnosis of anxiety disorder, and only 5 % of those with an alcohol or drug disorder received treatment. Similarly, the Healthy Minds study, a large online survey of college mental health, found that only 36 % of students who screened positive for a mental health problem including depression, panic disorder, GAD, suicidal ideation, or self-injury

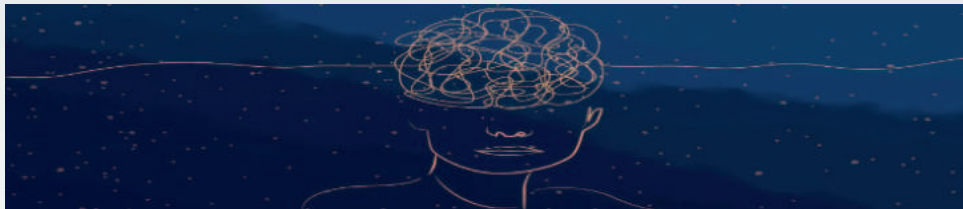
received treatment in the previous year.

“There is a stigma around saying, ‘I need somebody to talk to,’ but the bigger issue is that ‘when people actually raise their hand and say they need serious attention, there’s nobody to give it to them in the areas that they lack of’. The depth of these mental-health issues has become so severe that it’s affecting college students’ ability to persevere in their studies.

The paths may get rugged as we move on, do not stop valuing yourself. Depression comes with undervaluing and the more severe it is, the more it could destroy a life. Stress has become a part of student’s life, learn ways to deal with all kinds of pressures. Practicing yoga, listening to music could calm our minds. But these are only temporary solutions. The whole idea of being fully stress-free is an absolute lie, any pinch of circumstances could evoke stress but that does not give the excuse to degrade your own life.

Reward yourself with achievements, praise yourself because you are worth it, it’s not about it being small or big because every step you take towards your goal is worth it. Set realistic goals and be a realistic as unrealism leads to expectations that cannot be achieved, which can cause stress. Last, but not least, seek help. Talk and listen, observe how with each change you make in life how everything becomes simpler. Its not about how much you achieve at the end of the day its about how you value yourself.

‘The art of being sane is simple, change the perception of life and set the goal’



NASREEN M SHAJAHAN
S8 CE

DESTINED PATH

There are times when I realize
How messed up my life is!
Like those innumerable unbalanced equations of chemistry.
The wheel of my life has assumed an odd shape
In the turn of events and it isn't going along well.
I'm unable to find the answers to my problems
Just like I'm unable to find the value of x
In those unending complex mathematical equations.
Like a ray of light passing through two different mediums,
I've also deviated from my path
And I cannot find the road back home.
Wondering how dark the night could be.
I just pull up my blanket,
Waiting for the dawn to arrive....
They say with time everything heats.
I believed.
In that healing phase realization crept in.
My mind began to turn over a new leaf.
Past memories try to bring me back
As if shouting out "YES, YOU WERE THE ONE
WHO DID IT".
I often hear voices but this one has stirred up my heart.
With an everlasting impact.
Everything seems to be possible and meaningful now.
A new hope, confidence and the will to never give up
Takes over me as if just soldered to my heart.
I don't see the darkness anymore.

SHANA USMAN

S4 ECE

Exploring the Beauty of Nature's Mosaic

When we embark on the journey of exploring nature's mosaic, we immerse ourselves in a realm where every aspect speaks volumes about its magnificence. From the grandeur of towering mountains to the serenity of meandering rivers, from the vibrant hues of blooming flowers to the tranquil whispers of ancient forests, nature unfolds its enchanting panorama before us.

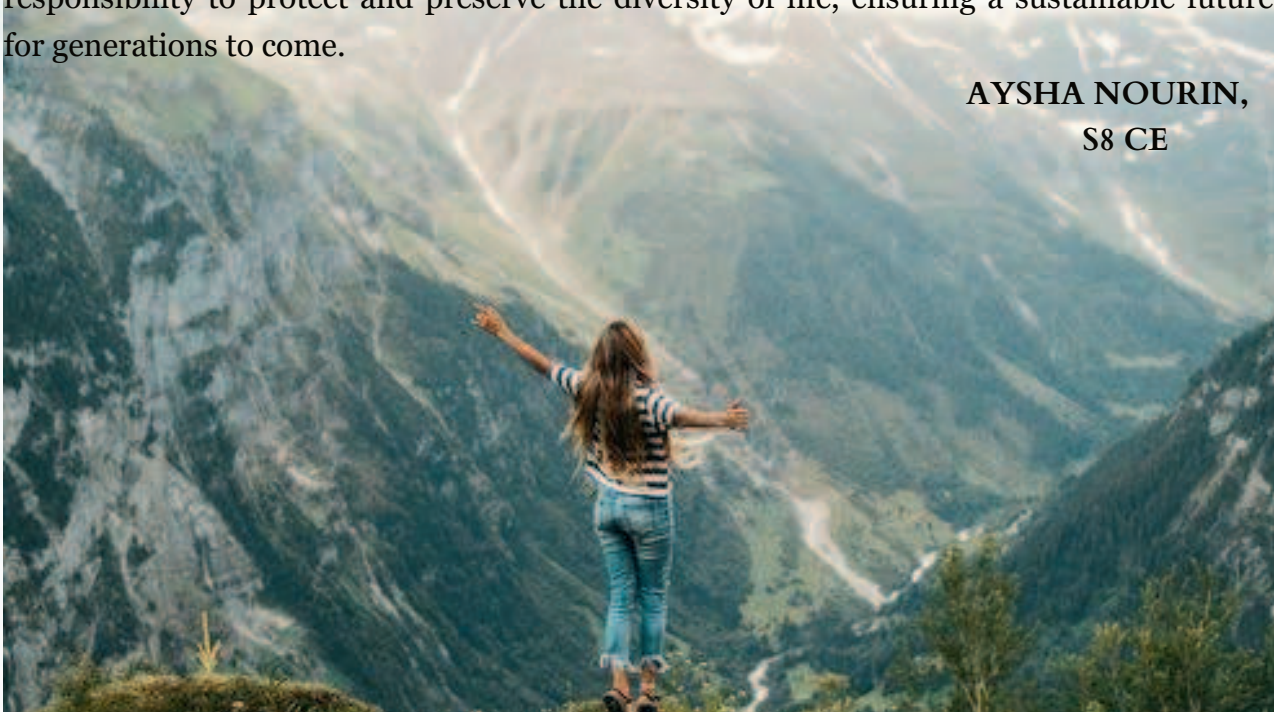
Each component of nature, whether it's a single flower or a vast ecosystem, contributes to the intricate mosaic that defines our natural world. The diversity of landscapes, flora, and fauna not only captivates our senses but also influences our lives in profound ways.

As we delve deeper into nature's mosaic, we gain insights into the interconnections and interdependence of all living beings. We realize that we are merely one thread in the intricate fabric of life, interconnected with every living organism and every ecosystem on this planet.

Exploring the beauty of nature's mosaic is not merely an intellectual pursuit; it's a journey of the soul. It's about forging a deep connection with the natural world, finding solace in its embrace, and recognizing our responsibility to protect and preserve it.

Furthermore, the preservation of biodiversity is not merely a moral imperative but a matter of existential urgency. Human activities such as deforestation, pollution, and habitat destruction pose grave threats to countless species, leading to irreversible loss of biodiversity and ecological collapse. As stewards of the planet, it is our collective responsibility to protect and preserve the diversity of life, ensuring a sustainable future for generations to come.

**AYSHA NOURIN,
S8 CE**



Exploring the Fascinating World of Mirrors



Mirrors are more than mere reflective surfaces; they are gateways to understanding human history, culture, and science. From ancient times to modern-day applications, mirrors have held a central role in shaping societies and civilizations.

In antiquity, mirrors were crafted from polished obsidian or metal, reflecting not just physical appearances but also the spiritual and mystical beliefs of their creators. Ancient Egyptians used highly polished copper mirrors, associating them with divine powers and the afterlife. In medieval Europe, mirrors were scarce and expensive, symbolizing wealth and status. The "mirror of princes" genre of literature emerged, offering moral and political guidance to rulers.

The Renaissance saw a surge in mirror production and refinement, coinciding with advancements in optics and the study of light.

The iconic Hall of Mirrors in the Palace of Versailles exemplifies the grandeur and symbolism associated with mirrors during this period.

The scientific revolution brought about a deeper understanding of mirrors' optical properties, leading to their widespread use in telescopes, microscopes, and cameras.

In the modern era, mirrors continue to fascinate and influence various aspects of society, from art and design to psychology and neuroscience. They reflect not only our physical appearances but also our cultural values, societal norms, and individual identities.

Exploring the fascinating world of mirrors unveils a rich tapestry of history, science, and human experience, inviting us to ponder our reflection and contemplate the depths of our existence.

You!-In my Dream

Eyes closed, hands wide open,
All I could feel was a cool breeze,
Gently caressing my hair,
And fine sand soothing my unshod sole.

I opened my eyes and walked towards
the rhythmic beats from the sea.
My feet kept sinking in the dunes of sand,
That is all within my sight,
And each step left a footprint.

Each step forward, closer to the sea.
I saw the waves,
Carelessly rising and falling,
Carrying the crystal spumes along.
When the first wave doused my feet,
I felt like they are inviting me to join them.

The reddish sky meets the sea at the horizon,
They perfectly blend in with each other.
The Sun touches the water,
And is drowning in the sea.
I wonder whether the glaring hot ball
Warms the sea,
Or the cold stream of water
Cools the Sun!
Either ways they embrace each other
with "love".

I laughed!
With the thought of love,
And looked behind me.
I'm surprised to see a pair of footprints
That followed mine!
Who, it'll be?
I looked around.
I felt the touch of a hand,
Gently holding mine in his palm.
I looked at his face,
And I saw him smiling at me.
It was the most beautiful smile,
I'd ever seen!
Love is all I can see!
A sudden strange feeling,
Aroused in my heart,
And before I knew,
I smiled back,
Happier than ever!
Suddenly, a bell rang
And my eyes, wide open.
This time for real!
It was a dream!

MANISHMA N M,
S6 CE

Nurturing Physical and Mental Health for Well-being

In the fast-paced rhythm of modern life, the pursuit of success often comes at the expense of neglecting our most valuable asset: our health. In the hustle of daily life, it's easy to overlook the essential connection between physical and mental health. Yet, these two aspects of our well-being are deeply intertwined, each influencing the other. Achieving a harmonious balance between physical and mental health is crucial for leading a fulfilling and healthy life.

Poor physical health can have adverse effects on our mental well-being. Chronic illnesses, inadequate sleep, and a sedentary lifestyle can contribute to feelings of lethargy, anxiety, and depression. When our bodies are not functioning at their best, it can impact our mental clarity, motivation, and overall outlook on life.

How to enhance both:-

1. **Regular Exercise:** Incorporating regular physical activity into your routine, like walking, jogging, yoga, or dancing, can significantly improve both your physical fitness and mental well-being. Aim for at least 30 minutes of moderate exercise most days of the week.
2. **Nutritious Diet:** Nourish your body and mind with a balanced diet rich in fruits, vegetables, whole grains, lean proteins, and healthy fats. Avoid excessive consumption of processed foods, sugary snacks, and caffeine, as they can negatively affect your energy levels and mood.
3. **Adequate Sleep:** Aim for 7-9 hours of uninterrupted sleep and consistent sleep schedule each night to allow your body and mind to rejuvenate.
4. **Stress Management:** Practice stress-reduction techniques such as meditation, deep breathing exercises etc. Find activities that bring you joy and relaxation, whether it's reading, gardening, or spending time in nature.
5. **Seeking Support:** Don't hesitate to reach out for professional help if you're struggling with your mental health. Therapists, counselors, and support groups can offer valuable guidance and support in navigating life's challenges.

Taking care of your physical and mental health is not a luxury but a necessity for leading a fulfilling and balanced life. Remember, it's the small daily habits that add up to significant long-term benefits for your overall well-being.



The talk of the pain like it's alright. But I know that you feel like a piece of you's dead inside. You showed me a power that is strong enough to bring the sun to the darkest days and from the deep hole. It's none of my business but it's just been on my mind.

You are daydreaming about the life you wish you had with your comfortable character. Then your God complex starts acting up again. There is a saying that " A broken heart is just the growing pains necessary so you can love more completely when the real things come along. " Hearts can break yes, hearts can break sometimes. I think it would be better if we died when they did, but we don't. Sometimes good things fall apart so better things can fall together. Tears are the word that needs to be written.

We do this every time. Seasons change and our love went cold. Feed the flames so you can't let it go. I dare you to do something. I got a feeling that it was time to let it go. Hold me tight let's escape all the reality. The lightning wakes the waves but through it, we are brave. Everyone is lonely sometimes but I would walk a thousand miles.

All the storms went weathered. Everything that we went through. Every time your heart is broken, a doorway cracks open to a world full of new beginnings and new opportunities. So the cure for a broken heart is simple, my lady. A hot bath and a good night's sleep.

RIYA ROY
S2 ECE

PETRICHOR

World filled with claimers & Swearers.
claimers claim it is the Gods crying,
pouncing down on us as rain.
Swearers are stubborn;

Swearing on their breath;
it is the Clouds fighting;
clashing,
bruising each other.

They swear it is this blood;
dripping as rain drops.

But let me tell you a different story;
A ballad singing the enchanting beauty the nature sows,
A story promising magical phenomena.

It is Love;
the clouds hold.

A love they cherish dearly;
A love dripping down on us;
Disguised as these beautiful rain drops,
Literally kissing us with their blessings.

A love that witness the magical seven colours;
when the sun stays to bask in their loving warmth.

A love that smells so fragrant;
when the drops kisses the earth.

A love that pulls out mythical fragrance from the trees

I would be lying to the world;

If I dare say;

I'm not in Love with the Rain.

AGNA ANTONY

S4 ECE



A Journey of emotions

Welcome to the college classroom, a bustling arena where emotions collide and stories unfold. As students file into the lecture hall, a diverse tapestry of feelings fills the air, painting a vivid portrait of the human experience. Amidst the sea of faces, there's the excitement of embarking on a new academic journey, tinged with a hint of nervousness at the unknown challenges that lie ahead. Freshmen, wide-eyed and eager, take their seats alongside seasoned seniors, each carrying their own dreams, aspirations, and fears.

The professor, a beacon of wisdom and experience, commands the room with authority and warmth. Their passion for the subject ignites a spark in the hearts of their students, igniting a thirst for knowledge that transcends the boundaries of the classroom. As the lecture begins, emotions swirl like a whirlwind, from the thrill of intellectual discovery to the frustration of grappling with complex concepts. There's the exhilaration of lively debates and discussions, where ideas clash and perspectives shift, and the satisfaction of overcoming academic hurdles through hard work and perseverance. But beyond the academic realm, the college classroom is a melting pot of emotions, a microcosm of life itself. It's where friendships are forged over shared interests and late-night study sessions, where laughter echoes off the walls and tears are shed in moments of vulnerability.

It's a place of growth and transformation, where students confront their fears, challenge their beliefs, and emerge stronger and more resilient than before. It's where they discover their passions, hone their talents, and chart their own course towards a brighter future.

As the semester unfolds, emotions ebb and flow like the tides, from the excitement of orientation week to the bittersweet nostalgia of graduation day. Along the way, there are triumphs and setbacks, moments of joy and moments of sorrow, but through it all, there's a sense of camaraderie and shared purpose that binds the college community together.

In the end, the college classroom is more than just a place of learning—it's a crucible of emotions, a canvas upon which the human experience is painted in vivid hues. And as each student walks out into the world beyond, they carry with them not only a wealth of knowledge but also a lifetime of memories and emotions that will shape their journey for years to come.

So here's to the college classroom, where emotions run deep and dreams take flight, and where the journey of self-discovery begins anew with each passing day.

SHARON SHA

S6 ME

RAINDROP

As the rain falls
So does the dust in the air
The trees stand tall
And dance without a care

The dust rises again
And it will keep doing so
But still the rain falls again
No matter what the day calls for.

The rain may seem as a burden
For these whose minds are shut tight
But for those whose hearth are hardened
It is the rain that makes the world bright

And so they watch the rain
Wash away dust and dirt yet again
Hoping that perhaps not in vain
The rain would wash away the tears they shed in pam.

As the rain falls
So does pain and sorrow
And they hope with the raindrops that fall
may a rainbow follow.



DIYA S
S2 CSE-B

Influence of Advertisement In Consumer Behavior

In this world of colours and fonts, advertisements play a big role in captivating the consumers mind to make a products their own. Advertisements are one of the most popular and the best way to increase sales and do business It's funny to think that sometimes the advertisement telecast is much more erosion to people than the actual product. In this modern era, the Style of advertisements along with the product has grown immensely. They surely do grasp people's attention and easily convince them to buy it. ow did the whole advertisement idea evolved? Communication was surely the first form of

advertisement. Sharing and spreading the details of product among local townsmen and women started everything. Making everyone know about the product is the main key to an advertisement. Thus it slowly developed into paper print notices, public announcements, telecasting and now through social media. The idea of advertisements has evolved to different types and incredible creative levels.

In my opinion, Instagram reels are of the best advertising platforms nowadays. Social marketing has developed very much according to the mindset of this new generation and a new style of thinking. Advertising companies make sure they add the subject of interest in the ad which can captivate attention instantly. Humor is one of the best factors in advertising. Popular brands collaborating with each other, including famous celebrities in promotions and names are all essential for advertising. In the case of kids' products, cartoon characters and funny music is played along to gain their attention. Another old style of advertising that still influences consumer behavior can be billboards or huge flexes. Nowadays, most developed cities have street billboards which can be used to play video ads in the streets.

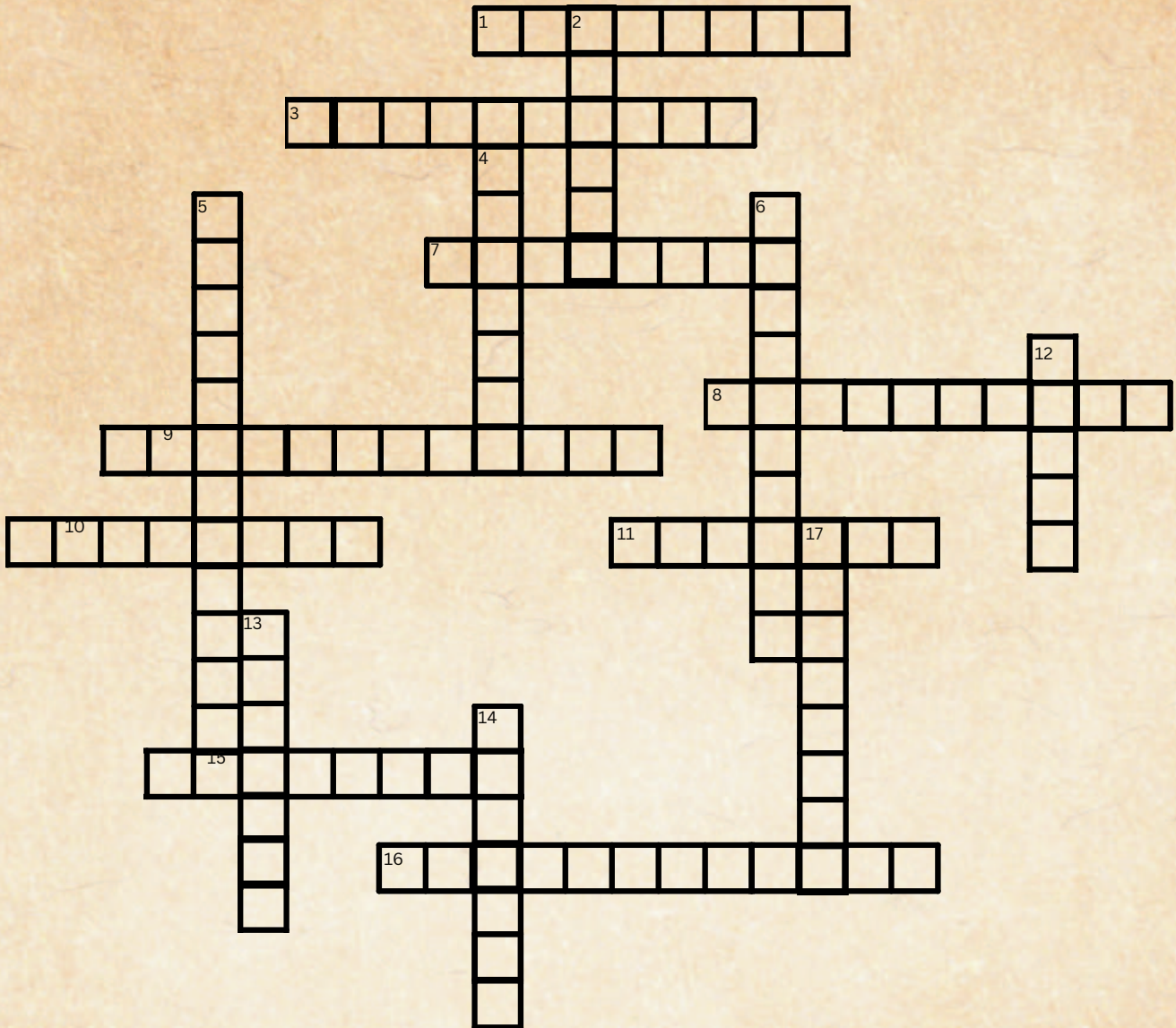
What about a puzzle?

U	A	H	Y	D	R	O	L	O	G	Y	P	E	A	S
K	T	M	Q	E	N	D	L	N	S	Y	L	N	I	U
A	B	R	S	Y	I	B	T	P	Q	P	O	V	A	S
L	G	R	A	P	H	I	C	S	R	Y	B	I	A	T
N	S	C	R	N	S	C	I	B	H	P	L	R	T	A
V	U	O	A	Z	S	C	I	E	N	C	E	O	N	I
D	R	P	T	C	N	P	O	M	D	R	M	N	E	N
H	T	I	M	E	C	H	A	N	I	C	S	I	R	T
A	I	U	R	N	F	S	L	M	P	S	T	U	O	Y
J	V	C	O	M	M	U	N	I	C	A	T	I	O	N

ANDRIA TERESA MARTIN

S6, CE

What about a puzzle?



Across

1. Branch of mathematics that deals with shape, angle, direction etc
3. Lowest load bearing part of the building.
7. Amount of force exerted per area
8. Use of scientific, knowledge for practical purposes
9. The art of building something typically a large structure
10. Distance covered by an object in a unit time
11. Assembly of interconnected Components arranged to transmit or modify force in order to perform useful work
15. A person who uses scientific knowledge to design, construct and maintain engines, machines or structures
16. Increase in rate, amount or extend

Down

2. Study of light & instruments using light
4. Flow of electric charge
5. Process of sending and receiving informations, messages through verbal or non-verbal methods.
6. Ability to influence and guide the followers or members
12. Use as an example to follow or imitate
13. Representation in graphical form
14. Force that resists the motion when two surfaces come in contact with each other.
17. Place or fix in a position ready for use.

ANSWERS
1.Geometry,2.Optics,3.Foundation,4.Current,5.Communication,6.Leadership,7.P
ressure,8.Technology,9.Construction,10.Velocity,11.Machine,12.Model,13.Diagra
m,14.Friction,15.Engineer,16.Acceleration,17.Install

Don't read this.....

Don't read this, I am telling you not to read this, stop, stop, don't.

Again I am telling you, still you are going on reading . Now you are not stopping to read this, let me tell you something.

In a world flooded with content, where every click leads to a new article, video, or social media post vying for your attention, it's refreshing to come across something unexpected. Yes, you read that correctly. This article is not meant for you to read. It's not a clever ploy or reverse psychology tactic. It's a genuine suggestion.

In a society where the act of reading has become synonymous with information consumption, we often forget the value of intentional non-engagement. Sometimes, it's okay to step back, take a breath, and resist the urge to consume more content. Our minds are constantly bombarded with information, opinions, and narratives, leaving little room for quiet reflection. However, it's in those moments of silence that creativity sparks, ideas flourish, and true understanding can emerge.

So, instead of reading this article, consider taking a moment for yourself. Close your eyes, listen to the sounds around you, feel the rhythm of your breath. Let your mind wander without the constraints of words on a screen.

In a world that's always on, embracing moments of stillness can be a revolutionary act. So, don't read this. Instead, take a break, disconnect, and rediscover the power of your own thoughts.

Dr. Saju A, Associate Professor,
Dept. of ECE

Innovations Shaping the Future of Automobiles



The automotive industry is undergoing a revolutionary transformation, driven by technological advancements and changing consumer preferences. From electric vehicles (EVs) to autonomous driving, the landscape of automobiles is evolving rapidly. This article explores the latest trends and innovations shaping the future of automobiles.

Electric vehicles (EVs) are gaining momentum as governments worldwide push for a shift away from fossil fuels to reduce emissions and combat climate change. Major automakers are investing heavily in electric propulsion technology, leading to a proliferation of EV models with longer ranges and faster charging times. The declining cost of batteries is making EVs more accessible to consumers, driving adoption rates higher.

Autonomous driving technology is another major disruptor in the automotive industry. Companies like Tesla, Waymo, and Uber are pioneering self-driving technology, aiming to improve road safety, reduce traffic congestion, and enhance the overall driving experience. While fully autonomous vehicles are still in development, semi-autonomous features such as adaptive cruise control and lane-keeping assist are becoming increasingly common in modern cars.

The automotive industry is in the midst of a transformative era, driven by technological innovation and changing consumer attitudes. From electric propulsion to autonomous driving, connectivity, sustainability, and advanced materials, the future of automobiles promises unprecedented levels of efficiency, safety, and convenience. As these trends continue to unfold, the automotive landscape will evolve, ushering in a new era of mobility for generations to come.

In response to growing environmental concerns, automakers are prioritizing sustainability across the entire automotive lifecycle. Eco-friendly manufacturing

processes to recycling initiatives for end-of-life vehicles, the industry is embracing green practices to minimize its ecological footprint.

Innovations in materials science are enabling automakers to produce lighter, stronger, and more aerodynamic vehicles. Lightweight materials such as carbon fiber and aluminum are replacing traditional steel, improving fuel efficiency without compromising safety. Furthermore, advancements in design aesthetics are redefining the visual appeal of automobiles, with sleek, futuristic designs becoming increasingly prevalent on the roads.

AROMAL P

S4 ME

SHADES

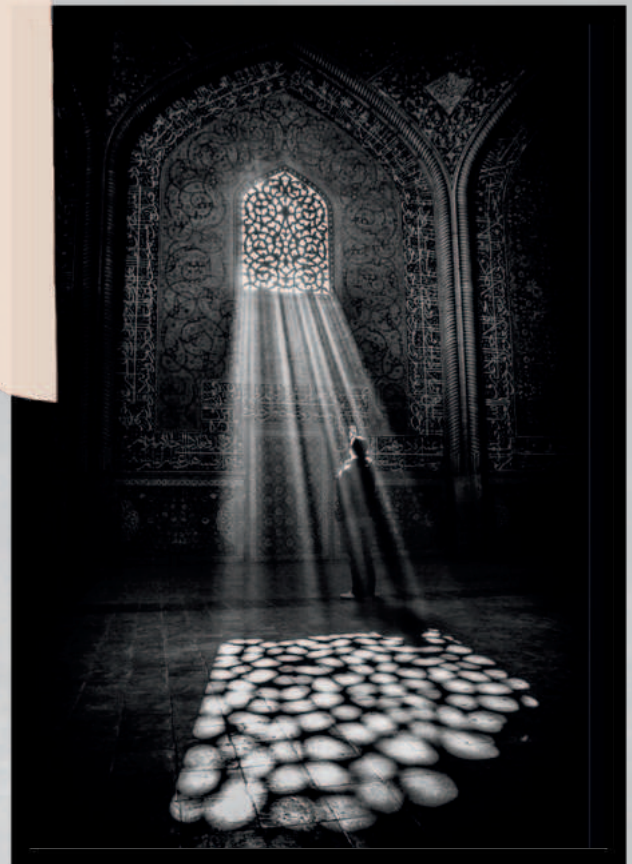
In the grand tapestry of life, behold,
A myriad of shades, both vibrant and bold.
From the darkest depths to the brightest gleam,
Each hue tells a story, a whispered dream.

In youth's tender dawn, a palette pure,
With hues of innocence, bright and sure.
A canvas unmarked, a world unknown,
With colors yet to be fully shown.

But as we journey through time's embrace,
The shades of life deepen, finding their place.
There's the crimson of passion, burning bright,
And the gentle azure of a peaceful night.

In the valleys of sorrow, shadows may loom,
Casting somber tones in the heart's gloom.
Yet even in darkness, a flicker of light,
Guiding us onward through the long night.

So let us embrace each color, each hue,
For they form the mosaic of me and of you.
In the tapestry of life, may we find,
The beauty in every shade, the ties that bind.



ATHULYAMOL NS

S6 ME

ഒരു വിളിപ്പാടകലെ

കുന്നിൽ ചരുവുകളുടെ ഇടയിൽ, താഴ് വരകൾ ഇറങ്ങി മഴവെള്ളച്ചാട്ടത്തിന്റെ പുറകിൽ ഒരു കൊച്ചുകുടിയിൽ വളരെ സന്തോഷകരമായി ജീവിക്കുകയായിരുന്നു അവൾ. അശ്വതി എന്ന പതിനെട്ടുവയസ്സുകാരി. അവൾ ആ വീട്ടിൽ തന്റെ വൃദ്ധയായ അമ്മയോടൊപ്പം, പശുക്കിടാങ്ങളെ വളർത്തി അവയെ പരിപാലിച്ചു. അവയുടെ പാല് വിറ്റ്, വളരെ ലളിതമായ രീതിയിൽ ജീവിച്ചു പോവുകയായിരുന്നു അവർ.

അശ്വതിക്ക് ദൈവത്തോടുള്ള ഭക്തി വളരെ കൂടുതലായിരുന്നു. അതുകൊണ്ടു തന്നെ അവൾ എന്നും രാവിലെ ക്ഷേത്രത്തിൽ പോയി അവൾക്കും എല്ലാവർക്കും വേണ്ടി പ്രാർത്ഥിക്കുമായിരുന്നു. അവളെ ദൈവങ്ങൾക്കും വളരെ ഇഷ്ടമായിരുന്നു. ഒരു ദിവസം മഴയുടെ കനത്ത ശബ്ദവും ഇടിയും ഇരമ്പലും കേട്ടാണ് അവൾ അവളുടെ ഉറക്കത്തിൽ നിന്നും ഉണർന്നത്. അവൾ എഴുന്നേറ്റ് നോക്കിയപ്പോൾ അവളുടെ ആ ചെറിയ കുടിൽ, കമുകിൽ മരങ്ങളെപ്പോലെ ചായുന്നതു കണ്ട് എന്തു ചെയ്യണമെന്ന്

അറിയാതെ അവൾ അവിടെ അല്പനേരം നിന്നുപോയി. അവളുടെ ആ കൊച്ചുകുടിൽ പൊടുന്നനെ മണ്ണിൽ നിലംപതിക്കുമെന്ന അവസ്ഥയിൽ വന്നപ്പോൾ അവൾ അവളുടെ അമ്മയെയും കൂട്ടി അമ്മായിയുടെ വീട്ടിലേക്ക് പോകുവാൻ തീരുമാനിച്ചു. അമ്മായിയുടെ വീട്ടിലേക്കു വളരെ ദൂരം ഉണ്ട്.

കാടും മേടും കുന്നും ഒക്കെ കടന്നാൽ മാത്രമേ അവർക്ക് അവിടെ എത്തുവാൻ സാധിക്കൂ. അവർ അവരുടെ യാത്ര പുറപ്പെട്ടു. അമ്മയെ തോളിൽ താങ്ങി കൊണ്ടാണ് നടന്നത് . അമ്മയ്ക്കും തീരെ വയ്യായിരുന്നു. അവർ രണ്ടുപേരും ഒരു കൂടക്കീഴിൽ ആ ഭയങ്കരമായ മഴയത്ത് കുന്നിൻമുകളിലൂടെ നടക്കുകയായിരുന്നു. പോകുന്ന വഴിക്കെല്ലാം വൃക്ഷങ്ങൾ ആടിയുലഞ്ഞ് വീഴുന്നത് അവരുടെ യാത്രയ്ക്ക് ഒരു പ്രശ്നമായിരുന്നു. അങ്ങനെ അവർ ഗ്രാമം കടന്നു നഗരത്തിലേയ്ക്ക് പോകുന്ന വഴിക്ക്, അവൾക്ക് പെട്ടെന്ന് ഒരു ക്ഷീണവും തളർച്ചയും അനുഭവപ്പെട്ടു.

കുറച്ചുനേരം അവൾ അവിടെ തന്നെ ഒന്നു നിന്നിട്ട് പിന്നെയു അവരുടെ യാത്ര തുടങ്ങി. അങ്ങനെ അവർ രണ്ടുപേരും നഗരത്തിൽ എത്തി. ടാറിട്ട റോഡിലൂടെയായിരുന്നു പിന്നീടുള്ള അവരുടെ യാത്ര. മഴയ്ക്ക് ഒരു ശമനം ഇല്ലായിരുന്നതുകൊണ്ട് അവർ രണ്ടുപേരും ഒരു മരത്തിന്റെ ചുവട്ടിൽ മഴ കൊള്ളാതെ പോയി ഇരുന്നു. നടന്നു നടന്നു അവർ വളരെ ക്ഷീണിതരായിരുന്നു. ആ സമയത്ത് റോഡിലൂടെ കുറെ വാഹനങ്ങൾ പാഞ്ഞു പോയിക്കൊണ്ടിരുന്നു. അവർ ഇരുന്നിരുന്ന സ്ഥലത്തിന്റെ അപ്പുറത്തുള്ള ഒരു വില്ലയിൽ നിന്നും ഒരു കുട്ടിയെ കണ്ടു. ആ കുട്ടി എവിടെയോ പോകുവാൻ ഇറങ്ങിയതായിരുന്നു. ആ സമയത്ത് ആ കുട്ടിയുടെ കൈയിൽ നിന്നും കൂട പഠന്ന് റോട്ടിലേയ്ക്ക് ചെന്ന് വീണു. അതെടുക്കുവാൻ ആ കുട്ടി ചീറിപ്പാഞ്ഞു പോകുന്ന വാഹനങ്ങൾ മാത്രം ഉള്ള റോഡിലേയ്ക്ക് ഓടി വന്നു.

അപ്പോൾ ആ കുട്ടിയുടെ നേരെ തന്നെ ഒരു വലിയ ലോറി വന്നു. ഈ കാഴ്ച അശ്വതി കണ്ടു. അവൾ വേഗം തന്നെ ഓടിച്ച് ആ കുട്ടിയെ എടുത്തു മാറ്റി കളഞ്ഞു. അവർക്ക് ഒന്നും തന്നെ സംഭവിച്ചില്ല. അവൾ ആ കുട്ടിയെ വീട്ടിലേയ്ക്ക് വിട്ട്, അമ്മയേയും കൊണ്ട് അവരുടെ യാത്ര തുടർന്നു. അവൾ വിശ്വസിച്ചിരുന്ന എല്ലാ ദൈവങ്ങളേയും അവൾ വിളിച്ച് പ്രാർത്ഥിച്ചു. നടന്നു നടന്ന് അമ്മയ്ക്ക് വയ്യാതെയായി. അമ്മയ്ക്ക് നടക്കുവാൻ ഒട്ടും തന്നെ പാറ്റാത്ത ഒരു അവസ്ഥ വന്നു. പോകുന്ന എല്ലാ വണ്ടികൾക്കും അവൾ കൈ കാണിച്ചു. കാരണം അമ്മയെ പെട്ടെന്നു തന്നെ ആശുപത്രിയിൽ എത്തിച്ചില്ലായെങ്കിൽ അമ്മയുടെ ജീവൻ ആപത്താണെന്ന് അവൾക്ക് മനസ്സിലായി. എന്നാൽ ഒരു വണ്ടിപോലും നിർത്തിയില്ല. അവസാനം വന്ന് ഒരു കാറിനു അവൾ കൈ കാണിച്ചു. എന്നാൽ ആ വണ്ടി അവരുടെ ദേഹത്തു വെള്ളം തെറുപ്പിച്ചുകൊണ്ടു പോയി. വെള്ളത്താൽ നനഞ്ഞു കൂളിച്ച അവരോട് ആരും തന്നെ ഒരു ദയ കാണിച്ചില്ല. അവസാനം ദൈവത്തിന്റെ നിയോഗം എന്ന പോലെ, ഒരു വണ്ടി വന്നു. അവരെ കയറ്റി. അവൾ വിശ്വസിച്ചിരുന്ന ദൈവം ഒരു വിളിപാടകലെയെന്നെന്ന് അവൾ ആ മരണത്തിനും ജീവിതത്തിനും ഇടയിലുള്ള ആ നിമിഷത്തിൽ മനസ്സിലാക്കി.

SAFREEN RASHEED
S6 CE

സമയം

കാത്തു നിൽക്കുകയില്ല സമയം നമുക്കായി
പൂക്കൾ പോൽ കൊഴിഞ്ഞു പോയിടുന്നു നിമിഷങ്ങൾ
തുച്ഛനാം മനുഷ്യനോ ഞാൻ ഞാനെന്ന ഹങ്കരിച്ചാരെയും
വകവയ്ക്കാതോടുന്നു ജീവിതപാതയിൽ

ഞാനെന്ന മനുഷ്യനുമുണ്ടൊരു ദിവാസ്വപ്നം
ഈ മണ്ണ് പിണ്ണാക്കുവാനുള്ള ഒരു മഹാസ്വപ്നം

ഒന്നാണു രണ്ടല്ലെന്നു കാണുവാൻ ശ്രമിക്കൂ നാം.
ഭിന്നരായ് തിരിയുന്ന മാർഗ്ഗങ്ങൾ അറിയാതെ

നിത്യവും കേൾപ്പൂ നമ്മളെക്കൂത്തിൽ ദിവ്യമന്ത്രം
നിത്യവുമതിന്നെതിർ തന്ത്രവും രചിച്ചു നാം

ANN LIYA A B
S1 EEE

നിശബ്ദം

ഏകാന്തമാം നിമിഷത്തിൽ സുന്ദരസംഗീതം വികാരമാം ശീതത്തിൻ പല്ലവിയെന്നപോൽ ഹൃത്തിനോടൊത്തൊരു ചിത്തത്തിലായ് വർത്തിച്ചീടുണൊരു വിശ്വസ്തവർണ്ണമായ് ജീവിതയാത്രയിൽ ജ്ഞാനത്തിൻ ദീപമായ് ജന്തുക്കളേതിനും ചേതസ്സിൽ ഭാഷയായ് അധികിപ്തർ തന്നുടെ ബാഹിക പ്രൗഢിയായ് മഹതിയാം പ്രകൃതിയെന്നമ്മതൻ താരാട്ട് വിഹഗത്തിൻ പംക്തിതൻ പവനവേഗപ്പാച്ചിൽ മഞ്ജീരധ്വനിക്കൊരു കേളിയായരിങ്ങിൽ



കളകള നാദത്തിനാകമ്പടിയായരുവിയിൽ മിഥ്യയും വ്യാജവുമേതുമേ കൂടാതെ മരണത്തിൻ മധുരം നുകർന്നൊരു മറുപടിയുമായനുയോഗത്തെ സമീപിപ്പാൻ മനുഷ്യന്നാശ്രയം ഈ നിശബ്ദതതാൻ ബഹുരസമാം ജീവിതത്തിലാദ്യമായ് വർത്തിക്കു ബന്ധുമിത്രാദികൾ നാദധ്വനിയെന്നപോൽ ബലഹീന നായകനാകയാൽ വീരസ ജീവിതത്തിൽ ഭക്തി, പ്രത്യാശ, നിശബ്ദ പ്രതീക്ഷയും

AISHWARYA SUNIL
S5 CE

സൗഹൃദം

ഒരിക്കലും മതിയാകാത്ത ഒന്ന് ചിരിക്കുമ്പോൾ കൂടെ ചിരിക്കാനും കരയുമ്പോൾ കൂടെ സങ്കടപ്പെടാനും. കളിച്ചും ചിരിച്ചും, ഓർമ്മകൾ പങ്കുവെയ്ക്കുന്ന ജീവിതത്തിലെ മനോഹരമായതും മാധുര്യമുള്ളതുമായ ഒരു അധ്യായം. ഒരിക്കലൈക്കിലും എല്ലാവരും അനുഭവിച്ചിട്ടുള്ള അനുഭവിച്ചുകൊണ്ടിരിക്കുന്ന നല്ല സൗഹൃദങ്ങൾ ജീവിതകാലം മുഴുവനും ഓർത്തിരിക്കാവുന്ന ഒരു ഓർമ്മയാണ്. ജീവിതത്തിന്റെ അവസാന കാലങ്ങളിൽ ഒന്നും നമുക്ക് ഒന്ന് പുഞ്ചിരിക്കാൻ പറ്റുന്ന ഓർമ്മകൾ എന്നും സൗഹൃദങ്ങൾ പകർന്നു തരട്ടെ....



HENOCK MILAN JOSEPH
S1 EEE

നെല്ലിയാമ്പതി യാത്ര

പാലക്കാട് ജില്ലയിൽ തമിഴ് നാടിനോട് ചേർന്നു നിൽക്കുന്ന മനോഹരമായ മല നിരകളിൽ ഒന്നാണ് നെല്ലിയാമ്പതി. അവിടേക്കു ഉള്ള യാത്രയിൽ പ്രകൃതിയുടെ പല മനോഹരമായ കാഴ്ചകളും നമ്മുക്ക് കാണാൻ കഴിയും. നെന്മാറയിൽ നിന്നും നെല്ലിയാമ്പതിയിലേക്ക് മനോഹരമായ നെല്ലിയാമ്പതി കാടിലൂടെ ആണ് യാത്ര ചെയ്യേണ്ടത്. പോകുന്ന വഴിയിൽ പല തരത്തിൽ ഉള്ള പക്ഷികളെയും മൃകങ്ങളെയും കാണാൻ കഴിയും. വഴിയിൽ പല സ്ഥലങ്ങളിൽ മഴ കാലത്ത് വെള്ളം ഒഴിക്കിയിരുന്ന സ്ഥലങ്ങൾ കാണാൻ കഴിയും. വേനൽ കാലം ആയതിനാൽ അതെല്ലാം തന്നെ വറ്റി പോയിരുന്നു. എന്നാൽ അതൊന്നും നെല്ലിയാമ്പതിയുടെ ഭംഗിയെ ബാധിച്ചിരുന്നില്ല. ഏകദേശം 28 km നെന്മാറയിൽ നിന്നും സഞ്ചാരിച്ചാൽ നമ്മുക്ക് നെല്ലിയാമ്പതി എത്താം. അവിടെ എത്തി കഴിഞ്ഞാൽ ആദ്യത്തെ ആകർഷണം അവിടുത്തെ വെജിറ്റേഷൻ & ഫ്രൂട്ട്സ് ഗാർഡൻ ആണ്. സർക്കാരിന് കീഴിൽ പ്രവർത്തിക്കുന്ന ഈ ഗാർഡനിൽ പലതരത്തിൽ ഉള്ള ധാരാളം പച്ചക്കറികളും പഴങ്ങളും ലഭ്യമാണ്. ഓറഞ്ച് ആണ് അവിടുത്തെ ഏറ്റവും ആകർഷകം ആയ പഴങ്ങളിൽ ഒന്ന്. ഗാർഡനിലെ പരിപാലകർ എല്ലാം അവിടുത്തെ തന്നെ താമസകാർ ആണ്. ഗാർഡന്റെ പല ഭാഗത്തും രാത്രിയിൽ ആന കേറി പോയതിന്റെ പാടുകൾ കാണാം. അതിനാൽ തന്നെ പല ഇടതും ഇലക്ട്രിക് കമ്പികൾ കാണാൻ സാധിച്ചു. രാത്രി കാലങ്ങളിൽ ആന തോട്ടത്തിൽ കേറി നശിപ്പിക്കാതെ ഇരിക്കാൻ ആണ് അത് സ്ഥാപിച്ചിരിക്കുന്നത്. അവിടെ നിന്നും വളരെ വില്ലേക്കുറവിൽ പച്ചക്കറി തച്ചികൾ വാങ്ങാൻ കഴിയും. ഈ ഗാർഡൻ കഴിഞ്ഞാൽ അവിടുത്തെ മറ്റൊരു വിനോദാ കേന്ദ്രം സീതാർ ഗുണ്ട് ആണ്. ലോകത്തെ തന്നെ ഏറ്റവും വലിയ suicide point കളിൽ ഒന്ന്. നെല്യമ്പതിയുടെ യഥാർത്ഥ ഭംഗി അവിടെ ആണ് നമ്മുക്ക് കാണാൻ കഴിയുന്നത്. വണ്ടി ചെല്ലുന്ന ദൂരത്തിനു പരിമിതി ഉണ്ട്. വണ്ടി നിർത്തി ഏകദേശം ഒരു 2 km നടന്നാൽ സീതാർ ഗുണ്ട് suicidepoint ൽ എത്താം. പോകുന്ന വഴിയിൽ മനോഹരമായ തയില്ല തോട്ടം കാണാൻ സാധിക്കും.



സീതാർ ഗുണ്ടിൽ എത്തിയാൽ ഏതൊരാളെയും അത്ഭുത പെടുത്തുന്ന കാഴ്ച ആണ് നമ്മുക്ക് കാണാൻ പറ്റുന്നത്. ഏകദേശം 10 m മാത്രം വീഥി ഉള്ള വഴിയുടെ ഒരു വശം കാടും മറു വശം വലിയ കുഴിയും ആണ്. അവിടെ നിന്ന് നോക്കിയാൽ കേരളത്തെ തമിഴ്നാടും ആയി ബന്ധപ്പെടുത്തുന്ന പ്രധാന വഴിയായ പാലക്കാട് ഗ്യാപ് കാണാൻ സാധിക്കും. സീതാർ ഗുണ്ട് മലയുടെ താഴ്വാരം ആണ് ലോകത്തെ ഏറ്റവും ഭംഗിയുള്ള ഗ്രാമങ്ങളിൽ ഒന്ന് എന്ന് അറിയപ്പെടുന്ന കൊലങ്ങോട് ഗ്രാമത്തെ അതിന്റെ മുഴുവൻ ഭംഗിയിൽ കാണാൻ സാധിക്കും. സീതാർ ഗുണ്ട് ലെ മറ്റൊരു പ്രത്യേകത അവിടെ ഉള്ള നെല്ലി മരങ്ങൾ ആണ്. അതിൽ നിന്നും ആണ് നെല്ലിയാമ്പതി എന്ന പേര് വന്നത്. സീതാർ ഗുണ്ട് കഴിഞ്ഞാൽ മറ്റൊരു ആകർഷണീയ കേന്ദ്രം ആണ് കേശവൻ പാറ. അവിടേക്കു ഉള്ള വഴിയിൽ പണ്ട് ബ്രിട്ടീഷ് കാർ ഉപയോഗിച്ച അനാഥമായി ഇട്ട കെട്ടിടങ്ങൾ കാണാം. കേശവൻ പാറയിൽ നിന്ന് നോക്കിയാൽ അവിടുത്തെ പ്രധാന dam ഉകളിൽ ഒന്നായ പൊത്തുണ്ടി ഡാം കാണാൻ സാധിക്കും. കേശവൻ പാറയിൽ കണ്ട മറ്റൊരു പ്രത്യേകത അവിടുത്തെ പാറകളിൽ കണ്ട പണ്ട് കാലത്തെ കല് കൊണ്ടുള്ള പത്രങ്ങളുടെ പാടുകൾ ആണ്. പല തരത്തിൽ ഉള്ള അടയാളങ്ങൾ നമ്മുക്ക് അവിടെ കാണാൻ സാധിക്കും. നെല്ലിയാമ്പതി പോലെ തന്നെ മനോഹരം ആണ് അതിന്റെ താഴ്വാരമായ ഗ്രാമം കോലങ്ങോട്. നെല്ലിയാമ്പതിയിൽ നിന്നും വെറുന വെള്ളച്ചാട്ടം കൊലങ്ങോട് ആണ് എത്തുന്നത്. അവിടുത്തെ കൃഷിക്കുള്ള വെള്ളത്തിന്റെ പ്രധാന ഉറവിടം ആണ് അത്. പശ്ചിമഘട്ടത്തിലെ ഏറ്റവും ഭംഗി ഉള്ള മലകളിൽ ഒന്നാണ് നെല്ലിയാമ്പതി എന്നത് അവിടുത്തെക്കുള്ള യാത്രയുടെ ഓരോ നിമിഷത്തിലും നമ്മൾക്ക് അനുഭവപ്പെടും. കേരള - തമിഴ് നാട് അതിർത്തിയിൽ സ്ഥിതി ചെയ്യുന്ന അതി മനോഹരമായ സ്ഥലം നെല്ലിയാമ്പതി.

A A K AMARNATH
S4 EEE

യാത്രകൾ

ഒരിക്കൽ പോലും യാത്രകൾ ചെയ്യാത്തവർ ആരും ഇല്ല. യാത്രകൾ നമ്മൾക്ക് പുതിയ ഒരു സമൂഹമവും പുതിയ കൂട്ടുകാരും പുതിയ അനുഭൂതിയും നൽകുന്നു. ചിലവർ ഇഷ്ടപ്പെട് യാത്രകൾ നടത്തുമ്പോൾ നടത്തുമ്പോൾ മറ്റു ചിലർ സാഹചര്യങ്ങളിലൂടെ യാത്രകൾ ചെയ്യേണ്ടി വരുന്നു. എന്നാൽ ഒരിക്കൽ യാത്രയെ ആസ്വദിച്ച സ്വീകരിക്കുകയാണെങ്കിൽ ഓരോ യാത്രയും നമുക്ക് എന്നും പുതുമയും സന്തോഷവും പകരുന്നു. ഇഷ്ടപ്പെട്ടാൽ മനോഹരം ആയ പ്രകൃതിയെ ഒരിക്കലേക്കിൽ ഉം ഒന്നു അശോസിരിക്കണം നമുക്ക് മുന്നിൽ എന്നും പുഞ്ചിരിക്കുന്ന പ്രകൃതിയെ കാണാൻ ഒരിക്കലേക്കിലും ഒന്ന് യാത്ര നടത്തുക

HENOCK MILAN JOSEPH
S1 EEE



Kenn Xavier, S6 ME



Kenn Xavier, S6 ME



Diya S2 CSE B



Athuliya Gilbert S3 EEE



Ansiya V A S7 ECE



Shana Usman S4 ECE



Ruben Joseph S3 EEE



Allen Jude S2 CSE B



Linda Pushpam M S S3 EEE



Athuliya Gilbert, S3 EEE



Noyal Dominic, S3 EEE



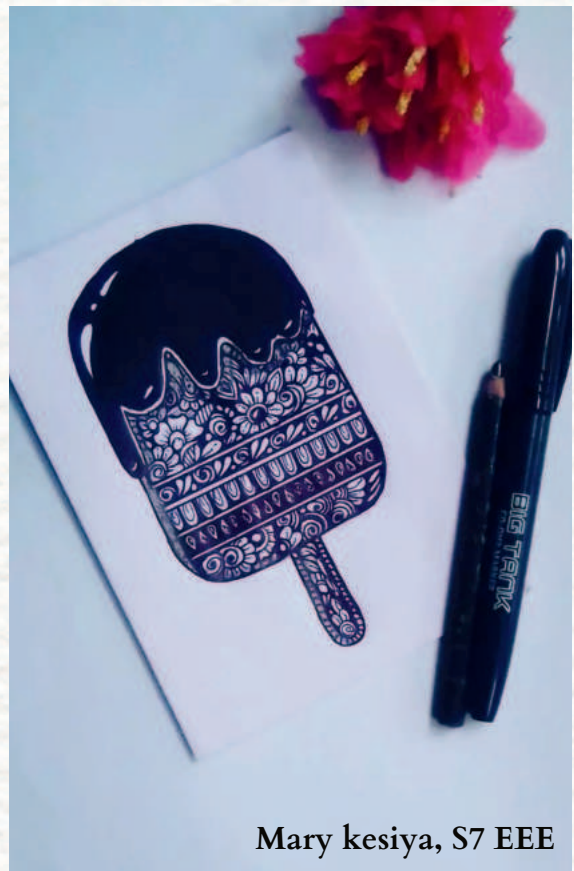
Sigi, S2 ECE



AmalJose K V S3 EEE



Raina Henry, S8 CSE



Mary kesiya, S7 EEE



Raina Henry, S8 CSE



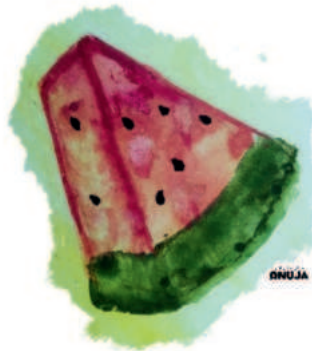
Anamika Sunil S K, S4 CSE



Mary kesiya, S7 EEE



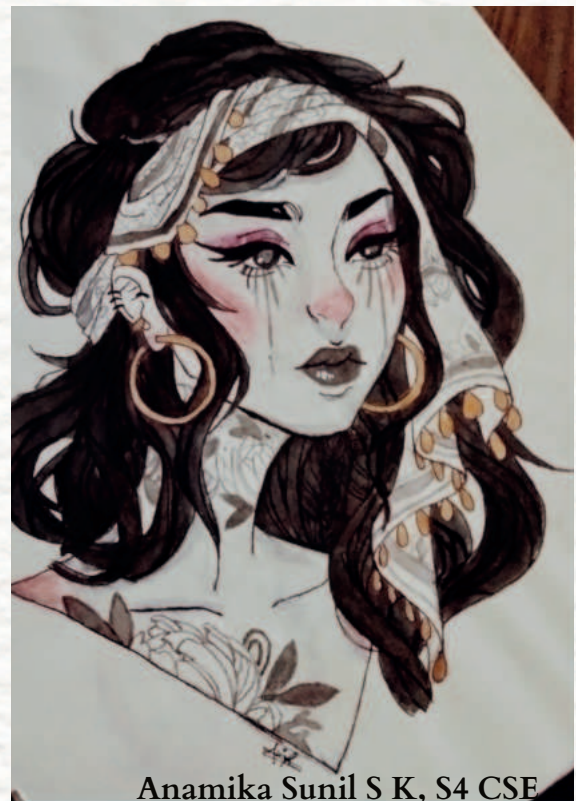
Anamika K S, S4 CSE



Anuja Krishna S, S2 CSE B



Raneem Abdul Rasheed, S2 CSE A



Anamika Sunil S K, S4 CSE

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STEVE MANUEL, S4 EEE



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SONA ELSA ABRAHAM, S8 EEE



Mary kesiya S7 EEE



NOYAL DOMINIC, S8 EEE



HARIKRISHNAN VS, S4 EEE



STEVE MANUEL, S4 EEE



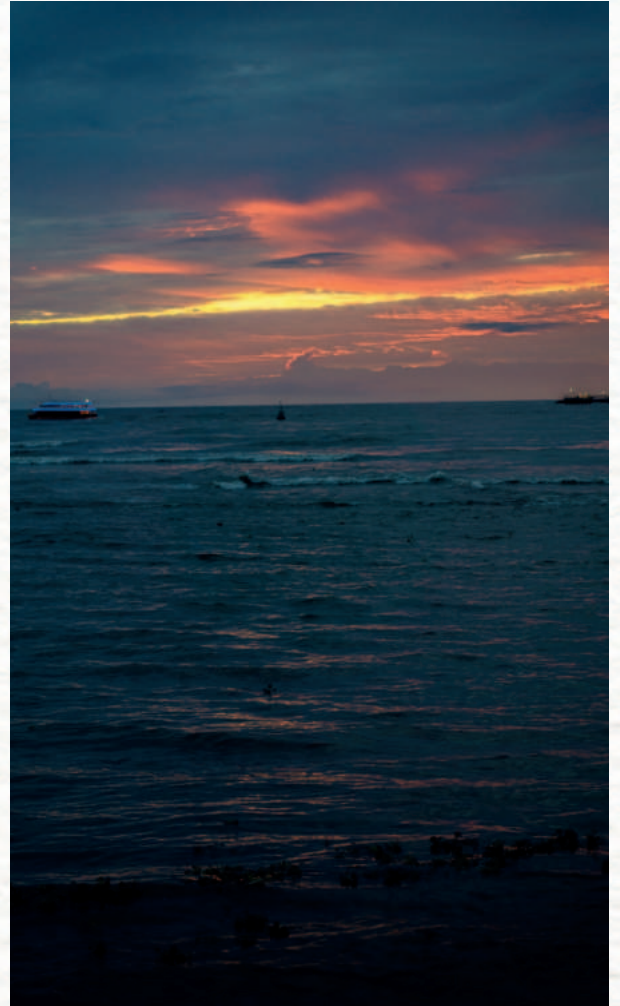
ANN MARY C.A,S8 EEE



ASSUMPTA K.X,S8 CE



SANJU M B, S2 CSE



ALIYA A HAKKEEM,S8 CE



AERON C JENSON,S8 ME



GROUP PHOTOS



S2 ECE



S4 ECE



S6 ECE



S8 ECE



S2 CE



S4 CE



S6 CE



S8 CE



S2 MTECH



S2 CSE A



S2 CSE B



S4 CSE



S6 CSE



S8 CSE



S2 ME



S4 ME



S6 ME



S8 ME



S2 EEE



S4 EEE



S6 EEE



S8 EEE



FACULTY



ECE FACULTY



EEE FACULTY



ME FACULTY



CSE FACULTY



CE FACULTY



ASH FACULTY



OFFICE STAFF



LAB STAFF



SUPPORTING STAFF



SUPPORTING STAFF



“

**We do not remember days;
we remember moments.**

-Cesare Pavese

IN LOVING MEMORY OF



Jude Rahul Mathew



Athul Rajeev

Their warmth, kindness, and laughter will forever remain in our hearts. Our deepest condolences to the family.

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