

അകാശം

2022-'23

OUR HEAVENLY PATRON



ST. ALBERT THE GREAT

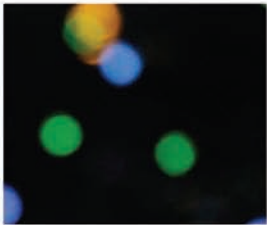
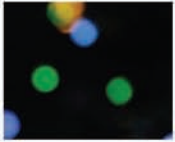


VISION

To be a center 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



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
സാബിരായിൽ താരമായ് വന്നുദിച്ചവൻ
ജ്ഞാനദീപമായി ജ്വലിച്ചു നിന്നിരുന്നവൻ
ആൽബർട്ടു പുണ്യവാൻ സ്വർഗ്ഗത്തിൽ
നമ്മുടെ മദ്ധ്യസ്ഥയായിന്നു ശക്തി നൽകിടും.



OUR PATRON



**MOST REV. DR. JOSEPH
KALATHIPARAMBIL**

MESSAGE

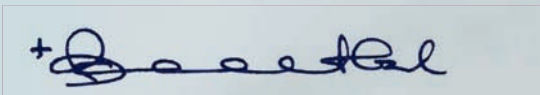
I am pleased to know that Albertian Institute of Science and Technology is releasing the college magazine “AKSHARA 2023”.

The goal of education is to discover the deeper meaning of life of transcendence, to learn to interact with others, love creation, to think freely and critically, find fulfilment in work, and plan their future or in one word to learn “to be”. It is in and through education that one can hope for more human and humane future and a more harmonious society. Archdiocese of Verapoly, in her centuries spanning track record, has always been emphasizing the importance of the integral growth of the personality.

Being one of the leading institutions of Archdiocese of Verapoly, AISAT has reached the heights of glory by its tremendous hard work and it is heartening to note that AISAT is reaching newer heights in its pursuit to be a centre of excellence for professional education and related services. I exhort all the budding engineers of AISAT to make use of every opportunity to develop the God given talents.

I appreciate the initiatives and all the efforts in expanding AISAT’s influence in various spheres of education and personal development areas. And I also congratulate all who toiled to make “AKSHARA 2023” a reality.

Invoking God’s abundant blessings upon you



✠ **Joseph Kalathiparambil**
Archbishop of Verapoly



Fr. Antony Vacko Arackal Manager



In the words of the great inventor Thomas Edison, “Genius is one percent inspiration and ninety-nine percent perspiration.” These profound words remind us that achieving greatness requires more than just inspiration; it demands hard work, dedication, and unwavering perseverance. As we navigate the competitive landscape of today’s world, it is essential for both professionals and students to embrace Edison’s philosophy and channel their efforts and determination towards transforming their ideas into reality.

The journey to success is paved with self-belief and hard work. I have unwavering faith that each and every one of you will embrace this philosophy, challenging yourselves every day to become better individuals. Together, we have withstood testing times and emerged stronger, more compassionate, and united. It is through unity that we have achieved remarkable milestones and will continue to reach even greater heights.

Every act of kindness, no matter how small, carries its own rewards. Let us embark on this journey by putting our hearts into everything we do, no matter the scale. As we start small, we sow the seeds of greatness within ourselves and pave the way for collective achievements.

I extend my heartfelt congratulations to every tireless hand that has contributed to the realization of “AKSHARA 2022-23.” Your unwavering commitment and dedication have made this publication a reality. May this magazine serve as a testament to our collective efforts, aspirations, and accomplishments.

As we move forward, may the Lord bestow His blessings upon each and every one of you. May these blessings guide us in our pursuit of knowledge, unity, and excellence.

Together let us continue to make our college community a beacon of inspiration, growth, and success.



Fr. Manoj Francis Marottickal Asst. Manager



College is a transformative period in your lives, a time when you have the opportunity to explore new ideas, challenge existing beliefs, and broaden your horizons. It is a time to step out of your comfort zones and embrace the unknown. Each encounter, be it academic, social, or personal, presents a chance for growth and self-discovery.

The nurturing environment that we have created at AISAT is a combined effort of our faculty, non-teaching staff, and students. We are able to shape individuals who excel not only academically but also emotionally, spiritually, and artistically.

The essence of AKSHARA goes beyond its pages. It represents the unity, camaraderie, and shared vision of our college community. Through this magazine, we celebrate the diversity of talents and perspectives that thrive within our walls, creating an atmosphere that fosters personal growth, creativity, and a deep passion for learning.

As we unveil AKSHARA to the world, I encourage each and every member of our college community to cherish this milestone. Let it serve as a reminder of the incredible potential we possess when we come together, support one another, and strive for excellence.

Once again, my heartfelt appreciation and congratulations go out to all the staff and students involved in the making of AKSHARA. Your contributions have undoubtedly enriched our college community and exemplified the spirit of excellence that defines AISAT.



Prof. Dr. S. Jose Principal



This academic year 2022-23 is very special for AISAT as the student strength crossed 1000 this year for the first time. It was also during this year AISAT achieved the distinction of a program getting accredited by NBA. The UG program in civil engineering was accredited by NBA for 3 years up to June 2025. Moreover, AISAT could do a hatrick of 100% admission consecutively for 3 years.

The batch 7 students who passed out in 2022 brought laurels to the college by way of good results. The academic ranking of AISAT based on those results was 45 among the 140 colleges under KTU. Based on the percentage of admission, our position is 5th among the KTU colleges. All these could be achieved with the able leadership of our former manager Rev. Fr. Denny Mathew Peringatt. The saga continues with the present manager Rev. Fr. Antony Vacko Arackal along with the young and energetic Asst Manager Rev. Fr. Manoj Francis Marottickal. All faculty, staff and students also played their roles very well for realizing these achievements.

I am happy to note that the college magazine "Akshara" is being published this year as a collection of literary works of our students. Apart from academics, our students excel in social activities, sports, cultural activities and co curricular activities of various kinds. It was understood that all such achievements are also showcased in this magazine. The effort taken by the magazine committee is highly appreciated and wish the magazine would contribute as another historic document for the college.



Prof. Paul Ansel V.

Vice Principal (Administration)

Our college Magazine by the name “Akshara” has been the epitome of our endeavours to showcase the talents of our students from the very beginning of this institution. I am delighted to extend my warmest congratulations to the entire college magazine team on the successful publication of the latest issue. Your hard work, talent, and dedication have resulted in a publication that is truly exceptional.

Even this new edition of the magazine is a showcase of the diverse creative talents of our college community, and it never fails to impress and inspire us. The articles, essays, poems, and artwork contained in its pages are a testament to the vibrancy and creativity of our students, faculty, and staff.

As a college, we believe that creativity is the foundation of intellectual growth, and this college magazine is a valuable platform that highlights that belief. Your contributions are a reflection of our commitment to fostering a culture of innovation, intellectual exploration and above all preserve the finest essence of the mankind.

I encourage everyone to take a moment to read through the magazine and appreciate the remarkable talent and diversity of our AISAT family.

Once again, congratulations to the magazine team and thank you for your outstanding work.



Dr. Veena V.
Vice Principal (Academics)



At AISAT, we are deeply committed to providing our students with a comprehensive education that prepares them for success in all aspects of their lives. We aim to create an atmosphere that encourages creativity, innovation, and personal growth in every student.

The editorial team has done an excellent job in capturing the essence of our college and showcasing the varied talents and skills of our students. Their hard work and dedication are a testament to their passion and creativity.

I extend my warmest congratulations to the editorial team for bringing this magazine to life. I hope that this magazine will ignite inspiration and motivation in all our students to pursue their passions and strive for excellence in every aspect of their lives.

Mr. Tubin T. X., Staff editor
Assistant Professor, Dept. of ECE



It is with great pleasure that we present to you the latest edition of our college magazine “AKSHARA”. As the editorial team, we have dedicated countless hours and put in tremendous effort to bring you a publication that showcases the talent, achievements, and diverse perspectives within our college community.

This magazine serves as a platform to highlight the exceptional work of our students, faculty, and staff across various fields of study. Through its pages, you will find thought-provoking articles, captivating stories and beautiful artwork. We believe that this collection of creative and intellectual endeavours truly represents the essence of our college and the vibrant individuals who contribute to its growth and success.

We would like to express our deepest gratitude to all the contributors who poured their hearts and souls into their submissions. Your passion, dedication, and willingness to share your ideas have made this magazine a truly remarkable publication. It is through your work that we are able to capture the spirit of our college and create a sense of belonging for our readers.

We would also like to extend our appreciation to the faculty and staff who have provided their guidance, support, and expertise throughout the editorial process. Your unwavering commitment to nurturing our students’ talents and encouraging their creativity is truly commendable.

Lastly, we would like to express our heartfelt thanks to our college management for their continuous support and belief in the power of this magazine. It is through their encouragement that we are able to provide this platform for our community to shine.

We sincerely hope that you enjoy reading this edition of our college magazine as much as we have enjoyed creating it. Thank you for your ongoing support, and we look forward to sharing more incredible stories with you in the future.

Thank you for your support and enjoy the magazine!

Nihad K. Abbas
S8 CE
Magazine Student Editor



We all have that one photo album of us which was put together by our parents and kept in the most secure way. These albums have one sole purpose in life, to capture and showcase our talent of ourselves. They record every detail of our lives, even the smallest moments.

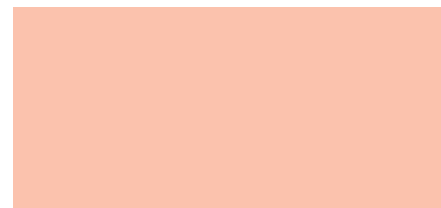
I would like to utilize my position as the magazine editor of AK-SHARA 2023, to document, record and highlight the most memorable moments that occurred at our campus. Most people fails to acknowledge the value of little moments like these. The most minor moment might be the one that we miss the most. So seize these precious moments and embrace a life of freedom.



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TAKE ONLY MEMORIES,

LEAVE ONLY

FOOTPRINTS.



അപ്രകാശം

2022-2023



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Faculty Representatives



Tubin T. X.
Staff Editor



Jibin Jose



Dr. Bindumol T. V.



Lekshmi Babu



Saranya Shaji

Student Representatives



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S8 CE, Student Editor



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S6 CSE



Aleena Biju
S8 EE



Alphin David
S6 ECE



Anamika Sunil S.K.
S2 CSE



Anandhu P.N.
S4 CSE



Ashvin Antony
S4 EE



Astil Martin
S8 ECE



Bevan Bernard
S6 EE



Joyal Siju
S6 ME



K S Aman Roshan
S2 ME



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S6 CE



Mehul Vinayak Anil
S8 ME



Pooja T.O.
S2 EE



Richard K. George
S8 CSE



Rifana Ayoob
S4 CE



Sam Vincent
S4 ECE



Sana Fathima M.A.
S2 CE



Sreeram Manoj
S4 ME



Veena Antony
S2 ECE

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 & Co-ordinator, 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 10.50am, P & T Cell executive committee meeting is conducted for discussing & organising the placement activities.

Every Thursday, regular training on Aptitude, soft skills (Group Discussion, Language Proficiency) & Technical Java/C/C++ are given to these students. In addition to that, external training by professionals are also provided.

Special trainings on Saturday & Sundays (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. Minimum two external training programs are also scheduled for two days each.

The training will be continued till they receive employment offer letter with a salary pack of minimum Rs.3Laks etc.

Unemployed students of Eighth semester are given Technical and Communication training on every Monday.

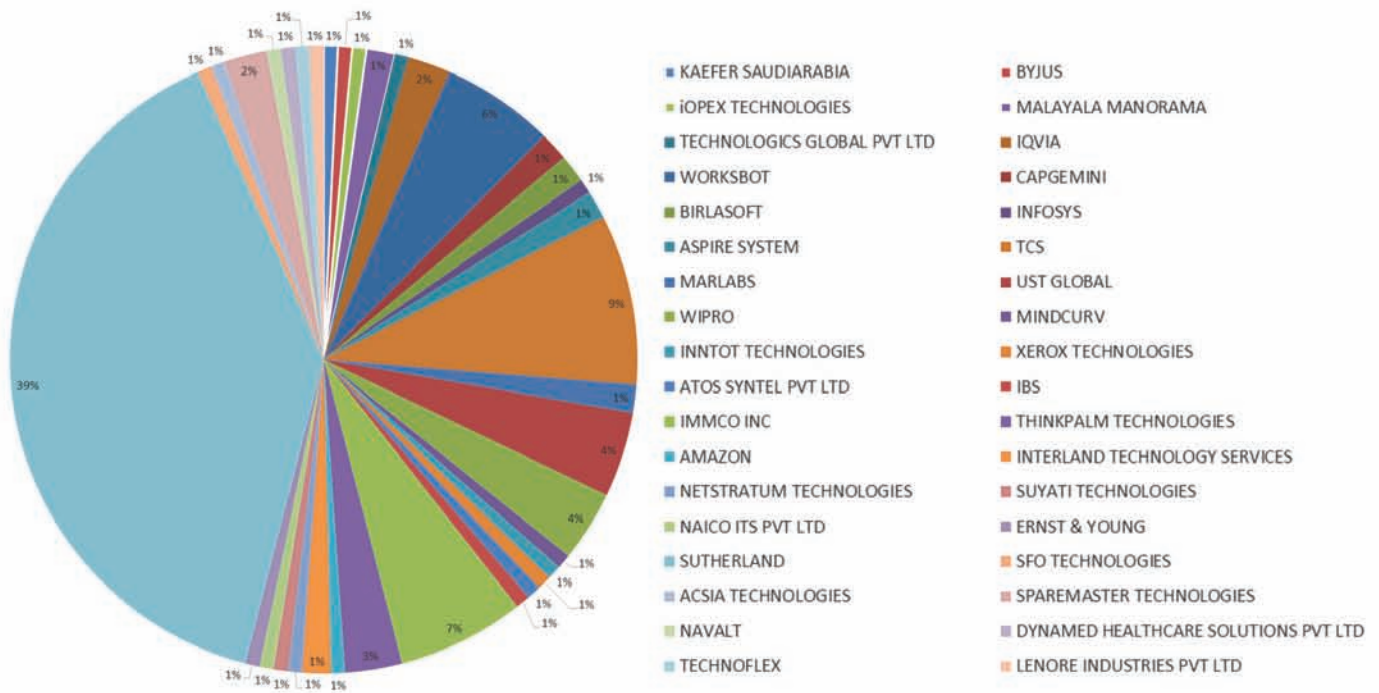
We also started, Self-Introduction and resume preparation from S2 and Group Discussion from S4 from this year.

The following are the major trainers:

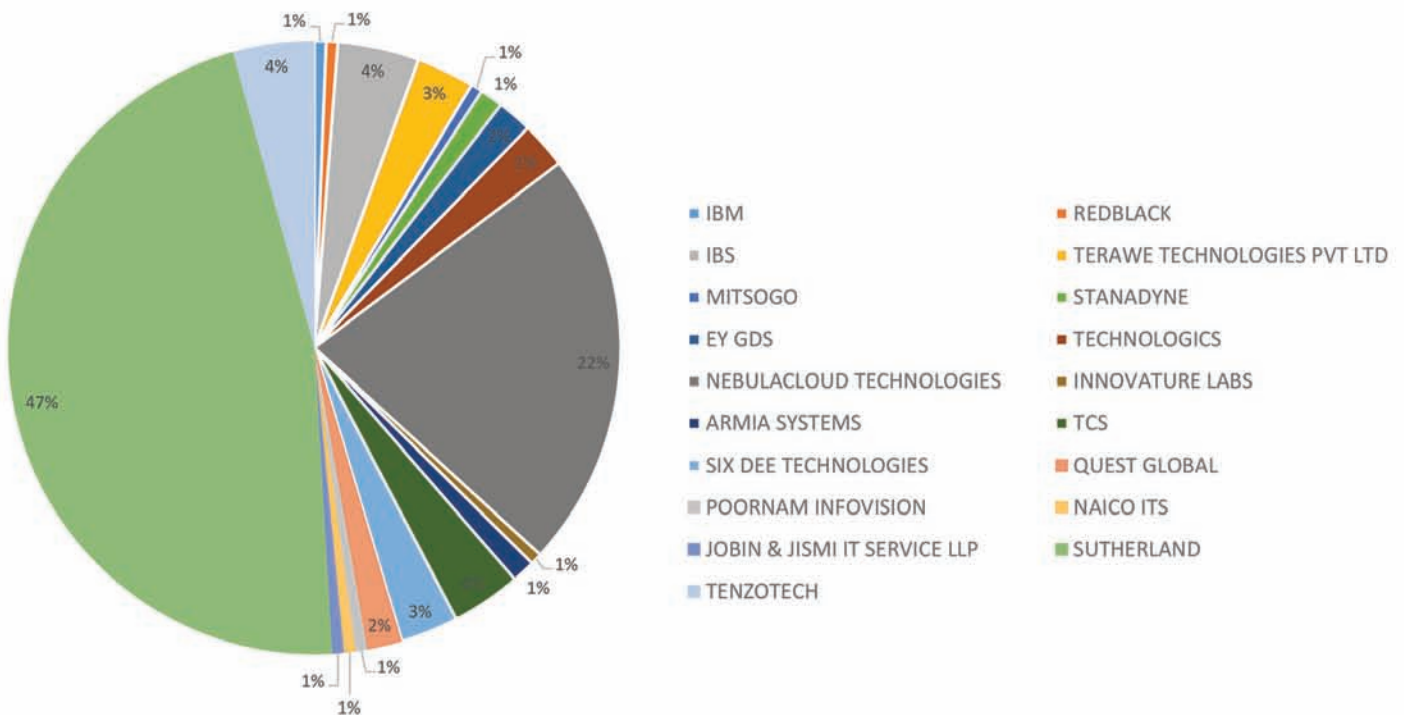
- ◆ Trinity Skill works, Bangalore
- ◆ FACE Academy, Chennai
- ◆ Mahindra Pride School, Bangalore
- ◆ The Chopras, Coimbatore
- ◆ Konfidence Team, Kerala
- ◆ The Leaders, Hyderabad
- ◆ TIME Pvt Ltd, Kerala.
- ◆ GTT foundation



PLACEMENT STATISTICS 2018-2022 BATCH 7



PLACEMENT STATISTICS 2019-2023 BATCH 8



OUR RECRUITERS.....



PLACEMENT RECORD

Batch 1 (2012-16)	85% Students placed*	Batch 4 (2015-19)	79% Students placed*
Batch 2 (2013-17)	87% Students placed*	Batch 5 (2016-20)	81% Students placed*
Batch 3 (2014-18)	87% Students placed*	Batch 6 (2017-21)	87% Students placed*
	Batch 7 (2018-22)	90% Students placed*	

*Eligible

CLASS TOPPERS

CE



1

Nimmi U
(CGPA 9.62)



2

Akhil Thomas N.A.
(CGPA 9.3)



3

Navya Eliswa
(CGPA 9.17)

CS



1

Abdulla Shaheen
(CGPA 9.48)



2

Aira Treesa Binu
(CGPA 9.28)



3

Sreesha S. Prabhu
(CGPA 9.23)

ECE



1

Soniya Mary
(CGPA 8.13)



2

Anju Joshy
(CGPA 8.03)



3

Aysha Mather K.A.
(CGPA 7.99)

EEE



1

Alma Tresa Paul
(CGPA 8.82)



2

Alan Sebastian
(CGPA 8.69)



3

Xavier C.J.
(CGPA 8.11)

ME



1

Jess Boban
(CGPA 9.15)



2

Jerry Thomas
(CGPA 9.0)



3

Ashwin Jos Prince
(CGPA 8.7)



Annual Report

AISAT is an undertaking of Archdiocese of Verapoly – an Archdiocese which has a track record of centuries serving the field of education. Today, AISAT is 10 years old, offering 5 undergraduate and 1 post graduate programs, affiliated to APJ Abdul Kalam Technological University, Thiruvananthapuram & approved by All India Council for Technical Education, New Delhi.

Seven batches of B.Tech students graduated from AISAT. Today we have a total of 1033 undergraduate and 1 post graduate student. There are 71 faculty members and 49 non-teaching staff on the rolls. Out of the 71 faculty, 14 are Ph.D holders and 15 are pursuing Ph.D. on part time basis. Another 8 faculty are on leave pursuing Ph.D. at various institutes on full time basis.

Admission statistics for the year 2022 is as given below

Branch of study	Govt Quota including TFW	Management Quota including NRI & lapsed seats	Total admissions	Approved intake
Civil Engineering	10	46	56	60
Mechanical Engineering	14	42	56	60



Electrical & Electronics Engineering	15	44	59	60
Electronics & Communication Engineering	22	40	62	60
Computer Science & Engineering	29	34	63	60

Though the academic quality of the students joining for the programs are average, there is dedicated effort from the side of faculty to bring the students at par with graduates from other institutes. Various steps are adopted by the institute to achieve better success index and higher academic performance index. A few such initiatives are:

- Bridge classes based on results of diagnostic tests
- Remedial classes based on results of internal exams
- Grouping of students based on academics and selective coaching
- Supervised study sessions prior to internal exams
- Support classes for equipping students for supplementary exams
- Academic performance linked scholarships
- Academic incentives for excellent performers
- Special scholarships for scoring SGPA of 10/10 Grouping into Academic clubs based on CGPA and related awards
- Discussion on previous GATE questions for selected students
- Cash awards to class toppers in S8 examinations
- Encouragement to students to join for MOOC courses and secure certification
- Active involvement of faculty advisors in mentoring and motivating the students

- Seminars on career opportunities/ competitive exams
- Awareness on higher education in India and abroad
- Special training programs to equip students to appear for placement selection

Apart from the above, various co-curricular and extra-curricular activities are organised by College Union, NSS, Ashwas centre, IEDC, Dept. associations, various clubs and student chapters of professional societies. All departments are conducting state level project competitions for students in association with various professional societies.

Reports of activities of the department including the academic results and achievements by faculty and students are provided separately. The activities of various cells, clubs and associations are also listed.

Accreditation

The B. Tech program in CE has been accredited by NBA for three years upto 30th June 2025. Two other programs, namely Computer Science & Engineering and Electronics & Communication Engineering had submitted the SAR for accreditation by NBA in September 2022 and are expecting the Expert team's visit shortly. The remaining two programs Electrical & Electronics Engg and Mechanical Engineering would be submitting the SAR for accreditation by NBA in 2023. Planning has started to get AISAT accredited by NAAC with a minimum of A+ grade by the year 2024.

The NEP 2020 envisages discontinuing the affiliated system of colleges in a phased manner. Alternately, autonomous and deemed to be Universities would be encouraged. It is expected that AISAT could attain autonomous status by the year 2027.

Academics

For attaining these as planned, academic results are to be improved for which student mentoring also to be strengthened. The research facilities, funding and publications are to be enhanced. Library to be equipped with quality reference books and access to e-books. Profession-

al society memberships by faculty needs to be encouraged and hence related student chapter activities can be promoted. Interactions with industry, industry supported labs, consultancy, internship and industrial projects, entrepreneurship and startups are also to be promoted.

During the current semester, the goal of every faculty is to equip ALL students to score pass marks for the internal exams, with 50% students scoring more than 80% marks. Various steps are taken up by faculty to enhance effective learning by the students. The internal exams are planned to be conducted during the AN session. The respective FN session would be used as Supervised learning session, during which the students would be supported to answer the selected questions from Question banks. This is expected to boost the capability of students in presenting the answers and thereby the confidence of students.

Research

In order to enhance the research contributions by faculty and increase the number of publications and patents. To promote research publications by faculty and students, AISAT is planning to introduce a new Journal publication in the name AISAT Journal of Technology starting from this year.

Library

Publishers like Pearson, Tata McGraw Hill and Prentice Hall are offering e-book subscriptions for their publications. Recommended to include such subscriptions as part of our library with unlimited access to all students and faculty.

Industry Interactions

All departments initiated MOUs with various industries. Dept of Electrical and Electronics Engg. Initiated a New MOUs with Energy Conservation Society (ECS) was signed on 17th November 2022. Department of Electronics and Communication signed MoU with Baker and Grey Pvt. Ltd on 19th October 2022. Dept of Computer Science & Engg. Executed MOUs with TEKOSOL IT Solutions and VerDant IT SOLUTIONS LLP on 29th September 2022.

Discussions are ongoing for new MOUs.

During the current semester, all departments would initiate at least 2 MoUs with industry to facilitate consultancy, internship, training, projects and placement.

Placement

Regarding placement, our statistics during previous years are good. But we have to focus more on placement in core engineering sector, especially for Civil and Mechanical branches.

Introducing Add on Courses

To enhance the employability of the outgoing students, add-on-courses with certificates needs to be introduced. All depts. had prepared proposals to initiate add-on-courses which will be offered to our students during the current semester.

DEPARTMENT ACTIVITIES

1. Department of Civil Engineering

1.1 APJKTU Funded FDP

Name of Faculty coordinator	Title	Duration and of the programme	Amount	Funding Agency
Ms. Vee-na V, Ms. Liji Anna Mathew	Building Information tools for Digital transformation in Construction	5 Days, 6 th to 10 th March 2023	Rs. 2,00,000/-	AP J Abdul Kalam Technological University

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	Model Tests on Granular Pile Anchor and Helical Anchor: A Comparative Study.	Jerin Joseph	International Journal of Geosynthetics and Ground Engineering	2022
2	Grouting – an effective method for reducing the permeability of sandy soils	Dr Benny Mathews Abraham	Internation Journal of Hydrology Science and Technology, Inderscience Publishers	Accepted for publication
3	Experimental Study to Compare the Behaviour of Drilling Fluids as a Borehole Stabilizer	Dr.Veena V	Lecture Notes in Civil Engineering	vol 284. Springer, Cham. https://doi.org/10.1007/978-3-031-12011-4_24

Conference Paper Publications		
Title of Paper	Dates and Year	Details of Organisers
Name of the Author- Dr. Benny Mathews Abraham		
Studies on the Performance of Under reamed Piles in Sandy soil through Model Tests	20-22 nd December, 2022	ICACE 2022
Utilisation of Brine Sludge to improve the strength and compressibility characteristics of Soft Clay	15-17 th December, 2022	IGC 2022
Name of the Author- Prof. Jerin Joseph and Prof. Sheeja M K		
Stability Analysis of an unstable slope at Kanji-kuzhi, using GEO5 Software	15-17 th December, 2022	IGC 2022 held at Kochi
Name of the Author- Prof. Jerin Joseph		

Comparative study on the uplift capacity of single helix helical anchor and granular pile anchor in sand	15-17 th December, 2022	IGC 2022 held at Kochi
Name of the Author- Prof. Aiswarya Anil		
A comparative Study on stability of Kootickal slopes during 2021 landslides by means of Geo-Studio and Plaxis 2D.	15-17 th December, 2022	IGC 2022 held at Kochi

1.3 Achievements by faculty/student

Sl. No.	Name	Type	Achievement
1	Navya Eliswa	Semester Examination Result	Secured SGPA 10/10 in S7 and S8 University Examination
2	Mridul Martin, Nevin Francis, Aaditya F Deon Correya	Cube casting competition	Bagged 1 st Prize worth of Rs.3000
3	Aaditya Frankur & team Nevin Francis & team Ibrahim & team	Idea pitching competition	Each team Bagged Cash Prizes worth Rs.4000 for pitching the best ideas
4	Dr. Veena V	Academic	Assoc. Prof Veena V was entitled with Doctoral Degree.
5	Jerin Joseph and Sheeja M K	Paper publication	Student paper by Aswathy Shaju, Fabitha KJ and Shabanam guided by Jerin Joseph and Sheeja MK accepted by Indian Geotechnical Conference 2022
6	Dr Benny Mathews Abraham	Professional society election	Dr Benny Mathews Abraham elected as chairman of IGS, Kochi Chapter
7	Dr Benny Mathews Abraham	Accreditation	Served as Member/Coordinator for NAAC Peer Team visit
6	Dr. Veena.V	Academic	Co-chaired technical session on Soil Stabilisation, Ground Improvement and Land reclamation and Rock engineering, Tunelling and underground structures in IGC 2022.
7	Prof. Liji Anna Mathew	Academic	Organising committee member, IGC-2022
8	Dr. Veena.V	Academic	Organising committee member, IGC-2022

9	Dr. Bindumol T.V.	Academic	Served as KTU external auditor
10	Dr. Veena.V	Academic	Served as KTU external auditor
11	Dr. Bindumol T.V.	Academic	Served as curriculum and syllabus preparation committee member for M. Tech 2022 scheme
12	Jerin Joseph	Coordinator	NATPAC consultancy

Department consultancy

- The department of civil engineering generated a revenue of Rs. 42,270/- through various consultancy services provided by the department.
- The department consultancy also employed 32 final year students for the consultancy project "Traffic Surveys for Angamali - Eruveli Sabari Rail Project" with collaboration from KSCSTE-NATPAC, Thiruvananthapuram. The department received an amount of Rs. 27,270 for the service.

1.4 Student Achievements

Sl. No.	Name	Type	Achievement
1	Aswathy Shaju, Fabitha KJ and Shabanam	Poster presentation	Second Prize for poster presentation (IGC 2023)

2	K R Malavika	Sports	Second Position in Badminton (Zelosta 2022)
3	Evangelina Henry, Namitha tomy, Twinkle M J, Jisa M J, N. Misirria, Farhana AS, Mariya Rose, Jinu Jacob, Aarcha S, Nandana M S, Tejus, Meenu, Nihad K Abbas, RainaSerin, Muhammed Rasal, Dona Heral, Sandra and Austin	Placement	Placed in Sutherland
4	Dona Herald, Evangelina Henry, Aaditya J Frankur, Cindrella S, Mohmd. Rasal, Nevin Francis, Thehus Nelson	Placement	Placed in Nebula Cloud Technologies

1.5 Department association/ professional society activities

Technical Talk on “Vaasthu Shastra & Its Scientific Aspects”

Civil Engineering association ACEA of AISAT conducted a technical talk on 26th October 2022, on “Vaasthu Shastra & Its Scientific Aspects”. The talk was delivered by Er. Aparna S. Anil, Chief Consultant, Vaasthu Insight. The session started with prayer. Ms. Evangela from S7 civil welcomed all. Er. Aparna S. Anil interacted with the students about what is vaasthu and how it affects scientifically. She explained that happiness is the combination of 5 important ingredients like happy family, good health, success in career, financial abundance and decision making. She also explained about applications and recent trends in Vaasthu Shastra. She concluded that the Vaasthu is about making our surroundings from sweet to sweeter and bitter to less bitter. All S7, S5 and students along with faculty attended the talk. The talk came to an end at 3.30pm. Students were raised queries about vaasthu and the speaker cleared all. Ms. Veena V Vice principal AISAT handed over a token of appreciation to the guest. Ms. Shifa V Anvar, S5 Civil proposed vote of thanks.



ProComp 2021-22

The Department of Civil Engineering, AISAT in association with Graduates' Association of Civil Engineers (GRACE) organised ProComp 2021-22, an annual project competition which provides an arena for the final year B.Tech Civil Engineering students from various engineering colleges under APJ Abdul Kalam Technological University, to showcase their innovative concepts and project works, done as a part of their curriculum.



The presentation of the projects qualified to the final round of ProComp 2021-22 was held on 24th September 2022 in online mode. The sessions were enriched by the presence of Dr. Subha V, Professor, SOE, CUSAT and Er. Abilash Joy, President, GRACE. The Mokshagundam Visvesvaraya prize for the best project was bagged by the team consisting of Filsa K.I, Asna P, Fathima Sana M.A of Government Engineering college, Thrissur. The second prize winners were Nimmy Paul, Megha Mohan, Midhun G Kumar, Mervin Ann Kurian of Saintgits College of Engineering, Pathamuttom, Kottayam. The winning teams were awarded, prize money, citation and certificates on 03.12.2022 during the 11th Praphulla Kumar Memorial Lecture by Prof. Dr. S Jose, Principal, AISAT and other dignitaries.

IGS-AISAT Award 2022

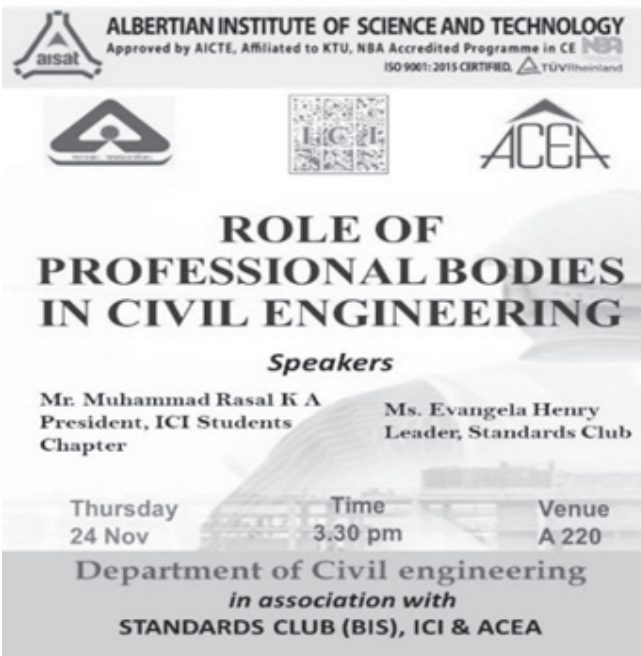
The IGS-AISAT Award for the Best M.Tech Thesis in Geotechnical Engineering in the state of Kerala is the annual competition conducted jointly by the Indian Geotechnical Society (IGS) - Kochi Chapter and Albertian Institute of Science and Technology, Kalamassery. The competition received an overwhelming response, with a total of 17 participants submitting their research work. After a rigorous evaluation process, the top ten candidates were shortlisted for the presentation by an expert committee. The competition was conducted entirely online on 15th October, 2022. The presentations and theses were valued by a panel of judges consisting of eminent experts in the field of Geotechnical Engineering. The winner of IGS-AISAT Award 2022 for the best M. Tech. project was announced and presented the certificate of merit and the award along with the cash prize of Rs.10,000/- during the 11th Praphulla Kumar Memorial Lecture on 3rd December, 2022 which

was an official function of the IGS-Kochi Chapter. The certificates of merit were issued to the best five theses during the function.



Talk on role of professional bodies in Civil Engineering

Students of S1 Civil were given an introductory session on 'Role of Professional Bodies in Civil Engineering' on 24/11/2022. Student representatives from ICI, Standards Club and ACEA coordinated the session. The Session was focused on providing the fresher students to professional societies, its activities and achievements acquired by the members till date.



Exposure Visit by Standards Club members

Standards Club members of AISAT (23 students from S6 and S8 CE) attended an exposure visit on 21/02/2023. Exposure visit was at SAVIGO TUBES Pvt. Ltd, Erumathala, Aluva, a steel tube manufacturing unit. The exposure visit was co-

ordinated in association with Bureau of Indian Standards (BIS), Kochi accompanied by Prof Aswathy R and Prof Sherine Justine. Students had two sessions:

- 1) An orientation on the IS Codes followed for the manufacturing of steel, physical and chemical tests used for the quality check. A briefing was given on the acquisition and storage of raw materials.
- 2) Plant visit – Visit to the steel tube manufacturing plant enabled the students to connect their bookish knowledge to reality. Raw material conversion to product storage could be clearly perceived.



Official from BIS interacted with Standards club members to highlight the importance of connecting their theoretical knowledge to actual practice. Student queries were clarified by the QC head of SAVIGO Tubes.

Workshop on “Revit Architecture”

The Department of Civil Engineering organized a one-day workshop on “Revit Architecture” on 2nd February 2023 in association with Trittech Design Academy. A detailed overview



about the Building Information Modelling (BIM) systems was delivered by Mr. Arun Joy, MEP Engineer, Trittech Design Academy. It was followed

by a hands-on session on Revit Architecture software by Aneesh Kumar and Athira Aneesh, Technical Engineers, TDA. The session highlighted advanced features of Revit Architecture in the design and Architecture array. Students were enlightened with advanced tools used in the field of building construction.

Ju E Dini –monthly poster-(meaning ‘Do you know’) to enhance general updations about building and construction)

Stake out

Mr. Sravan Ramakrishnan, Ms.Shifa V Anwar, Liyana Yasmin participated in STAKE OUT conducted by ICI Sudent Chapter,CET Trivandrum

Panel Discussion

Mr.Nevin Francis S5 CE and Mr. Sravan Ramakrishnan participated in the panel discussion on Future of Infrastructure Growth in Kerala organized by ICI Kochi in association with The Ramco Cements Ltd. On 12th October 2022.

ICI Best Student Chapter award for AISAT

Indian concrete Institute in association with Ultra tech presented the best student chapter award for AISAT on 27/02/2023. Mr.Nevin Francis, Mr. Sravan Ramakrishnan, Mr Austin. and Ms. Devika Joshy and faculty representatives of ICI student chapter Dr.Veena V, Prof. Liji Anna



Mathew and Dr. Bindumol TV participated ICI ultratech award 2022 at Crowne Plaza on 21.02.23 to receive best student chapter award for the year 2022.

2. Department of Mechanical Engineering

2.1 FDP, FTP and MOOC attended by faculty

Name of faculty	Course	Course	Organized by	From	To
Arun V	FDP	3D Printing and Design for Academicians & Entrepreneur	S R Engineering College	21-06-2022	25-06-2022
Jayesh Johnson	FDP	Contemporary breakthroughs in the Technologies of Industry 4.0	Vimal Jyothi Engineering College	22-08-2022	24-08-2022

2.2 Achievements by faculty/students

- A training on OBE was attended by Dr. Ramadas T, Dr. Manoj Jose Kalathil, Mr. Jaison Joseph, Mrs. Neethu Elsa John, Mr. Jibin Jose on 15th September.
- Batch 9 ME students Basith Jazeem, Glen Mathew, Jeffin Joseph & Batch 10 ME students Sharon Sha, Aby Appachankutty participated in the IEEE state-wide program FORUM on 17th to 19th September.
- Dr. Manoj Jose Kalathil participated in Utkarsh’2022, IIT Palakkad Technology iHub Foundation on 29th September.



- Asst. Prof. Kuriakose V Thundiyl served as the resource person for a session on “How to get Start-up Ideas” at MGM College of Engg & Pharmaceutical Sciences, Valancherry on 7/10/22.
- Mr. Basith Jazeem & Mr. Antony C B of Batch 9 ME attended NSS Volunteer Secretary Meet on 4th & 5th October.
- Asst. Prof. Jibin Jose attended an awareness session conducted by KPIT- Sparkle as part of P & T cell at Rajagiri Engg College on 12/10/22.
- A paper titled “Optimization of jet angle in cross flow injectors” got published in Scopus indexed SPRINGER Journal of Recent trends of Thermal and Fluid sciences. The paper was co-authored by Batch 6 students Anil Antony, Antony Alwin, Adams Joseph, Joseph Antony Edezhath & Asst. Prof. Aswith R Shenoy.
- For the research proposal submitted by Asst Prof JVC Maliackal, a seed funding of Rs. 50000/- was sanctioned to carry out the research work in alternate fuels.
- Faculty Lecture Series on Outcome Based Education was conducted on 10th November. Speaker for the session was Mr. Arun V.
- First of its kind, the Friday FEST was organized on 18/11/22 to showcase the talents of our students during the club hour. It was coordinated by Assoct. Prof. Dr Manoj Jose Kalathil. This is an initiative to bring all the clubs under one umbrella.
- The annual sports meet got underway on 21/11/22. It is a one month long meet which will feature various sports and athletic events among 5 houses. This is coordinated by Asst Prof Kuriakose V Thundiyl.
- Prof. Asha K R served as external auditor for KTU Academic audit on 23rd & 25th November for MES Engg college, Kunnukara & ICCS College of Engg, Mupliyam respectively.

- The promo video of SHOOTOUT competition organized last week got published on 1/12/22 in the official page of Vimukthi, which is a mission of govt of kerala against drugs.
- Prof. Jaison Joseph attended an IEDC training at Kerala Startup Mission, Kalamassery on 2nd & 3rd December.

2.3. Department association/ professional society activities

- ◆ One Day workshop on Automotive Mechatronics & Diagnostics was organised at Little Flower Engineering Institute on 24th September. A total of 62 students of Batch 10,



Batch 9 and Batch 8 ME participated in this workshop. Training Session was coordinated by Asst Prof. Jaison Joseph & Asst Prof. Nisha B Nair & Jibin Joseph accompanied the students.

- ◆ A 3-day training/ internship on Design for Manufacturing by Conceptia Konnect were conducted on 24th, 25th and 26th September.



Training Session was coordinated by Mr. Antony Joseph. A total of 21 students of Batch 9 and Batch 8 ME participated in this training.

- ◆ Department of Mechanical Engineering coordinated Kaizen'22 a Faculty Development Program on 30th September and 1st October. After the inaugural ceremony of Kaizen'22,



Mr. Baiju PAM mentored all faculty of AISAT on topic "Make an impact as a Mentor". In the evening session of first day of Kaizen'22, staff meeting was attended by all faculty, lab staff & office staff. Second day of Kaizen was day-out for all staff of AISAT. The gathering was conducted at a resort in Angamaly named 'The Village'. The yummy food, funny games & cultural programs were enjoyed by all. The meeting got dispersed at 4.15 pm.

- ◆ Department of Mechanical Engineering in association with IEI and FLAME organized MECH CRAFT'22, an All Kerala B.Tech Project Competition on 6th October. Dr. Linss T Alex, Mr. Aswith R Shenoy, Model Engg College and Dr. Ramadas T were the judges for the project competition. Mr. Gregory James and team from Muthoot Institute of Technology & Science bagged first position with a cash prize of Rs. 10000/- & an ever-rolling trophy



sponsored by IEI Kerala chapter. Mr. Jaison Joseph was the coordinator for the project competition.

- ◆ A one-day training on Design for Manufacturing by Conceptia Konnect was conducted on 16th October. Training Session was coordinated by Mr. Antony Joseph. A total of 21 students of Batch 9 and Batch 8 ME participated in this training.

- ◆ Conducted an expert talk on "How to get start-up ideas" on 20th October. Prof. Kuria-kose V Thundiyl has delivered an inspirational lecture on October 20, 2022. Program was hosted by the Mechanical Engineering Association FLAME. Around 65 Mechanical Engineering students were a part of the event. He introduced the different aspects of entrepreneurship and emphasized that great idea is just one ingredient in a recipe for business start-up. He explained well about how start-



up works. Students got an idea on how to evaluate their start-up ideas, how to execute them and build an idea if they are not having one. He also taught on what basis should we evaluate or put a mark to our start-up ideas.

- ◆ Organized an orientation program "Bien-venue - Introduction to FLAME" under the leadership of Mr. Jaison Joseph on 27th October, 2022. The major objective of the programme was to make the students aware of



the academic aspects of the course, the rules and regulations of the institute and to ensure the performance and progress of students. The event was organised by the FLAME office bearers. Then the students were addressed by the HOD of Mechanical Engineering Prof. Asha K R who welcomed the students and gave them an introduction regarding the Department.

- ◆ Conducted the prelims of the debate competition “Don’t Argue with me” on 17/11/22 during the association hour. The finale of the same was conducted on 24/11/22. The team members from Batch 11 ME won the 1st prize. The 2nd prize was bagged by Batch 9 ME & 3rd prize by Batch 10 ME students. Asst Prof Jaison Joseph was the coordinator. Many topics from our day-to-day life, which is inevitable, were discussed here. Some of the topics



include online and offline education, transition from conventional vehicles to electric vehicles and much more. The competitions were conducted in two days and there were an active participation of the students.

- ◆ In association with Vimukthi Anti-Drug Cell we conducted a SHOOTOUT competition to mark



the solidarity & to create awareness among

students about the anti-drug campaign. Civil Excise Officer Mr. Fredy Fernandez, Vimukthi convener, Ernakulam range inaugurated the event in the presence of Asst Manager Rev Fr. Manoj Marottickal on 28/11/22.

- ◆ A career guidance program on Career opportunities in Oil & Gas technology was conducted for S7 ME students on 30/11/22. Mr. Rinto George, Gravitech Inspection services was the resource person. Prof. Dr Ramadas T coordinated the program.
- ◆ A career guidance program on Job opportunities in Marine industry for Mechanical engineers was conducted for S7 ME students on 1/12/22. Mr. Faizal Farook, Director, Accurant Engineers & Consultants was the resource person. Asst. Prof. Jaison Joseph coordinated the program. Around 27 Mechanical Engineering students were a part of the event. Firstly, he introduced the different course and new opportunities in this field. He explained well about how marine industry works. Students got know about how to evaluated their career aspects, how to execute them and build an idea if they are not having one. The lecture motivated the students to work hard and start a new way of life.



3 Department of Electrical and Electronics Engineering

3.1 FDP attended by faculty

Sl. No.	Name of the Faculty	Title of the FDP	Organized by	Date(s)
1.	Dr.Linss T Alex	Design and Development of Industry led Curriculum in Technological Era	AMET University	14/12/2022 to 22/12/2022
		Collaborative Research Practices in Modern Era	AMET University	13/02/2023 to 21/02/2023
		Online training/webinar on "IEEE Xplore"	AISAT	21/02/2023
2.	Dr. Leena T Timothy	FDP on NAAC Accreditation – Procedures and Processes	Ahalia School of Engineering and Technology	12/11/2022 to 13/11/2022.
		Design and Development of Industry led Curriculum in Technological Era	AMET University	14/12/2022 to 22/12/2022
		Online 9 days Faculty Development Programme on "Collaborative Research Practices in Modern Era"	AMET University, Chennai	13/02/2023 to 21/01/2023
		Online training/webinar on "IEEE Xplore"	AISAT	21/2/2023
3.	Prof. Annie Bincy C A	Design and Development of Industry led Curriculum in Technological Era	AMET University	14/12/2022 to 22/12/2022
		FDP on Emerging trends in Power Electronics and Control for Electric Vehicle and Smart Grid	The Electrical Engineering Department, Government Engineering College Palakkad	19/09/2022 to 23/09/2022
		Collaborative Research Practices in Modern Era	AMET University (Online)	13/02/2023 to 21/02/2023
		Online training/webinar on "IEEE Xplore"	AISAT (Online)	21/2/2023
		Design and Development of Industry led Curriculum in Technological Era	AMET University	14/12/2022 to 22/12/2022
		FDP on Emerging trends in Power Electronics and Control for Electric Vehicle and Smart Grid	The Electrical Engineering Department, Government Engineering College Palakkad	19/09/2022 to 23/09/2022
		Collaborative Research Practices in Modern Era	AMET University (Online)	13/02/2023 to 21/02/2023

4.	Prof. Stephy Mathew	Design and Development of Industry led Curriculum in Technological Era	AMET University (Online)	14/12/2022 to 22/12/2022
5.	Prof. Anitha Shaju	Design and Development of Industry led Curriculum in Technological Era	AMET University (Online)	14/12/2022 to 22/12/2022
6.	Thomas Felix	Design and Development of Industry led Curriculum in Technological Era	AMET University	14/12/2022 to 22/12/2022
		Seminar on Industrial Energy Auditing	Energy Conservation Society, AISAT and Energy Management Centre	21/12/2023
		2 Day Capacity Building Workshop for IEDCs with KSUM accredited TBIs	Kerala Startup Mission	02/12/2023 and 03/12/2023
		Online training/webinar on "IEEE Xplore"	AISAT	21/02/2023
7.	Prof. Thara Jose	Design and Development of Industry led Curriculum in Technological Era	AMET University (Online)	14/12/2022 to 22/12/2022
		Reshaping Teaching Learning Process for the Digital Era	Dept. of Civil Engineering, Carmel College of Engineering and Technology, Punnapra, Alappuzha.	30/1/2023 - 3/2/2023
		Collaborative Research Practices in Modern Era	AMET University (Online)	13/02/2023 to 21/02/2023

3.2 Achievements by Faculty/students

- ◆ Dr. Linss T Alex Electrical Supervisor cleared the Electrical Supervisor Grade A license conducted by Kerala State Electricity Licencing Board. The scope awarded are all LV/MV electrical installations, MV generator up to and including 500kVA and HT installation up to and including 500kVA in Kerala State.
- ◆ Prof. Deepu John participated in state level badminton championship for faculties on 17/09/2022 at Christ College of Engineering, Irinjalakuda.
- ◆ Dr. Leena T Timothy promoted as Associate Professor on 30.09.2022.
- ◆ Dr. Linss T Alex served as the Judge in the grand finale of B.Tech project competition 'MECHCRAFT'22 conducted by Department of Mechanical Engineering in association with IEI Kerala chapter on 06.10.2022.
- ◆ Dr. Linss T Alex was the coordinator of Schola Brevis 2022 inaugurated by His Grace Most Rev. Dr. Joseph Kalathiparambil Metropolitan Archbishop of Verapoly on 21.10.2022.
- ◆ Prof. Thomas Felix attended 'UTKARSH 2022' organized by IIT Palakkad Technology IHub Foundation and Kanjikode Industries Foundation on 29.09.2022.
- ◆ Prof. Thomas Felix attended International Conclave on Skills, Engineering and Technology(ICSET) organized by ICT Academy of Kerala on 30.09.2022
- ◆ Prof. Thomas Felix attended KPIT Sparkle Awareness program at Rajagiri School of Engineering and Technology on 12.10.2022.
- ◆ Dr. Linss T Alex coordinated and conducted Power Quiz 2022 in association with Kerala State Electricity Officers Association(KSE-

BOA) on 20/10/2022

- ◆ Prof. Thomas Felix coordinated district level power quiz by Kerala State Electricity Board Officers Association on 24.11.2022
- ◆ Prof. Thara Jose attended 'Author Workshop APJ AKTU; Understanding Research Metrics and Elsevier's Science Direct' on 22.11.2022 presented by Aishwarya Naya, Customer Consultant.
- ◆ Prof. Thomas Felix attended TBI Managers training program conducted by Kerala Startup Mission on 02.12.2022 and 03.12.2022.
- ◆ Dr. Linss T Alex, Prof. Annie Bincy, Prof. Dalphy Rani John, Prof. Stephy Mathew, Prof. Thara Jose, Prof. Deepu John and Prof. Anitha Shaju had joined Indian Society for Technical Education (ISTE).
- ◆ Dr. Linss T Alex coordinated one day seminar on 'Industrial Energy Audit' in association with Energy Conservation Society and Energy Management Centre.
- ◆ Dr. Linss T Alex attended 5th National Energy Congress 'ENCON 2022' organized by Energy Conservation Society on 13.12.2022 held at A.P Kurian Memorial C.S.A hall Angamaly.
- ◆ Dr. Linss T Alex and Prof. Deepu John played 'Professors Cricket Tournament' organized by FISAT, Angamaly on 25.01.2023.

Batch 7 students (2018-2022)

- ◆ Xavier C J, Aashmi Brijith George and Alma Tresa Paul are the winners of All Kerala B.Tech Project Competition AISE'22 organized by the Department of Electrical and Electronics Engineering, AISAT in association with IEDC-AISAT and SEEM.
- ◆ Xavier C J, Aashmi Brijith George and Alma Tresa Paul are the winners of All Kerala B.Tech Project Competition 'Abhinav Vichaar 2022' organized by the Department of Electronics and Communication Engineering, AISAT in association with IEDC-AISAT and IEEE Students Branch AISAT.
- ◆ Alma Tresa Paul successfully completed the twelve week NPTEL online certification course on 'Industrial Automation and Control' conducted by Indian Institute of Technology, Kharagpur.
- ◆ Mohammed Mustafa R successfully completed the twelve week NPTEL online certification

course on 'An Introduction to Micro-economics' conducted by Indian Institute of Technology, Kanpur

- ◆ Alan Sebastian successfully completed the twelve week NPTEL online certification course on 'Industrial Automation and Control' conducted by Indian Institute of Technology, Kharagpur

Batch 8 students (2019-2023)

- ◆ Ashil George P G, N J Anjali, Jifin K Raphael and Sreenath M.R completed the social relevant project 'Ironing cart using solar energy' under the guidance of Dr. Linss T Alex
- ◆ Basim Jauhar Abdul Rasheed, Neeraj Hari, Anjali N J, Sanjana Valsaraj and Arjun Shaji of S7EEE served as the volunteers for 5th National Energy Congress 'ENCON 2022' organized by Energy Conservation Society from 12.12.2022 to 14.12.2022 held at A.P Kurian Memorial C.S.A hall Angamaly.
- ◆ Ashil George P G, Jifin K Raphael, Aldrisen George Mendez, Femy Stanley, Shaun George, Sreenath M R, Jesna Jaleel and Sradhamol K.S of S7EEE were served as the volunteers for KREEPA Green Power Expo-2022 from 10/11/2022 to 12/11/2022 at Bolgatty Palace, Kochi.
- ◆ Ashil George P G and Jifin K Raphael were served as the volunteers for 3 Day National Workshop 'Green Hydrogen Pathways to Sustainable Future' from 15.11.2022 to 17.11.2022 at Bolgatty Event Centre, Ernakulam.
- ◆ Sreenath M R participated in the event basketball and cricket on 20/12/22 and won First prize and Third prize respectively.
- ◆ N J Anjali participated in the event kho kho on 20/12/22 and won third prize.
- ◆ Avinash Joseph participated in the event KSEBOA Power Quiz 2022 on 20/10/2022 won Second prize.
- ◆ Avinash Joseph participated in the event District level KSEBOA Power Quiz 2022 on 24/11/2022.
- ◆ Avinash Joseph participated in the event Cricket on 20/12/2022 at College level and won Third prize.
- ◆ Avinash Joseph participated in the event Football on 16/12/2022 and won Third prize.
- ◆ Aldrisen George Mendez participated in the

event KSEBOA Power Quiz 2022 on 20/10/2022 at won First prize.

- ◆ Shaun George participated in the event cricket on 20/12/22 and won Third prize.
- ◆ Shaun George participated in the event discus throw on 22/12/22 and won second prize.
- ◆ Shaun George participated in the event Football on 16/12/22 and won third prize.
- ◆ Ann Agnes VP participated in the event throw ball girls and won first prize.
- ◆ Akshara participated in the event throw ball girls and won first prize.
- ◆ Aldrisen George Mendez participated in the event District level KSEBOA Power quiz on 24/11/2022.

Batch 9 students (2020-2024)

- ◆ Traies Rose Thomas Kurian, Vijoy V Delson, Vinayak T.S, Ajmal Sudir and Aslam Farooq of S4EEE developed a working prototype of 'Rain Detector'.
- ◆ Joel Manuel, Jeethu Shabu, Joyal Jomon and Josemon Johnson of S4EEE developed a working prototype of 'Infrared Reflective Sensor'.
- ◆ Athish Jolly, Bevan Bernard and Anupama developed a working prototype of 'Automatic Fan'.
- ◆ Deepak Devassy, Delwin Decruz, Christo Kunjumon and Don Martin developed a working prototype 'Laser Security System'.
- ◆ Navya Victoria Yujin, Nivetha, Noyal Thomas and Parvathy M.R developed 'Automatic Street Light'.
- ◆ Ann Mary C.A and Alan Xavier developed a working prototype 'Fire Alarm'.
- ◆ Joyal Jomon and Navya Victoria Yujin secured third prize in a quiz conducted by nature club AISAT
- ◆ Annmary C A Secured first prize in Poster Making Competition conducted by APJ KTU NSS CELL - NRPF on behalf of world environmental day.
- ◆ Melvina Jose participated in Zealousta 2k22 Sports organized by Albertian Institute of Science and Technology on 22-12-2022 and won Second prize.
- ◆ Melvina Jose participated in Zealousta 2k22 Sports organized by Albertian Institute of Science and Technology on 22-12-2022 and won Third prize.

- ◆ Melvina Jose participated in World tourism day organized by Caption Social Foundation on 27-09-2022.
- ◆ Farzeen Ahammed K A participated Problem Solving in the Real World organized by NIT Calicut on 22-10-2022.
- ◆ Steny Raphy participated in the Black Belt Karate Girls, category of OKINAWAN BUDO CUP organized by Okinawa Shorinryu Karatedo Kyudokan Federation of India, and has secured First place on 29th January 2023.
- ◆ Steny Raphy participated in a NATURE CAMP (3days) organized by Kerala forest and wild-life department 4-10-2022 to 06-10-2022.
- ◆ Steny Raphy participated in State Level NSS Volunteer Secretaries Meetup (2days) organized by APJ AKTU NSS Cell on 04-10-2022 & 05-10-2022.

Batch 10 students (2021-2025)

- ◆ Ms Liya V S successfully completed a course on AI for everyone: Master the basics offered by IBM and edX.
- ◆ Mr. Febin Alexander has won second prize on VINCITORE quiz competition organized by IEEE student branch, MEA Engineering college.
- ◆ Vignesh Narayanan participated in one day workshop on 3D printing organized by Department of EEE, AISAT on 29/9/2022.
- ◆ Febin Alexander VG participated in National level IEEE Forum from 17/9/2022 to 19/9/2022.
- ◆ Allen Joseph and Abhilash Sunil participated in the 5th National Energy Congress 'ENCON 2022' organized by Energy Conservation Society on 14.12.2022 held at A.P Kurian Memorial C.S.A hall Angamaly.
- ◆ Allen Joseph volunteered AISAT sports day on 21/03/2022.
- ◆ Allen Joseph won second position in the cricket match conducted on sports day (AISAT) on 20/12/2022.

Batch 11 students (2022-2026)

- ◆ Abel Benni won 2nd position in Carroms competition conducted at AISAT on 20/12/2022. He also attended an online quiz on whatsapp security conducted by national cyber security on 20/11/2022
- ◆ Abhiram P attended an online quiz

on ISEA cyber hygiene practitioner conducted by MEITY, Govt of India on 12/11/2022. He won 1st position in Volleyball competition held at AISAT on 22/12/2022. He also attended an online quiz on Whatsapp security conducted by MEITY, Govt of India on 12/11/2022.

- ◆ Adith Siniraj attended an online quiz on ISEA cyber ethics conducted by MEITY, Govt of India on 9/11/2022. He also attended a 1 day workshop on self driving electric vehicles conducted by Techmagi, Kshitij, IIT Kharagpur on 28/01/2023.
- ◆ Aditya attended 2 online quizzes on ISEA cyber hygiene practitioner and ISEA cyber ethics conducted by MEITY, Govt of India on 12/11/2022. He won 1st position in basketball competition held at AISAT on 22/12/2022.
- ◆ Aiswarya S Ariyeri won 1st position in the badminton competition held at AISAT on 17/12/2022.
- ◆ A K Amarnath was a student volunteer for sports competition held at AISAT on 22/11/2022. He also attended an online quiz on ISEA cyber ethics conducted by MEITY, Govt of India on 12/11/2022. He attended a 15 day internship on Web3 and blockchain conducted by Zindot, Kochi on 31/12/2022. He attended a Tech talk, Techkshetra'22 at RSET Kochi on 17/12/2022.
- ◆ Akhila .P. Suresh attended an online quiz on ISEA cyber ethics conducted by MEITY, Govt of India on 12/11/2022. She also attended webinar on 'Grid connected converters for Renewable energy' conducted by Rajiv Gandhi Institute of Technology Kottayam on 14/12/2022. She also attended a 1 day workshop on self-driving electric vehicles conducted by Techmagi, Kshitij, IIT Kharagpur on 28/01/2023.
- ◆ Alan Philip attended an online quiz on ISEA Cyber ethics conducted by MEITY, Govt of India on 12/11/2022. He attended a 15 day internship on PCB designing conducted by Zindot, Kochi on 29/12/2022.
- ◆ Alen Joy attended a 15 day internship on PCB designing conducted by Zindot, Kochi on 29/12/2022.
- ◆ Alfin George P J attended an online quiz on Whatsapp security conducted by national Cyber security on 20/11/2022
- ◆ Pooja T O won 1st position in Badminton

competition at AISAT on 17/12/2022 as part of sports day.

3.3 Department association/ professional society activities

Department Association (LUMINA) Programs

Invited talk on 'Understanding and Managing Your Residential Energy Bills'

An invited talk on UNDERSTANDING AND MANAGING YOUR RESIDENTIAL ENERGY BILLS was organized by the Department of EEE in association with LUMINA on 10th October, 2022. The speaker

The poster is for an event titled "UNDERSTANDING AND MANAGING YOUR RESIDENTIAL ENERGY BILLS". It is organized by the "DEPARTMENT OF EEE IN ASSOCIATION WITH 'LUMINA'" at "AT DBMS LAB". The event is held on "MONDAY 10 OCTOBER" from "2:30-3:30 PM". The speaker is "RICHU ZACHARIAH", a "CERTIFIED ENERGY AUDITOR" and "ASST PROF AMAL JYOTHI COLLEGE OF ENGINEERING RESEARCH SCHOLAR- IIT BOMBAY". The poster includes the logo of the "ALBERTIAN INSTITUTE OF SCIENCE AND TECHNOLOGY" (AISAT) and mentions it is approved by AICTE and affiliated to VTU, VISA. A small photo of the speaker is also included.

was Mr. Richu Zachariah, Certified Energy Auditor, Assistant Professor, Amal Jyothi College of Engineering, Kanjirappally. The event was conducted at DBMS lab of AISAT from 2:30 pm to 4:30 pm. The participants were S7 EEE Students.

The speaker discussed about the energy bills and methods to reduce the energy bills at



Webinar on 'Role of Artificial Intelligence in Electrical Engineering'

A webinar on "Role of Artificial Intelligence in Electrical Engineering" was organized on behalf of Electrical department in association with Lumina under the guidance of Prof. Dalphy Rani John. The session was handled by Ms. Eugene Peter, Research scholar, APJ Abdul Kalam Technological University, Kerala. The attendees of the workshop were seventh semester students of EEE Department. The workshop was conducted on 18th October, 2022 at DBMS Lab of AISAT from 10.00am. There was active partici-



participation from the students. The Resource person discussed the basics of Artificial Intelligence, its need and application in the field of engineering. She also added that Electrical and computer engineers work at the forefront of technological innovation, contributing to the design, development, testing, and manufacturing processes for new generations of devices and equipment. The students commented that the session was very fruitful and effective for their academics. The session came to an end by 11 am.

Talk on 'Career Opportunities in Electrical System Design'

A talk on "Career Opportunities in Electrical System Design" by Mr. Arun Joy, Electrical System Designer, Trittech Design Academy, Kalamassery was conducted on behalf of Electrical and Electronics Engineering in association with LUMINA on 23-11-2022 from 02.30pm at B 406 for S7 students of EEE Department. Dr. Linss T. Alex, Head, Department of EEE introduced the resource person to the gathering. Mr. Arun Joy explained

in detail about the Career Opportunities in the field of Electrical System Design. He emphasized



that studying an add-on course like auto CAD or Revit MEP is the short cut to enroll the career in Electrical System Design. The session was very useful for the students to start their career in Electrical System Design. Mr. Shaun George from students side delivered the Vote of thanks. Session came to an end by 03.30 pm.

Talk on 'More about LED'

A talk on "More about LED" by Ms. Annie Bincy C.A, Assistant Professor, Department of Electrical and Electronics Engineering was conducted on behalf of Electrical and Electronics



Engineering in association with LUMINA on 24-11-2022 from 03.30 pm at B 301 for S1 students of EEE Department. The session covered topics like power, energy, energy consumption of electrical devices, components of LED bulb, its composition and simple test circuit for LED bulb assembly. The resource person also explained about the tariff calculation from electricity bill as per KSEB. The students commented that the session was informative for them. Session came to an end by 04.30 pm.

Talk on Industrial MEP Engineering V/S Electrical CAD

A talk on “Industrial MEP V/S Electrical CAD” by Mr.Akhil Babu,CAD Engineer, was conducted on behalf of Electrical and Electronics Engineering in association with LUMINA on 15-12-2022 from 11.00am at B 406 for S7 students



of EEE Department. The session was very useful for the students to start their career in automation. Mr.Ashil George P.G from students side gave a concluding remarks. Session came to an end by 12.30 pm.

Talk on ‘Automation and BMS’

A talk on “Automation and BMS” by Mr.Ajay Rosh,Operations Assistant Engineer,IPCS



was conducted on behalf of Electrical and Electronics Engineering in association with LUMINA on 16-12-2022 from 11.45am at B 406 for S7 students of EEE Department. The session was very useful for the students to start their career in automation. Ms Aleena Biju from student’s side gave a concluding remark. Session came to an end by 01.00 pm.

Talk on Career Guidance

A Talk on “Career Guidance:Overseas Education

Opportunities and Advantages after Electrical and Electronics Engineering” was organized on behalf of Albertian International Cell and Lu-



mina in association with AECC. The session was handled by Ms.Sabeena Sagar,Team Leader,AE-CC..The attendees of the workshop was eighth semester students of EEE Department. The workshop was conducted on 17th February,2023 at B406, AISAT at 03.30pm.

MoU signing with Energy Conservation Society (ECS)

AISAT, Kalamassery (referred as First Party) and Energy Conservation Society (ECS) with registered office at Trivandrum (referred as second Party) signed a Memorandum of understanding (MOU) on 17th November 2022 as a part of Academics- industry Interaction and for mutually beneficial promotional activities.

Inauguration of SEEM Student Chapter

Inauguration of SEEM Student Chapter followed by an expert talk was organised by Department of Electrical and Electronics Engineering on 25th November 2022. The inaugural



function started at 2:45pm with prayer. Ms. Thara Jose, Faculty in charge, SEEM Student Chapter, AISAT delivered the welcome speech. Later the Presidential address was given by Dr. S Jose, Principal, AISAT. After which all the dignitaries

present on the dais lighted the lamp thereby inaugurating the SEEM student chapter of AISAT. Mr. Ahammed Kabeer TA, Chief Consultant, Alenso Energy & Treasurer, SEEM Kerala Chapter, delivered the inaugural address.

Mr. Azeem K, Secretary, SEEM Kerala Chapter talked about the various opportunities that the Student chapter members consisting of total 105 students from Electrical and Electronics Engineering Department- 44 from first year, 33 from second year and 28 from third year- can make use of. Mr. Arun Cleetus, Student Secretary, SEEM Student Chapter, AISAT, delivered the vote of thanks which concluded the inauguration ceremony. This was followed by the technical talk at 3:30pm by Mr. G Krishnakumar, Chief Operating Officer & Former, National General Secretary, SEEM. He talked about the recent trends in Energy Management which concluded at 4:30pm.

Pledge on Energy Conservation Day

National Energy Conservation Day is celebrated every year on 14th December and to re-



mind the upcoming engineers of their duty to conserve energy, an Energy Conservation Pledge was conducted on 14th December 2022. This was organized by the Energy Conservation Society and Albertian Institute of Science and Technology in which all the faculty and students from AISAT participated. The above pledge was taken by all the students starting at 11am under guidance of the Senior advisor or the attending faculty in their respective class.

Seminar on Industrial Energy Auditing

A seminar on Industrial Energy Auditing was organised by Energy Conservation Society (ECS) and Albertian Institute of Science and Technology in association with Energy Management Centre, Kerala on 21st December 2022. Around 50 participants registered including students, fac-



ulty and industry experts. The program started at 9.30am with prayer. In commemoration of the National energy conservation day on 14th December an Energy conservation pledge was taken by everyone present.

Dr. K. Somon, President, ECS then delivered the welcome speech. Later the Presidential address was given by Dr. S Jose, Principal, AISAT. After which all the dignitaries present on the dais lighted the lamp thereby inaugurating the function. Smt. Jessy Peter, Standing Committee Member, Kalamassery, delivered the inaugural address. Prof. Paul Ansel V, Vice Principal, AISAT, delivered the vote of thanks which concluded the inauguration ceremony.

The first session was taken by Er. A Santhosh, Managing Director, Athul Energy Systems, Thrissur. Afterwards Er. KMP Ashok, Energy Expert, Athul Energy Systems, Thrissur took the second session after which everyone parted for lunch break at 1pm. The session resumed at 1:45pm with Er. TV Mohandas, HoD Mechanical MPTC College, Valanchery, as the speaker. The final speaker for the day was Er. AP Jose, Director, Kerala State Productivity Council (KSPC) Kalamassery. The session ended at 4pm which was followed by the valedictory function.

For the valedictory function Dr. Linss T Alex, HoD, Department of EEE, AISAT, delivered the welcome speech. Sri. Shamsudeen V.A, Chairman, ECS Ernakulam Chapter, gave the presidential address after which certificates were distributed to the participants by Prof. Paul Ansel V, Vice Principal, AISAT. Lastly Dr. Veena V, Vice Principal, AISAT delivered the vote of thanks and everyone parted at 4:30pm for the refreshments.

3.4 Department organized activities

State Level B.Tech Project Competition (AISE'22)

The registration for the project competition was started from 20th May 2022 to 25st

May 2022. Through online registrations, about 40 abstracts were received from different colleges. The abstracts were scrutinized by an evaluation committee on 30th May 2022. The committee members are Dr. Linss T Alex, HoD, Department of Electrical and Electronics Engineering, AISAT and Prof. Dr. Leena T Timothy, Assistant professor, Department of EEE, AISAT. From the scrutiny by the evaluation committee, a total of 8 projects were selected in the first phase and team leaders informed to submit an interim report of the project before 1st June 2022. All the teams submitted the interim report and these reports were evaluated by the evaluation committee. After the submission of interim report and evaluation process, 5 projects were shortlisted to final phase on 16 th June 2022.

The Grand Finale of the AISE'22 was conducted on 29th July 2022 at AISAT, Kalamassery. Ms. Shaija P J, Assistant Professor, Department of EEE, Model Engineering College, Thrikkakara, Dr. Jeswin Roy Dcouth, HoD, Department of CSE, AISAT, and Dr. Leena T Timothy, Assistant Professor, Department of EEE, AISAT were the judging panel for the project competition. From the shortlisted teams, three teams reported for the final round. All the teams presented their project work before the judging panel during their allocated time of presentation. After the presentation, an exhibition of the prototype was conducted. The judging panel evaluated each projects and declared the results. The winners of the project competition were awarded with certificates and cash prizes at the prize distribution ceremony. Rev. Fr. Denny Peringatt, Manager oof AISAT, Fr. Manoj Marotickkal, Assistant Manager of AISAT, Dr. S Jose, Principal, AISAT, Dr. Paul Ansel V, Dr. Veena V, Vice Principals of AISAT, Dr. Linss T Alex, HoD, Department of EEE were the special invitees of the ceremony. Mr. Deepu John, Assiatant Professor, Department of EEE and Co-ordinator of AISE delivered the vote of thanks. The program came to an end by 1:30 pm.

Faculty Lecture Series

◆ 'Non-linear analysis of MCI EEG' by Dr. Leena T. Timothy

The Department of Electrical and Electronics Engineering of Albertian Institute of Science and Technology, organized a Faculty Lecture Series on 2 July 2022, Saturday at 3:30 pm.

Topic for the session was "Non-linear analysis of MCI EEG". The resource person was Dr. Leena T Timothy, Assistant Professor (Selection Grade), Department of EEE, AISAT. The session gave an idea about the Electroencephalogram (EEG), the application of a control system in identifying the EEG of a MCI patient and a normal person. She elaborated the techniques used in the analysis and how to identify a person with MCI using the EEG patterns. The participants clarified their doubts with the resource person after the presentation. Dr. Linss T Alex, Head of the Department, EEE delivered the vote of thanks. The session ended by 4:30 pm.

Farewell meeting for Fr. Denny Mathew Peringattu, Former Manager of AISAT

On 11.11.22, a farewell meeting was organized for Fr. Denny Mathew Peringattu, Manager of the institution. The meeting was held at Einstein Hall from 2:30 pm to 4:30 pm. The program was coordinated by the EEE department staff. VIPs were then invited to the stage, and the program continued with a warm welcome from Prof. Paul Ansel V., Vice Principal. This was followed by the Presidential Address delivered by Prof. Dr. S Jose, Principal.

The Farewell Messages started with Rev. Fr. Manoj Francis Marottickal, Asst. Manager. This



was followed by the cake cutting ceremony, and the distribution of cake pieces to all. Prof. Jose V. Mathew, Director of P&T cell, then delivered his farewell message, and Prof. Neethu Rose from ASH Department presented a beautiful farewell song. Dr. K. A. Simon, Director of AMI, also shared his farewell message.

The presentation of mementos followed, with Fr. Manoj Francis Marottical and Principal presenting the AISAT memento. Prof. Veena V, Vice Principal, then presented the Staff memento titled "Ormakal - Enlightenment." Finally, Fr.

Manoj Francis Marottical and Prof Jayaseelan Gopinathan, Principal of AMI, presented the memento for AMI & AMS.

Expert talk on 'Importance of Industrial Safety'

Expert Talk on "Importance of Industrial Safety" organized by Electrical and Electronics Engineering Department is a course enrichment activity for the subject MCN401 Industrial Safety Engineering which is common for all the five departments.

The program was conducted on 16th November 2022 at Da Vinci auditorium. The resource



person was Anoop Johny, Assistant Manager, HSE, DP world Cochin. The talk started at 11:15am with final year students of Civil, Mechanical, EEE, ECE and CSE as audience. He mentioned the different job opportunities in the field of safety and gave the job profiles that could be achieved in this area. He mentioned that this field of work requires a lot of hard work but someone with passion can definitely survive. He ended the talk with another video showing why he chose to be in this field. Even though no one recognizes his work, he is satisfied that he is able to save lives. Finally queries were invited from the audience and those were answered by the expert. It came to an end at 12:45pm.

Power Quiz 2022

The Preliminary level of Power Quiz 2022 in association with Kerala State Electricity Board Officers Association(KSEBOA) was conducted at Einstein Hall, Albertian Institute of Science and Technology(AISAT) on 20th October 2022. There were more than 40 students from various departments attended the quiz competition. The quiz was coordinated by Dr.Linss T Alex from EEE Department and members of Kerala State Electricity Board Officers Association(KSEBOA). Among the 40 students Mr.Aldrisen George Men-

dez secured and Mr.Avinash Joseph from EEE department secured first and second place respectively and qualified for the District level quiz competition. The certificate and trophy was awarded by the Principal of AISAT, Dr.S Jose.



Interactive session by Dr. Sivaji Chakravorti, Department of Electrical Engineering, Jadavpur University followed by a Session on 'Soft Skills for Engineers'.

The Department of Electrical and Electronics Engineering in association with the Placement and Training Cell, AISAT organized a session on "Soft Skills for Engineers" on 24th November 2022. The speaker of the session was Dr. Sivaji Chakravorti, Professor, Department of Electrical Engineering, Jadavpur University, who



started the presentation.

The Vice Principal, Prof. Paul Ansel, Dr. Linss T Alex, HOD and other faculty members of the EEE Department had an opportunity to interact with the resource person, Dr. Sivaji Chakravorti before the session. The interactive session started at 2.30 pm at the Board room.

The interaction started with a self-introduction by the resource person followed by each faculty member. He told that The National Institutional Ranking Framework (NIRF) ranked Jadavpur University at 11th among engineering institutes in India in 2022, 12th overall, and 4th among universities. He mentioned

that industry-academia partnerships should be encouraged more than ever before in today's fast-changing corporate and education sectors. He discussed the recent trends in electrical engineering courses. He also pointed out the need for expertising soft skills in the engineering profession. There was also a discussion on Department Advisory Committee membership and he told that he will inform later about that. The session on "Soft Skills for Engineers" started at 3.30 pm. Students from all departments of AISAT participated in the session.

The Vice Principal, Prof. Paul Ansel presided over the session and gave a brief introduction about the resource person. The welcome speech was delivered by Ms. Annet Maria Cyriac (Student, S7 ECE). This was followed by an informative session by the speaker. The session was about his experiences and how he emerged as a successful engineer who is still passionate about his work. He discussed the importance of seven soft skills (Communication, Patience, Problem Solving, Adaptability, Teamwork, Time Management, and Interpersonal Skill). He told that soft skills are personal attributes that influence how well we can work or interact with others.

Students were encouraged and motivated as the session was very informative. A good number of questions came from the students and were very well answered by the speaker. At the end of the session, a memento was given by Prof. Jose V Mathew, Director (Placement and Training Cell). A vote of thanks was delivered by Ms. Aleena Biju (student, S7 EEE). The session came to an end by 4:30 pm.

Launching of funded project 'Solar Ironing Cart'.

In order to reduce the high energy consumption while ironing dresses, a solar-based ironing press using glow plug was developed by the S7EEE students Ashil George, Jifin K Raphael, Srinath MR and NJ Anjali, under the guidance of Dr. Linss T Alex. The solar iron in the vehicle runs on solar energy during the day time and stores the surplus in the battery. It takes about 3 hours to charge the battery. It runs on energy stored in the battery during night time. This bicycle cart can be used for other personal purposes as well, after disconnecting it from the cart. There are spaces provided for advertisements in the sides of the cart. This is also an additional source of income for the owner. The feature of this cart in-

cludes charging mobile phones and enjoy music. The project cost was around Rs 20,000 funded by



department of EEE and Innovation and Entrepreneurship Development Cell (IEDC). The students are willing to donate this solar powered iron vehicle to an economically backward iron worker. The solar ironing cart project work has started on June 2022 and completed on October 2022.

Industrial Visit to Muttom Solar Metro Yard (Kochi Metro)

The department of Electrical and Electronics Engineering, Albertian Institute of Science and Technology (AISAT) organized a one day industrial visit to the Kerala solar metro yard station in Muttom on 27/10/2022 for the students of seventh semester. It was really a great



opportunity to gain more knowledge about the power utility as well as generation, transmission and distribution of electrical power in collaboration with renewable energy.

All the students along with two faculty members assembled at the solar metro yard at 09:00a.m. Station in charge, Mr. Vibin Venugopal, Manager, AMP Solar Ventures, Pvt Ltd, received the students and gave a brief introduction of the yard and its working. The visit came to an end at 1.00p.m. It was an informative, interesting and a successful visit. Students of Electrical and Electronics Engineering, could learn about the power distribution and understood its application.

4. Department of Electronics and Communication Engineering

4.1 FDP, MOOC attended by faculty

SL. No.	Name of the Faculty	Title of FDP	Organized by
1	Dr. Neenu Joseph	FDP on Advanced Micro/nano sensor technologies	GEC Palakkad
		Development FDP on Recent trends in image and signal processing	Government Engineering College, Palakkad
		KTU auditors training	APJAKTU
		Accreditation and outcome-based Learning	NPTEL
		Digital Electronics	NPTEL
		Microwave Design and Simulation	MITS
		UHV1	AICTE
2	Ms. Sonu K V	Green Energy Technologies for Sustainable Development	SCMS school of Engineering
		Accreditation and outcome-based Learning	NPTEL
3	Ms. Anu Antony	Accreditation and outcome-based Learning	NPTEL
		Medical Image Analysis using Deep learning Technique	Sahrdhaya Engineering college
4	Mr. Tubin T X	Basics of Software Defined Radio	NPTEL
		5G - Advanced Antenna design and analysis using Ansys HFSS	Ansys
		Microwave Design and Simulation	MITS
5	Ms. Reshma Mary Jose	Development FDP on Recent trends in image and signal processing	Government Engineering College, Palakkad
		UHV1	AICTE
6	Mr. Vishnu Prasad	Development FDP on Recent trends in image and signal processing	Government Engineering College, Palakkad

7	Ms. Pearl Antonette Mendez	FDP on Advanced Micro/nano sensor technologies	GEC Palakkad
		Green Energy Technologies for Sustainable	SCMS school of Engineering
		Development FDP on Recent trends in image and signal processing	Government Engineering College, Palakkad
		UHV1	AICTE
		Resend Trends in Photonics and its Application	CIT
8	Dr. Saju A	KTU auditors training	APJAKTU
		UHV1	AICTE
9	Ms. Ambily Joseph	NBA accreditation and Teaching and Learning in Engineering (MOOC)	NPTEL (12 weeks)
		FDP on Recent trends in image and signal processing	Government Engineering College, Palakkad
		NPTEL LC open house	NPTEL
		soft skills training program for students	NPTEL local chapter SPOCs
		Ethics of Artificial -Intelligence in Education	Edsoc Society
		Resend Trends in Photonics and its Application	CIT
		UHV1	AICTE
10	Ms. Milna M J	NBA accreditation and Teaching and Learning in Engineering (MOOC)	NPTEL (12 weeks)
		FDP on Recent trends in image and signal processing	Government Engineering College, Palakkad
		Analog Communication	NPTEL
11	Mr. Vineesh V K	workshop on Designing and Modelling of IOT, AI and ML Systems	AICTE
12	Ms. Anila Sebastian	workshop on Designing and Modelling of IOT, AI and ML Systems	AICTE
13	Ms. Dimple Attookaran	workshop on Designing and Modelling of IOT, AI and ML Systems	AICTE
14	Ms. Neethu Kennedy	workshop on Designing and Modelling of IOT, AI and ML Systems	AICTE

4.2 Achievements by faculty/students

- ◆ Prof. Paul Ansel V Selected as the Vice Chair of IEEE Kochi Sub-section.
- ◆ Dr. Neenu Joseph was the session Chair of Second International Conference on Next

Generation Intelligent systems on 29.07.2022 conducted by RIT Kottayam.

- ◆ Dr. Neenu Joseph was reviewer of the paper titled “Low-cost system transmitting and receiving data by 433 MHz wirelessly for educational purpose” for the Journal of Engineer-

ing Research and Report.

- ◆ Prof. Reshma Mary Jose Received letter of appreciation from GTT foundation for the laurels brought in the last successful years in the field of Placement, Skills Development, and Employability
- ◆ Prof. Ambily Joseph Received Letter of Appreciation for the instrumental role in local SPOC from NPTEL.
- ◆ Prof. Ambily Joseph Received Letter of Appreciation for organizing Awareness E workshop on NPTEL courses.
- ◆ Boniface Noel, Suhana K Ubaid, Annet Maria Cyril, Athira Rajesh and Savanth P S Completed NPTEL MOOC course on CMOS Digital VLSI Design from IIT Roorkee.
- ◆ Boniface noel secured first prize in Project presentation IGNUM organized by IEEE RFID council of Kerala Section.
- ◆ George Richard of S6 ECE completed CODING FUNDAMENTALS by GRASSHOPPER a code with Google on 20.05.2022.
- ◆ A talk on “Basics of coding and C programming” was conducted by S4 ECE students as a part Thinker hub on 10.06.2022.
- ◆ Riya Roy, Rsfida Jafer, Mary Saneena, Hisna M S, Sreelakshmi C S, Salvin Saju and Harishankar T S of S2 ECE completed one week Internship at TechMagi.
- ◆ Aaron Xavier, Alen V Varghese and Maria Densal participated Hackthone organized by IEEE bangalore on 3.09.2022 – 04.09.2022.
- ◆ Prof. Paul Ansel V handled a session on Signals and Systems, DSP fundamentals and DSP algorithms using MATLAB in the 5 day STTP on fundamentals of Embedded Systems, Scientific computing and DSP A hands on approach at SJ CET Pala.
- ◆ Prof. Paul Ansel V were handled a session on Art of Learning for first year students on 20.10.2022.
- ◆ Prof. Paul Ansel V Served as the resource person as a part of Induction program to first year B.Tech and Integrated M.Sc Students on 25.10.2022. The topic was Learning Skill.
- ◆ Prof. Vishnu Prasad S. of ECE served as resource person in St.Peter’s College, Kolenchery on 14.12.22 organized by Department of chemistry and energy conservation cell in association with IQAC
- ◆ Prof. Paul Ansel V served as Judge for project competition held at Choice school on 02.12.2022.
- ◆ Prof. Anu Antony were handled a session on OBE for first year students on 17.10.2022.
- ◆ Dr. Saju A., Prof. Akshara Babu and Prof. Neethu Varghese handled sessions on UHV during SIP 2022 held on 17th to 20th of October 2022 for first year students.
- ◆ Prof. Anu Antony has completed NPTEL online certification course on “Accreditation and outcome-based Learning” with Elite with Gold score.
- ◆ Prof. Sonu K V has completed NPTEL online certification course on “Accreditation and outcome-based Learning” with Elite with Silver score.
- ◆ Dr. Neenu Joseph has completed NPTEL online certification course on “Accreditation and outcome-based Learning” with Elite score.
- ◆ Dr. Neenu Joseph has completed 12 weeks NPTEL online certification course on “Digital Electronics” with Elite score.
- ◆ Prof. Tubin T X NPTEL online certification course on “aics of Software Defined Radio” with Elite score.
- ◆ Mr. Inzamamul Hakk of S1 ECE has secured Gold medal in APJAKTU Inter Zone karate – 55 kg Kumite category
- ◆ Ms. Serene Roy of S7 ECE was selected for university basketball selection from D Zone of APJAKTU.
- ◆ S3 ECE students participated in a session on “Youthzest : Introduction to ethical hacking , cyber security and cloud computing” which was organized by CSE department on 22/09/2022.
- ◆ Maria Densal of S5 ECE had participated in a National level hackathon “IC Hack’22” organized by IEEE india council student coordination team ,hosted by BMS college of Engi-

neering on the 3rd and 4th September 2022.

- ◆ A talk on Engineering Mindset by Mr. Akhil B Xavier of S5 ECE was conducted on 22.09.2022 for S5 ECE students. This was organized by EACE students.
- ◆ A session on “Test your IQ” by Ms. Silsa Shaji of S5 ECE was conducted on 29.09.2022. This was organized by EACE.
- ◆ Mr. Boniface Noel, Mr. Savanth P S, Ms. Athira Rajesh, Ms. Annet Maria Cyriac of S6 ECE and Akhil B Xavier of S4 ECE won Third prize in NASA International Space App Challenge held at MAC Kothamangalam.
- ◆ A talk on basics of building PC by Abhijith A S3 ECE for S3 students was conducted on 14.10.2022.
- ◆ In association with EACE, Minnu K Shaji of S5 ECE took a session on “Gate and Career opportunities” on 17/11/22 for S1, S3 and S5 ECE students.
- ◆ 13 students (ECE-7, CSE-5 and CE-1) were successfully completed NPTEL MOOC course on “Automation in Production System and Management” as part of Minor in Robotics.
- ◆ Two students from S7 ECE has successfully completed NPTEL MOOC course on “Software Engineering” as part of Minor in Computer Science.
- ◆ Ashna Joseph of S5 ECE has successfully completed NPTEL MOOC course in “Automation in Production systems and management”

4.3 Faculty Extension Activities

- ◆ Dr. Neenu Joseph was the KTU External auditor at Muthoot Institute of Science and Technology on 16.06.2022 and at FISAT on 20.06.2022.
- ◆ Dr. Saju A was the KTU External auditor at KMEA Engineering College and Technology on 15.06.2022 and at Jyothi College of Engineering on 20.06.2022.
- ◆ Prof. Paul Ansel V and Dr. Neenu Joseph were selected as M.Tech Curriculum committee member in APJAKTU and attended the workshop on Finalization of M.Tech Curriculum

for the course micro and nanoelectronics on 20.06.2022.

- ◆ Prof. Ambily Joseph handled a session on “Creating Reflection spots using H5P” for the Short term course on Design and Development of online courses organized by UGC Human Resource Development center, University of Mumbai on 09.06.2022.
- ◆ Prof. Ambily Joseph handled a session on “NPTEL Awareness” for S2 and S4 students of Department of EEE at AISAT on 09.06.2022.
- ◆ Prof. Vishnu Prasad Handled a webinar on “How Big is your Carbon Footprint” organized by Department of Social Work, St. Albert’s College, on 11.06.2022.
- ◆ Prof. Paul Ansel V handled a session on “Professional Communication” in IEEE Kochi Sub session meet at RSET on 12.06.2022.
- ◆ Prof. Paul Ansel V was resource person for a session of career webinar series engineering stream conducted by Perumanoor education forum on 24.05.2020
- ◆ Prof Ambily Joseph Organized a session on ‘How to prepare for KTU PhD Entrance Examination on 16.05.2022. Prof Binju Varghese and Prof. Anu Antony handled the session. 18 participants from various departments attended the session.
- ◆ Dr. Neenu Joseph was the KTU External auditor at Muthoot Institute of Science and Technology on 15.11.2022 and at FISAT on 21.11.2022.
- ◆ Dr. Saju A was the KTU External auditor at KMEA Engineering College and Technology on 18.11.2022 and at Jyothi College of Engineering on 19.11.2022.

4.4 Innovative Practices

- ◆ The department of ECE in association with EACE had organized a hands on workshop in machine learning as a course enrichment activity for ECT 463 Machine Learning on 20.12.2022. The resource person was Ms. Sujitha Kurup, Trainer, ICT academy, Kerala and research scholar at NMIMS university, Mumbai.



4.5 Activities of Department

- ◆ The department of ECE in association with EACE organized a workshop on electronic product building on 13th and 14th of December 2022. The resource person was Mr. Antu Dominic, Technical consultant and professional trainer, Truetek world.

4.6 Department association/ professional society activities

- ◆ A workshop on Software Defined Radio was conducted on 23th September 2022 as part



of Course enrichment program of communication lab in semester 6. Mr. Jayasanker R V, CEO & Lead Architect, TRANSIOT was the resource person of the event.

- ◆ IEI Student Chapter, Advisor – Dr. Saju A. Established IEI student's chapter at the Department of ECE, AISAT on 05.09.2022

◆ Test your IQ

Aptitude is basically an innate, learned or acquired ability of an individual to perform certain tasks. Aptitude tests help to round out a student's profile which is useful in seeking academic and career guidance. Therefore, conducting this test is an important part of the Association activity. To empower the students with this essential indicator, an aptitude assessment was conducted by Ms. Silsa Shaji on 29th Sept 2022.

◆ Career in AI

The Dept. of ECE organized a seminar on Career in AI on 6th Oct 2022 for S3 ECE students.

Dr. Saju A, Associate Prof. Dept. of ECE was the resource person.

◆ Introduction to Embedded System

A seminar on "Introduction to Embedded System" was organized on 19 Jan 2023 for first year students (Batch 11). The resource person was Prof. Gregorious Jose C, Assistant Professor, Dept. of ECE.

◆ GATE and Career Opportunities

Department of Electronics and Communication Engineering in Association with EACE conducted a seminar session on GATE and Career opportunities in Electronics and Communication Engineering Filed. The Session was handled by Minnu K Shaji (S5 ECE) on 17-11-2022 at 3:45pm in Room no A-414. Students were able to achieve knowledge in the GATE Examination and help them to prepare. The Session was concluded at 4:30pm.

◆ Quiz Time

Department of Electronics and Communication Engineering in Association with EACE conducted QUIZ program on 23/02/2023 at 3:40 pm in Room A413. The QUIZ was handled by Anson Thomas (S4 ECE) and Sneha Shabu (S4 ECE). Quiz session was interactive and the questions was based on the latest technology in the field of Electronics and Communication Engineering.

◆ Activities of Professional Societies

IEI Student Chapter, Staff Advisor is Dr. Saju A. IEI Student chapter of Department of ECE was Inaugurated on 28.10.2022. The department of ECE in association with IEI student chapter of AISAT had conducted a seminar on introduction to digital system design on 21.12.2022. The resource person was Prof. Midhun Haridas T.P., DoE, CUSAT.

◆ IEEE XTREME

IEEE Student Branch Branch Counselor is Dr. Neenu Joseph. The event was conducted on 22nd October 2022 by IEEE SB AISAT. The event was hosted in a hybrid mode with 23 students participating in offline mode and 28 students in

online mode. The hackathon began at 9.00 AM on 22nd October 22 in the seminar hall of the college campus. The event was led by Hredya Vijay IEEEExtreme 16.0 ambassador and under the proctoring of Mr. Paul Ansel V IEEE SB AISAT Professional member.



fessional member.

◆ **Introduction to Python**

The event was conducted on 11th November 2022 by WIE AG of IEEE SB AISAT in association with Dept. of Electronics and Communication and EACE, started at 10.00 AM in the database lab of AISAT. The class was handled by the SB student member, Minnu K Shaji, Alvina Anil, Ananda Krishnan R, and Sanjaynath S.

◆ **Talk with RJ Neena**

After a long break, after the covid pandemic, IEEE WIE AG AISAT was back with the 4th session of AU VOX, a talk series where we bring



in women who have traveled through the road not taken. This was the first offline session of AU VOX and the speaker for the session was Neena Prabhavathy Menon, a Radio Jockey, Vlogger and Social Media Influencer. She spoke about her life and of the various challenges that came up and how she was able to overcome all those challenges.

◆ **PIE.PY**

PIE.PY was a coding challenge in python organized by IEEE WIE AG AISAT in association with the Department of Electronics and Communication Engineering, AISAT and EACE, on 27th November, 2022. This event was a huge success and has helped the participants to attain a deeper insight on various aspects of python. A certificate of participation was sent to all contestants



and the winner was awarded with an Amazon gift voucher. Feedback from the participants were very grateful.

MOU signed

MoU with GTT Technologies, Pune was signed on 20th May, 2022.

Department of Electronics and Communication was signed MoU with Baker and Grey Pvt. Ltd on 19.10.2022.

5. Department of Computer Science and Engineering

5.1 FDP attended by faculty

Sl. No	Name of the Faculty	Title of FDP	Organized by	Date(s)
1.	Prof. Divya Mohan	AI for Multimedia Processing and Security	NIT, Patna	18/02/23-22/02/23
2.	Prof. Sebin Jose	AI for Multimedia Processing and Security	NIT,Patna	18/02/23-22/02/23
3.	Prof. Dr. Jeswin Roy Dcouth	AI for Multimedia Processing and Security	NIT,Patna	18/02/23-22/02/23
4.	Prof. Dr. Suja C Nair	Outcome Based Education	JPM Arts & Science College, Idukki	16/02/23-22/02/23
5.	Prof. Gayathry.V	One week FDP on MLOP	Chandigarh University	02/02/23-06/02/23
6.	Prof. Saranya Shaji	One week FDP on MLOP	Chandigarh University	02/02/23-06/02/23
7.	Prof. Dr. Jeswin Roy Dcouth	Cloud Computing	Microsoft, SAP and AICTE ATAL	30/1/23-03/2/23
8.	Prof. Sebin Jose	Cloud Computing	Microsoft, SAP and AICTE ATAL	30/1/23-03/2/23
9.	Prof. Divya Mohan	Cloud Computing	Microsoft, SAP and AICTE ATAL	30/1/23-03/2/23
10.	Prof. Chinnu Edwin A	Cloud Computing	Microsoft, SAP and AICTE ATAL	30/1/23-03/2/23
11.	Prof. Gayathry.V	Data Science using Python	Mangalam College of Engineering, Kottayam	24/1/23-26/1/23
12.	Prof. Saranya Shaji	Data Science using Python	Mangalam College of Engineering, Kottayam	24/1/23-26/1/23
13.	Prof. Neethu Krishna	Nano Sensors and Devices	Usharama College of Engineering & Technology, Andhra Pradesh	22/09/22-26/09/22
14.	Prof. Riya Rajan	Training Programme for Young Teachers	APIAKTU	19/09/22-24/09/22
15.	Prof. Dr. Jeswin Roy Dcouth	Processing and Security of Digital Images	NIT,Patna	05/12/22-9/12/22

5.2 Faculty/ Student publications

Student publications

- ◆ Paper titled “Computer Assisted Training System for Yoga and Pilates using computer vision methods” by authors Steve Boby George, Edwin Daji, Sanjay Jaimy was published on Journal of Tianjin University (Scopus indexed) on 10th June 2022.
- ◆ Paper titled “SMART Assistance M.C.I Device” was published in International Journal of Scientific Research in Engineering and Management Volume 6 Issue 7 July 2022 by Steve Luiz, Sreesha Prabhu and Mariyam Ansar Koloth of S8 CSE.
- ◆ Paper titled “Highly secure CCTV system USING COMPUTER VISION” was published in International Journal of Scientific Research in Engineering and Management Volume 6 Issue 7 by Aswathy Jai, Nasrin Jabar and Nayanthara C.J
- ◆ Paper titled “Helmet and license plate detection using machine learning” was published in International Journal of Scientific Research in Engineering and Management Volume 6 Issue 7 by Angelin Joseph, Angel Maria and Cicy Thomas

5.3 Student/Faculty Achievements

- ◆ Edwin Daji graduated B.Tech with Honors.
- ◆ Ancy Paiva of Batch 8 received laptop under CM’s laptop scheme.
- ◆ Fathima Siddique of Batch 8 received laptop under CM’s laptop scheme.
- ◆ Hari Manoj of Batch 8 won the first prize in logo design competition organized by ENIAC
- ◆ Ritesh Chetri of Batch 9 CSE developed the QR Code design for AISAT Nature Club.
- ◆ Chikku Elizabeth scored CGPA of 10 in S2 B.Tech Examinations.
- ◆ Athul Ratheesh CSE Batch 10 successfully completed NPTEL Course on “Programming in C”.
- ◆ Jasmin Maria Binoy CSE Batch 10 had attend-

ed International conference on blockchain.

- ◆ Fathimatu Swafa, Hiba K Nisthar, and Hiba Fathima of S5 CSE won the third prize of Rs 7500 in the Women’s Hackathon conducted by Mind Empowered Charitable Trust at Kerala Startup Mission, Kalamassery on 24.02.2023.
- ◆ Dr. Jeswin Roy Dcouth, attended conference on “Transformation Tour - Accelerating IT Transformation for New India” at Marriott, Kochi organized by Dell Technologies and Indian Express Group.
- ◆ Mr. Antony Varun Francis (Batch 8) won the first prize in state yogasana championship 2022-23 organized by Kerala Yoga association on 04/12/22.
- ◆ Mr. Ritesh Chhteri (Batch 9) won the first prize in PIE.PY coding contest conducted by IEEE SB AISAT on 04/12/22.
- ◆ Dr. Jeswin Roy Dcouth reviewed the paper titled “Intelligent Override Adaptive Traffic Signal Controller” for IEEE sponsored conference IPRECON ’22 on 05/11/22.
- ◆ Dr. Jeswin Roy Dcouth, reviewed paper titled “Drone Detection using Ultrasonic Sensors for Passive Forward Scattering Radar System” in 4th International Conference on Emerging Electrical Energy, Electronics and Computing (ICE4CT 2022).
- ◆ Mr. Daison C A (Batch 8) successfully completed NPTEL Online Certification in “Digital Circuits”.
- ◆ Department of Computer Science and Engineering launched the beta version of payment slip generator on 09/12/2022.
- ◆ Dr. Jeswin Roy Dcouth delivered a session on Cyber Forensics on 20/10/2022 for the first year students during Induction Program
- ◆ Dr. Jeswin Roy Dcouth was one of the judges of AISE ’22 grand finale held on 5th August 2022.
- ◆ Ms. Divya Mohan participated in the annual meet of CSI Cochin chapter 11th August 2022
- ◆ Dr. Jeswin Roy Dcouth reviewed the paper ti-



tled “Automatic Detection And Categorization Of Skin Lesions For Early Diagnosis Of Skin Cancer Using Yolo-V3 - Dcnn Architecture” in Concurrent Engineering: Research and Applications Journal (Indexed in SSCI, DOAJ, ERIC, and SCOPUS) by SAGE publications.

- ◆ Ms. Divya Mohan and Mr. Sebin Jose was promoted to Associate Professor w.e.f 1st October 2022 .
- ◆ Dr. Suja C Nair published a journal paper on “Mining Frequent Paterns with generalized linear model” in Mutlimedia Tools and Applications.
- ◆ Dr. Jeswin Roy Dcouth participated in International Conclave on Skills, Engineering and Technology ICSET 2022 on 30th September 2022 by ICT Academy Kerala and Premier membership certificate for the institution was awarded.
- ◆ Mr. Varun Francis of batch 8 CSE won the District Yogasana Championship 2022.
- ◆ Dr. Jeswin Roy Dcouth successfully completed AWS training and certification on Amazon Virtual Private Cloud (AVPC) on 14th October 2022.
- ◆ Dr. Jeswin Roy Dcouth was the M.Tech project evaluator for S4, IT, Rajagiri School of Engineering on 22nd August 2022
- ◆ Dr. Jeswin Roy attended ICSET 2022 Workshop on Cyber Security and Ethical Hacking on 27th September 2022.
- ◆ Mr. Sebin Jose attended the Webinar on Swarm Intelligence based Optimization Algorithms held on 02, 2022 by the Indian Institute of Information Technology, Kottayam, Kerala.
- ◆ All faculty from the department attended Webinar on Innovative Practices in Teaching by Prof Mohd. Iqbal on 19th September 2022.
- ◆ Ms. Riya Rajan attended induction Training Program for young teachers from 19th September to 24th September.
- ◆ Ms. Gayathri V was the external examiner for OS lab in KMEA on 20th and 22nd Sepetem-

ber 2022.

- ◆ Ms.Neethu Krishna attended Mega Training Session and meeting for the Cup of Life event at IMA House, Kaloor on August 25th,2022
- ◆ Ms.Divya Mohan attended Technical webinar on Application of Machine Learning and Artificial Intelligence in Medicine by Dr. Parvathy S Pillai, Research Fellow, Mayo Clinic, Rochester, Minnesota, USA on 27th on August 2022
- ◆ Dr.Jeswin Roy has reviewed paper title Detection and Classification of Skin Lesions using Probability Map-based Region Growing with BA-KNN Classifier in Concurrent Engineering: Research and Applications
- ◆ Faculty lecture series by Ms. Riya Rajan based on KTU orientation workshop on 22th October 2022.
- ◆ Dr. Jeswin Roy Dcouth successfully completed Google Analytics certification on 17.01.2023.
- ◆ Prof. Lizbeth Roshin successfully completed Certified Block Chain Associate program by Kerala Block Chain Academy on 04-01-2023

5.4 Activities of department association/professional societies

- ◆ The Department association of Computer Science and Engineering - ENIAC organized a talk on “Career Guidance & Overseas Education Opportunities after Computer Science and Engineering” on 24th February 2023. The session was handled by Ms, Sabeena Sagar, Team Leader,aecc study abroad consultants.
- ◆ The Department association of Computer Science and Engineering - ENIAC organized a talk on the topic “Cloud Computing” on 23rd February 2023. The resource person for the session was Mr. Ameer Suhail, Networking Trainer, Networkz Systems, an experienced person in the field of embedded systems. The session was aimed to introduce the latest trends and career opportunities in the domain of cloud computing.
- ◆ The Department association of Computer Science and Engineering - ENIAC organized

a hands-on session on “Introduction to Google Colab” on 17th February 2023 at database lab. The session was handled by Ms. Ambily Joseph, Asst. Professor, Department of ECE, AISAT.

- ◆ Prof. Sebin Jose and student representatives attended Students Professional Summit on 11th February 2023.



- ◆ MoU signing between AISAT and VerDant IT SOLUTIONS LLP was held on 31st Aug 2022.



- ◆ MoU signing between AISAT and Mind Empowered.



- ◆ Department of Computer Science and Engineering organized Webinar on “Opportunities in AI” on 08-11-2022 by Resource Person

Ms. Blessy Hebezeba, Technical Consultant, Dept. of Health, Abudhabi, UAE. The spokesperson gave the students a wide range of insights on the opportunities present in the field of AI.

- ◆ ENIAC CSE Department association - conducted workshop on Full stack development by Edureka on 20/10/2022.

- ◆ The Department association of Computer Science and Engineering - ENIAC and CSI student chapter organized a talk on the topic “Idea to Start up” on 27th October 2022. The session was conducted for S1 and S3 computer science students at the Einstein Hall. The resource person for the session was Mr. Prince Manu Baby, Founder at Nehrahire. The main objective of the session was to make students aware of the pros and cons of start up and instill the idea of start ups in them.

- ◆ The Department association of Computer Science and Engineering - ENIAC organized a talk on the topic “Lensation” on 27th October 2022. The session was conducted for S5 computer science students at the Database Lab. The resource person for the session was Mr. Basil Philip, a student of S5 CSE.

- ◆ The Department association of Computer Science and Engineering - ENIAC organized a talk on the topic “Introduction to Snapchat lens studio” on 29th September 2022. The session was conducted for S5 computer science students at the Database Lab. The resource person for the session was Ms. Raina Henry, S5 CSE student.

- ◆ The Department association of Computer Science and Engineering - ENIAC and CSI student chapter organized a talk on the topic “New Trends and Technologies in Embedded Systems” on 6th October 2022. The session was conducted for S7 computer science students at the database lab. The resource person for the session was Mr. Lomin Joy, Project Engineer in Embedded System(IPTIF), IIT Palakkad, an experienced person in the field of embedded systems.

- ◆ MoU Signing between AISAT and TEKOSOL IT

Solutions was held on 29th September 2022.

- ◆ The Department association of Computer



Science and Engineering - ENIAC and ECE Department Association - EACE organized a talk on the topic "Introduction to Ethical Hacking, Cyber Security and Cloud Computing" on 22nd September 2022 as part of Engineer's Day. The session was conducted for S3 CSE and ECE students at the Einstein Hall. The resource person for the session was Ms. Sukanya Suku, Networkz Systems. The session was aimed to make students familiar with the various aspects of Ethical Hacking.

- ◆ The Department association of Computer Science and Engineering - ENIAC and CSI



student chapter organized a talk on the topic "Python Workstation" on 15th September 2022. The session was conducted for S7 computer science students at the database lab. The resource person for the session was Mr. Ebin Ittira, Python Developer, I-Net Infotech. The session was aimed to provide a hands-on experience for students in Python programming so that they get a chance to reinforce the programming concepts they know about Python language.

- ◆ The Department association of Computer Science and Engineering - ENIAC and CSI student chapter organized a talk on the topic "Introduction to Flutter" on 28th October

2022. The session was conducted for S3 computer science students at the database lab. The session was handled by experts from WeCodeLife IT solutions.

- ◆ The Department association of Computer Science and Engineering - ENIAC organized a hands-on workshop on "Cisco Networking Fundamentals" on 17th April 2023 at database lab. The session was handled by Ms. Maya Menon, Founder, Mind Empowered.

CELL/CLUB ACTIVITIES

1 National Service Scheme (NSS) programs conducted

1.1 Independence Day celebration

NSS Unit Cell of AISAT organized the 75th Independence Day celebrations from 13-08-2022 to 15-08-2022 as part of 'Azadi Ka Amrit Mahotsav'. Principal Dr. S Jose hoisted the Indian flag on 13th August under the 'Har Ghar Thiranga' campaign. The event was graced by the presence of Manager Rev. Fr. Denny Mathew Peringatt, Asst. Manager Rev. Fr. Manoj Francis Marottickal, Vice Principal Prof. Veena V, faculties and students of AISAT.

On 15th August, Principal Dr. S Jose inaugurat-



ed the day long Independence Day celebrations. Vice Principal Prof. Paul Ansel V shared the Independence Day message to the volunteers. Volunteers distributed paper pen, Indian flag and sweets to the officers in Kalamassery Police Station, Traffic Police Officers at various junctions, Autorickshaw drivers at HMT Auto stand and officials at CUSAT Metro Station.

1.2 Onam kit distribution

Volunteers of NSS AISAT Cell distributed 15 Onam kits to the cleaning and security staffs



of AISAT on 02-09-2022. The event was graced by the presence of Manager Rev. Fr. Denny Mathew Peringatt, Asst. Manager Rev. Fr. Manoj Francis Marottickal, Vice Principal Prof. Paul Ansel V, faculties and students of AISAT. The fund for the kit was arranged through 10 rupees challenge by the NSS volunteers.

1.3 Nature camp to Thattekkad bird sanctuary

NSS AISAT in association with Department of Forests and Wildlife, Government of Kerala organized a 3 day nature camp to

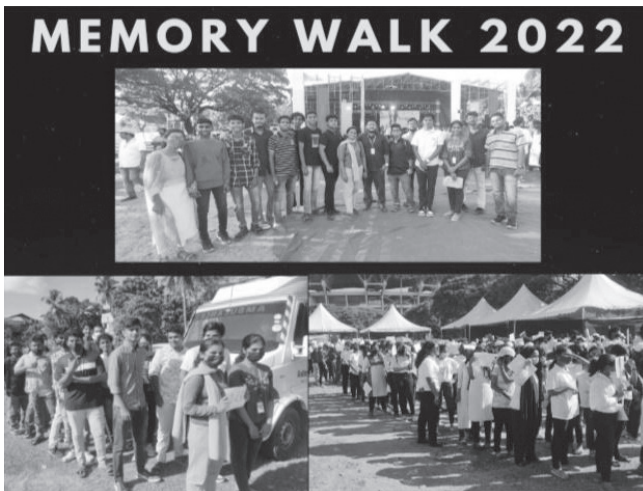


Thattekad Bird Sanctuary from 04-09-2022 to 06-09-2022. 33 NSS volunteers and 2 teachers accompanied the camp. The camp was led by Thattekkad Forest officers Mr. Sivadas, Mr. Iype and Mr. Suneesh.

The primary goal of the camp is to provide the students with an opportunity to immerse themselves into nature and get a better sense of understanding and appreciation about the resources and deep beauty of nature. The camp will provide the fundamentals for self-improvement, as well as teach sportsmanship, leadership, and teamwork.

1.4 Memory Walk 2022

AISAT NSS Unit 506 & 301 participated in the program “Memory Walk 2022” jointly organized by State Social Welfare Department, Er-



nakulam District Administration and Cochin University of Science and Technology Neuroscience Center in connection with World Alzheimer’s Day, 21st September. The short distance walk “Memory Walk” is organized to raise awareness about dementia and ensure support for people living with dementia. September 21 at 3 pm. The memory walk started from Jawaharlal Nehru Stadium, Kochi.

1.5 Cleaning program in connection with world tourism day

World Tourism Day 2022 is observed globally on September 27. This day is celebrated every year to focus on promoting tourism in different parts of the world by the United Nations World Tourism Organization. A comprehensive



cleaning campaign was carried out by AISAT NSS volunteers in the main tourism centers of Fort Kochi, Cherai Beach and Bhutathankett Ezhatumukham with active public participation. Heritage Society, various tourism voluntary organizations, students and Kudumbashree activists participated.

1.6 Gandhi Jayanthi - Clean India Program



On October 2nd, NSS student volunteers of ISAT started cleaning in Katmakkudi as part of Gandhi Jayanti. Ward member also participated along with the students. Students collect garbage and cut unwanted grass as part of cleaning the path. Kadamakudy is the adopted village of AISAT NSS units 506 and 301. The cleanup was a huge success.

1.7 Suchitwa mission

Waste management is an important part of our daily living, especially if you are living in a city. Suchitwa MISSION organized a cleaning pro-



gram. AISAT NSS volunteers joined in suchitwa MISSION held at Marine Drive as part of valla-mkali. NSS Volunteers cleaned the pathway of marine drive.

1.8 Orientation session on Rudhirasena

AISAT NSS unit 506 & 301 had organized an orientation session on Rudhirasena. Rudhirasena Er-



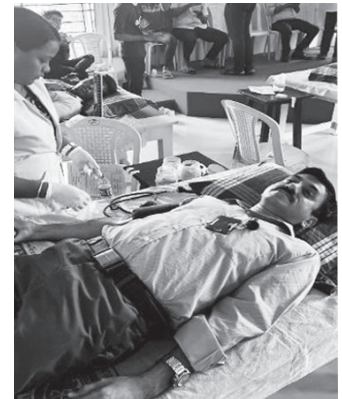
nakulam regional coordinator Prof. Ajasudheen V A, Jinshad Basheer, Immanuel Ishal Robert, Senior mentor Pranav has joined the event. Orientation session was handled by Ishal and Jinshad. Doubts about Rudhirasena were clarified. AISAT Vice Principal Prof Paul Ansel joined the session for felicitation. Ajasudheen Sir also joined with the session by giving valuable informations about Rudhirasena. The Rudhirasena event was a great success.

1.9 NSS blood donation camp

National Service Scheme (NSS) unit 506 & 301 of Albertian Institute of Science and Technolo-



gy, Kalamassery conducted a blood donation camp on 30th of November 2022 in association with Ernakulam General Hospital Blood bank, and HDFC Bank. The blood donation camp was inaugurated by Rev. Fr. Manoj Francis Marottickal. The camp was held till noon giving opportunity for the students, faculties 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. All the covid protocols were strictly followed till the end of the camp. Blood donors were honoured by presenting a certificate and a gift as the token for their great contribution. **79 units of blood** were collected and transferred safely to blood bank.

1.10 Orientation session on sustainable menstruation

AISAT NSS unit 506 and 301 organized an hour to make students more knowledgeable about menstruation on 25th November 2022. The topic was sustainable menstruation. The speaker for this event was Elizabeth Roy, SMC Program Associate. Sustainable menstruation refers to the use of alternative products during one's menstrual cycle for the benefit of the body and earth. Sustain-



able menstruation is being mindful of the negative effects disposable sanitary products have on our environment in efforts to reduce the plastic waste ending up in our oceans or landfills.

1.11 KANIV-“Vayar eriyunnavarde Mizhinirayaathirikan”

AISAT NSS Unit 506 & 301 organized a food packet distribution called Kaniv near Ernakulam



Medical College on 20th December 2022 with the concept of “To prevent hunger pangs”. About 180+ lunch packets were collected and distributed from students and faculty of AISAT.

1.12 Abhaya old age home visit

AISAT NSS Unit 506 & 301 has conducted an old age home Visit at Abaya Old age home



Kalamassery on 29th December 2022. Old age homes are predominantly for those senior citizens that cannot live with their children for some reason or are better off living there. We understand the value of our parents and those time make us to help the mentality of students to respect parents.

In addition, we spent some time there, clicked pictures with them, and distributed some food kits, had an amazing time by singing, narrating stories from real life, and the people looked blissful in our company. It was an insightful experience for me as I came back home with not only memories, but also some valuable essence that I will definitely hold tight throughout my life.

1.13 Republic day celebration



NSS Unit Cell of AISAT organized the 74th Republic Day celebrations on 26-01-2023 as part of ‘Azadi Ka Amrit Mahotsav’. Principal Dr. S Jose hoisted the Indian flag at the campus. Principal shared the Republic day messages to the volunteers. Sweets were distributed later as part of the celebrations.

1.14 NSS certificate distribution

Final year volunteers (2020-22) of AISAT



are honoured with NSS certificates from KTU for contributing their time, skill and experience to NSS. They gain work experience, broaden their own skills, develop new interests and become more involved with the community. The certificates were distributed by our dear principal Dr. S Jose.

1.15 Orientation session on NRPF



For enabling our students to be environmentally sensitive, NSS volunteers of AISAT attended the APJAKTU NSS cell's flagship orientation program of NRPF (National Resource Protection Force) on 18th February 2023 at our college. The session was handled by Mr. Anandhu Balachandran, APJAKTU NSS Cell's NRPF Ernakulam district student coordinator.

2 AISAT – INTERNCAN (iCAN)

2.1 Seminar on Ethical Hacking and Cyber Security

Seminar on Ethical Hacking and Cyber Security



ty on October 28th 2022 from 3.30pm to 04.30pm for the Computer Science and Engineering Stu-

dents by Mr. Dhanoop R Associate Member at National Cyber Safety Security Standards, Volunteer at National Cyber Defence Research Centre, Cyber Security Analyst at Techbyheart India Pvt Ltd, Cyber Security Expert at Appin Technology Lab,Kochi(Delhi IIT Based Cyber Security Institution).

GATE/CIVIL service/IES/UPSC guidance cell

2.2 Session on “Career Opportunities after B.Tech”

GATE/Civil Service/IES/UPSC Guidance Cell of AISAT in association with ACE Engineering Academy, Hyderabad organized a webinar on “Career Opportunities after B. Tech” on 6th,7th and 8th June at 07.00pm through Zoom platform. The webinar was conducted for the students who are interested to write the 2023 GATE examination.

The resource person for the session were Mr. Pradeep Raghu and Mr. M. Ramesh. They had more than five years of GATE coaching experience. Mr. Pradeep Raghu handled the session for ECE, EEE, ME and CE departments, while Mr. M. Ramesh handled for CSE students. Mr. Pasham Nagarjuna was also accompanied with them for the sessions.

The faculty coordinator of this program was Dr. Linss T Alex, Associate Professor, Department of EEE, AISAT. He was the coordinator of GATE/ Civil Service/IES/UPSC Guidance Cell of AISAT. There were 44 students were registered from Civil and Mechanical department,56 students from EEE and ECE department and 45 students from CSE department. Among the total of 145 students registered nearly 70 students were joined the webinar.

The session started with a welcome introductory session by Dr. Linss T Alex and was handed over to the resource persons. The main content of the webinar includes the higher studies and job opportunities of the GATE qualifiers. They also included the recruitment of public sector companies through GATE with examples and their salary packages. The session ended up with a vote of thanks delivered by Dr. Linss T Alex and Mr. Pasham Nagarjuna.

3 Counselling cell

3.1 Workshop on “A step into self through Theatre”

The Counselling cell works in association with the various departments of the college. Each department has one faculty in charge for the counselling cell. The staff advisors will identify the students and will be referred to counsellors with the help of the counselling cell in charge of their department. 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 will be kept confidential and is completely free of cost for the students.

Apart from this a workshop 'A step into self through Theatre ' was conducted in connection with mental health day on 13th October 2022 at Da Vinci Hall from 1.30pm - 4.30 pm. The facilitator of this workshop was Mr. Manu Jose. He is an actor who did his graduation and post-graduation in theatre acting. The session was attended by third semester students from various streams. It was a meaningful and interactive session in which students were given the awareness on the importance of body language and life skills.

4 Albertian International Studies Cell

4.1 Session on ‘Career Guidance-Opportunities and Advantages of studying Abroad after Engineering’

Interactive Session for the final year students on ‘Career Guidance-Opportunities and Advantages of studying Abroad after Engineering’ by Ms.Sajna Mofet, Branch Head-AECC Global on October 7th 2022 at 03.30 pm.

4.2 Seminar on ‘Overseas Education Opportunities and Advantages after Electrical and Electronics Engineering’

Seminar on ‘Overseas Education Opportunities and Advantages after Electrical and Electronics Engineering’ for the S8EEE students on 17th February 2023 at 03.00pm in association with EEE department association LUMINA.



4.3 Seminar on ‘Overseas Study Opportunities for Engineering Students’

Seminar on ‘Overseas Study Opportunities for Engineering Students’ on 24th February 2023 at



03.00pm by Ms.Harpal Kaur, Assistant Branch Manager, Edwise, Cochin.

4.4 Seminar on ‘Career Guidance & Overseas Education Opportunities’

Seminar on ‘Career Guidance & Overseas Education Opportunities’ for the S8CSE students on



24th February 2023 at 03.00pm in association with CSE department association ENIAC by Ms.Sabee-na Sagar, Team Leader-AECC.

5. Friday Clubs

5.1 Cultural club

Fresher’s day launch

Just like the cherry on top of the cake, the

college union, along with the support of Management conducted a launch on the eve of the fresher's day celebration. The program was held at the central atrium on 8th November 2022 at 3.25pm. The launch was conducted with loud mu-



sic and fresher's day poster distribution. Every student eagerly awaits right from their time of admission for the most remarkable event of the college "Fresher's Day". The 9th of November 2022 was a memorable day in the life of every fresher of batch 11 of AISAT. The fresher's day was filled with excitement, joy, music, enthusiasm, laughter, and happiness. It was the day when seniors and juniors united to celebrate being part of



AISAT. Students were welcomed with so much enthusiasm and warmth which was organized by the Management, College union, and cultural club. The freshers were invited to the central atrium and were led to the main campus as a procession accompanied by a percussion band. The students were seated under the marquee which was set with a vibrant stage in the front.

The events started with a welcome to freshers by giving a small token of love in the form of little toffees. The event kickstarted at 9.45 am. Followed by the introduction and procession, a heart-touching farewell was organized by the students and college union for Rev.Fr. Denny Peringatt with a cake-cutting ceremony as a token

of gratitude for his blessed presence throughout his service as Manager at AISAT for the past five and a half years.

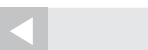
The programs were structured into various events such as colorful dances performed by seniors of all departments, and musical bands performed by the college band and mechanical engineering seniors. The activities included exciting tasks which were given to the freshers by seniors. Entertainment events including department-wise tasks and performances were showcased on a stunning platform that included LED screen support and a surround sound system. The program concluded at 4.50 pm with the final dance where the entire college participated in enjoying the pure bliss moments and a vote of thanks by the Arts secretary.

Santazen 2022

Christmas is for joy, for giving and sharing, for laughter, for coming together with family and friends. This year, the Christmas Day celebration of Albertian Institute of Science and Technology was conducted on 23rd December 2022. The Christmas celebration was named as Santazen. The College Union of AISAT, a group of Class representatives and Arts representatives together with guidance of Asst. Prof. Neethu Elsa John coordinated the entire program. Christmas is for joy, for giving and sharing, for laughter, for coming together with family and friends. This



year, the Christmas Day celebration of Albertian Institute of Science and Technology was conducted on 23rd December 2022. The Christmas celebration was named as Santazen. The College Union of AISAT, a group of Class representatives and Arts representatives together with guidance of Asst. Prof. Neethu Elsa John coordinated the entire program.



Christmas festival was celebrated with ardor and zeal in the college premises. Various theme-based competitions for students and faculties were held in the evening after the class wise celebrations which were conducted in var-



ious departments. The competitions included Christmas tree-making from recycled wastes, cake decoration and theme-based photo contests.

The day was specially organized keeping in mind its sanctity and relevance. The students presented an impressive array of programs. The celebration was then concluded by a music show, which was followed by a DJ party performed by Rhythm gang. They hummed to the tune of ever-green songs with us and the DJ performance was astonishing. Santazen 2022 was overloaded with tons of memories and happiness.

Talent Hunt

The cultural club was a part of the Friday fest event which was conducted with the theme of the campaign against Drugs. The Talent Hunt was organized on 2nd December 2022 from 3.30 pm. The following programs were conducted of which the cultural club was a part. Students participated in the event and displayed their abilities. Key participants were Athena Mathew of S7 CSE for Solo Dance, Loyd and team for an unplugged music show, Ashlin Joshy and Shanil Shashi of S5 ME for music with karaoke in association with the Cultural club. All students actively participated in the event and have shown their enthusiasm and dedication in their efforts.

5.2 Theatre club

On December 2, 2022, at 3.30 PM, theatre Club hosted a Mime show as a part of the Friday Fest. Under the direction and supervision

of the theatre club's in-charge faculty members, the performance was planned and carried out. The mime narrated the Sketch of a Students life, where the usage of Mobile phone & Computer changed him and effect of drug addiction due to bad choice of students. The event was a huge success and was highly appreciated by staff and students.



5.3 Nature club

Fashion show

As part of the Friday Fest, Nature Club organized a fashion show on 2nd December 2022, at 4 PM. The event was conducted at the Atrium, A block, AISAT college campus. The event concept focused on spreading awareness on the climatic change and environmental pollution that



has become one of the major threats concerning the nature. The show narrated the deterioration of vibrant nature to a dispirited one due to human action. It also announced the importance of adopting organic and sustainable products to reverse this deterioration. Mr. Kevin was the student coordinator of the event and Ms. Smiya M S led the costume designing team. The show was coordinated and conducted under the guidance and support of the in-charge faculty members of the Nature club. The event was a huge success and was highly appreciated by staff and students. Each pair of participants of the fashion show represented elements of nature, and natural and artificial products.

Photography contest

The Nature Club organized a photography contest for the students of AISAT of all branches and semesters. The contest was conducted across one week, from 24th to 30th November 2022. The theme of the contest was titled as 'In harmony with the nature'. The poster for the same was published by the club before the contest and was circulated among the student whatsapp groups of all classes by the class-in-charge faculty members.

The judges of the contest were Dr. Manoj Jose Kalathil from the Department of Mechanical Engineering and Prof. Vishnu Prasad from the Department of Electronics and Communication. The winner has been selected and announced by the judges. The contest was co-ordinated by the student coordinator Mr. Kevin Justine and was conducted under the guidance of in-charge faculty members of Nature Club. Winners were provided with E-certificates.

Reels competition

A reel making contest was organized and conducted by Nature Club, across one week, from 24th to 30th November 2022 for the students of AISAT of all branches and semesters. The theme of the contest was titled as 'IN HARMONY WITH THE NATURE'. The poster for the same was published by the club before the contest and was circulated among the student whatsapp groups of all classes by the class-in-charge faculty members.

The judges of the contest were Dr. Manoj Jose Kalathil from the Department of Mechanical Engineering and Prof. Vishnu Prasad from the Department of Electronics and Communication. The winner has been selected and announced by the judges. The contest was co-ordinated by the student coordinator Mr. Kevin Justine and was conducted with the assistance of in-charge faculty members of Nature Club. E-certificates were provided for the winners.

5.4 Photography club

Members have access to our college camera, which they can use to record brief moments of ardour, rivalry, and joy in order to create memories that the students will store forever.

Our photography club's major goal is to develop the experience of reliving and sharing the art of photography through a variety of programmes at various levels, which will increase students' and the public' awareness and understanding of the subject.

◆ Orientation

On December 12, 2022, a meeting was scheduled for all club members in Newton's Hall. Mr. Muhammed Nihal P A, the faculty in charge, explained to the members about the club and the typical club activities. The members were assigned to teams of photographers and editors during the orientation. Mr. Aby Appachankutty from S3 ME and Mr. Hari Manoj from S7 CSE are the event coordinators for the photographers and editors, respectively.

◆ Activities

The first input session took place on December 19, 2022. Mr. Vishnu Prasad S, a member of the faculty, addressed the students during this input session about fundamental knowledge about photography and technical aspects of a camera. He then held an interactive session with the group members about the fundamentals of photography, the various types of photography, and the fundamentals of DSLR. The pupils actively engaged and gained a general understanding of photography and the club. The club members also photographed activities held on college campus, such as Friday Fest, Sports Day, and Christmas Celebration. Students were taught photography and given assignments to develop their creativity.

5.6 Literary, Quiz & Debate Club

The Literary, Quiz & Debate Club of Albertian Institute of Science & Technology is a student-led organization that aims to promote a passion for reading, writing and exploring literary works among students. Our club meets as per the pre-planned schedule to discuss books, share writing and engage in creative activities.

Jam session

We started off with a jam session on 25/11/2022. The co-ordinator of the event, Chikku Elizabeth welcomed the members and out-

lined the rules of the jam session. Few topics were given on the spot to the participants and they were to speak for 60 seconds. The topics were “if I had a superpower” and “how to tackle a bad habit”.

Book review

We held a book review meeting where the members discussed the books chosen by our event co ordinators. Members had the opportunity to share their thoughts and opinions on the book, as well as gain insights and perspectives from their peers.

Our jam session came out to be a fun and engaging activity where the members learned from each other to showcase and improve the communication skills. Our book review meeting was creative session with members sharing their thoughts and interpretations of the book. The club had an active membership of 24 students during the reporting period and the majority of them participated in the activities organised by the club. The jam session and book review were also well attended, with an average of 12 students.

5.7 AISAT football club

As part of annual sports meet 2022-23 Football competition was conducted for boys and girls by Football Club on 12th, 15th, 16th and 17th December, 2022. Registration forms were distributed among the 5 houses and the registration was closed on 9th December, 2022. Lots for the matches were taken on 10th December in the presence of house captains and Sports Club Secretary. On 12th December, 2022 Match 1 of girl’s



tournament was played between Lannisters and

Starks. Lannisters won the match in penalty shootout as the match was drawn 0-0 at the end of full time. Match 1 of boy’s tournament was also played on the same day between Baratheons and Targaryens. Targaryens won the match 1-0. 2nd match of girl’s and boy’s tournament was played on 15th December, 2022 in which Baratheons and Velaryons won the girl’s and boy’s tournament respectively. 3rd Match of girl’s and boy’s tournament was played on 16th December, 2022 in which Baratheons and Targaryens won the girl’s and boy’s tournament respectively. Final was played on 17th December, 2022. Baratheons and Lannisters played the girls final in which Baratheons won the match 3-1. Targarens and Valaryons played the boy’s final in which Valaryons won the match.

5.8 Cricket club

The annual college cricket tournament for men between the five college houses was held from 21st November to 25th November 2023 in our college sports ground from 4.00 pm onward. The tournament was organized by the Friday cricket club of the college to promote sportsmanship and healthy competition among



the students. The tournament consisted of five houses, and each house had a team of 12 players. All matches were of knock-out nature and the fixture was based on random lots.

5.9 Chess club

As a part of annual sports ZEALOUS-TA’22, Chess competition was conducted by Chess club AISAT on 21,22,23 and 25th of November 2022 during break time 12.45-1.45 pm. In the round 1, conducted on 21-11-2022, 20 students were participated, 4 students from each house (Targaryens, Valaryons, Starks, Lannisters and Baratheons) and 10 students were shortlisted for the

next round. On 22-11-2022 second round of chess competition was conducted, among the 10 students (5 matches), 5 students were shortlisted



for the next round. On the third day 23-11-2022, 3 students were short listed from 3 matches and 2 were short listed for the final by 2 matches on the same day. The students were Geo George K (Targaryens) and Akhil Roni (Starks). On 25-11-2023 final round of chess competition was conducted and Akhil Roni of Starks became the winner,

5.10 Arts/Painting club

Christmas celebrations are never complete without a Christmas crib. Christmas Crib is a symbolic representation of the joy of the birth of Christ. It exhibits figures that represent



infant Jesus, his mother, Mary, and her husband, Joseph. Hence As part of Christmas celebration SANTAZEN'22, students of arts/ painting club took part in crib making. Crib making was based on concept of "Best out of Waste", utilizing the best from unwanted things. This concept of best out of waste also helps to use our imagination and creativity to make innovative things. A team of six students lead by Aeron C Jenson of S5 ME participated in Crib making. For crib making students used broken drawing board, used paint cans, used flex sheet, broken chair frame, straw, grass, stones.

5.11 Table Tennis club

The annual college Table Tennis doubles tournament for boys and girls between the four college houses was held from 21st November to 25th November from 4.00 pm onward. The tournament was organized by the Friday Table Tennis



club of the college to promote sportsmanship and healthy competition among the students. The tournament consisted of four houses, and each house had a team. A total of 4 matches were played during the tournament in each category. Final match of Table tennis boys doubles played between Gino George and Aswin Bala of Starks and Aflah and Athis Jolly of Targaryens on 25/11/2022. The winners of final match was Gino George and Aswin Bala of Starks.

Final match of Table tennis girls doubles played between Atheneena Mathew and Ann Mary C A of Targaryen and Serene Roy and Soumya Annie Thomas of Baratheons on 25/11/2022. The winners of final match was Atheneena Mathew and Ann Mary C A of Targaryen.

6. AISAT Toastmasters

Toastmasters club is a platform for students to showcase and improvise their English language skills. It was formed with 47 students and two faculty members Ms. Kanaka Xavier and Ms. Rose Paul as in-charges. Office bearers for this term were selected and proper documentation is car-

ried out.

President- Sahadiya Siddeq, S2 CSE

Secretary- Sharon Sha, S2 ME

Sergeant at Arms- Anandu P. N., S2 CSE

Weekly meetings are conducted with regular proceedings on every Friday 3.30pm. A WhatsApp group to update the roles and responsibilities were started by secretary.

7. 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 2021-22, we could support the great achievement of the Department of Civil

Engineering to get NBA accreditation for their UG Program in Civil Engineering. We could also support the departments of ECE and CSE towards submission of the NBA SAR during September 2022 with CAY as 2021-22. The Departments of ME and EEE are also preparing to apply for accreditation during next assessment year. Another important advancement in the quality milestones is that our institution participated in the NIRF ranking process.

Significant activities since Sep 2022 are listed below:

- ◆ Prof. Arun V joined the IQAC team as KTU coordinator on 23 Dec 2022, Prof. Sreelekshmi G.S. (DQAC Coordinator, Dept. of CE) also joined the team during 2022-23
- ◆ IQAC organized a faculty orientation program on “Outcome Based Education” for the newly joined faculty on 15th Sep 2022. Ms. Anu Antony, Mr. Thomas Felix, Ms. Sonu K Varghese and Ms. Kanaka Xavier handled the sessions.

- ◆ IQAC organized an interactive Webinar on “Innovative Teaching Practices” by Prof. Mohammed Iqbal on 19th Sep 2022
- ◆ NBA SAR of ECE and CSE submitted on 24th Sep 2022. Following date(s) are proposed for the visit of NBA expert team - 27 Jan 2023, 24 Feb 2023, 24 March 2023, 28 April 2023, 12 May 2023.
- ◆ Prof. Anu Antony, IQAC coordinator handled a session on “Introduction to OBE” for the first year students as the part of the student induction program - 2022 on 17th Oct 2022
- ◆ The departments of ME and EEE started SAR preparation with CAY as 2022-23 and their SAR review before the management was held during November - December 2022
- ◆ IQAC supported the KTU audit which was held on 18th November 2022. Dr. Mathew Joseph RSET) and Dr. Manish T.I (SCMS) were the auditors.

7. College Sports Council

7.1 Inter house sports events

The college sports council in collaboration with the sports related Friday clubs organised various interhouse events during the Friday fest. In addition to this track and field events were also conducted.

7.2 Carrom

10 teams registered for the event and round 1 draw took place at 10:45AM on 30th Nov, 2022. First round matches started at 1:00 PM on the same day. Match 1 & 2 of the final round was played on 1st Dec, 2022. Match 3 and the final was played on 2nd Dec, 2022. All the matches ex-



cept the final was played in the common room. Final match was played at the atrium in the main block. Winner of the event was House Starks. Match schedule and winners of all the rounds are attached with this report. A great amount of precision, intellect and vigor was seen in all of the games.

7.3 Basketball

Boys: Team registration for the event was completed on 29th Nov, 2022. Draw for the matches took place at 1:20 PM on 30th Nov, 2022. Match 1 was played between House Targaryens and House Starks on 30th Nov, 2022. Match 2 was postponed from 1st Dec to 2nd Dec as there was Inter Zone Basketball Men's Tournament on the same day. Match 2 played between House Ve-



laryons and House Baratheons. Match 3 & Final match were postponed to 10th Dec, 2022 as the first-year electronics classes were suspended due to red eye spread in the class. Details of the matches played and the copy of score sheet of all the matches are attached with this report.

7.4 Kho-Kho

Team registration for the event was completed on 29th Nov, 2022. Draw for the matches took place at 1:30 PM on 30th Nov, 2022. Match 1 was played between House Lannisters and House Starks on 30th Nov, 2022. Match 2 was played be-



tween & House Baratheons & House Targaryens

on 1st Nov, 2022 and Match 3 was played between House Velaryons & House Lannisters on 2nd Nov, 2022. Final was played between House Velaryons & House Targarens on 3rd Nov, 2022 at 4:00 PM in the College Ground. Winners of the tournament was House Velaryons.

7.5 Volleyball

Team registration for the event was completed on 29th Nov, 2022. Draw for the matches took place at 1:20 PM on 30th Nov, 2022. Match 1 was played between House Targaryens and



House Starks on 30th Nov, 2022. Match 2 was postponed from 1st Dec to 2nd Dec as there was Inter Zone Basketball Men's Tournament on the same day. Match 2 played between House Baratheons & House Velaryons. Match 3 & Final match were postponed to 10th Dec, 2022 as the first-year electronics classes were suspended due to red eye spread in the class. Details of the matches played and the copy of score sheet of all the matches are attached with this report.

7.6 AISAT CUP football tournament

AISAT CUP football tournament was held on 29th October 2022 at Albertian Sports Complex. A total of 12 teams participated in the tourna-



ment. The tournament was conducted as Knock-out matches. The 12 teams were divided into 2 groups. Group toppers were qualified into semi-final round directly according to the goal

difference. Another 2 teams from a group had a pre-qualifier round for the next semi-final.

The inauguration ceremony began at 9:00AM. The tournament was inaugurated by Fr. Manoj Francis Marottickal, Asst. Manager of AISAT, and Prof. Kuriakose. The welcome address was given by Fr. Manoj Francis Marottickal. It was followed by a dance performance by our fellow students. The kick off match was between KMEA Engineering College and MES Kunnukara.



KMEA Engineering college and Al-Mubarak were the group toppers from their respective groups and they were qualified directly to the semi-finals. AISAT, Kalamassery and CIPET, Pathalam were qualified for the quarter finals from Group-1. Arbee Caterers and Old boys AISAT were qualified for quarter finals from Group-2. Arbee Caterers and AISAT Kalamassery were qualified from the quarter finals to face Al Mubarak and KMEA Engineering college respectively. The final match was conducted between AISAT Kalamassery and Arbee Caterers. The match astonished the whole crowd with its beautiful moments throughout the game. At the end of full time, Arbee Caterers was declared champions of the tournament by scoring six goals. After the facilitation, individual awards were given which are as follows:

Best Player: Stephin Judy
Top Scorer: Riyas K.N
Best Goal keeper: Ashlet Sebastian
Best Defender: Kevin Francis

7.7 KTU inter college matches

Our College Sports team participated in various KTU Inter College matches.

Inzamamul Hakk of S1 ECE won Gold

Medal in Karate Competition. He was selected to represent APJAKTU in Inter University Karate Tournament 2022-23 held at Bharatarai Stadium, Bilaspur from 17th Jan to 22nd Jan, 2023.

Serene Roy of S7 ECE was shortlisted from D Zone of APJAKTU to participate in selection trails for her performance in basketball and Midhun baby of S4 EEE was shortlisted from D Zone of APJAKTU to participate in selection trails for his performance in cricket.

7.8 KTU D Zone Inter Collegiate Football Tournament

Our college team participated in KTU D zone inter collegiate football tournament held at Tajagiri College of Engineering & Technology, Kakkanad on 1st December, 2022. Our first match was against MACE, Kothamangalam. MACE won the match by 1 goal.

7.9 Annual Athletics Meet

AISAT hosted its 10th Annual Athletics Meet on 22nd December, 2023 for the academic year 2022-23. The Annual Athletic Meet embodies the talent and spirit of sportsmanship of the students of our college. The event kick started with the inauguration ceremony in which Mr. Manukrishnan Unnikrishnan was the chief guest. In his inaugural address he mentioned the importance of sports and wished all the very best to the participants. Fr. Manoj Francis Marottickal, Assistant Manager, AISAT and Dr. S Jose, Principal – AISAT graced the occasion with their presence. Inauguration function started with the march past by the students and was followed by torch run. Inauguration function was concluded by the energetic display of karate and yoga.

Inaugural ceremony started with a silent prayer. Mr. Manukrishnan Unnikrishnan, Kerala Ranji Trophy Player, Rev. Fr. Manoj Marottickal, Assistant Manager, AISAT and Principal Dr. S Jose graced the occasion with their presence. The athletes of 5 houses led by flag bearers rendered salute to the guest during their majestic March-past. Chief guest lit the torch and the College Sports Club Secretary along with the house captains of the 5 houses carried the torch around the ground. This was followed by Presidential Address by the Principal and Inaugural Address

by the chief guest. A token of gratitude was presented to the chief guest by Rev. Fr. Manoj Marrottikkal in the form of a memento. Certificate of appreciation was handed over to Ms. Serene Roy and Mr. Inzamammul Hukk for their achievements in basketball and karate respectively. This was followed by an energetic display of karate and yoga which warmed up everyone for the meet.

The students showcased their multifaceted talents throughout the athletics meet. The Athletic Meet was declared closed by Mr. Kuria-kose V Thundiyl, Sports Council – Convener. The whole gathering with immense pride sung the National Anthem.

7.10 Staff tournament

AISAT hosted cricket and football tournament for its staff on 8th and 9th December respectively. Staffs were divided into two teams for the matches. In a close fought match, team



Avengeurs won the match by 8 wickets. Mr. Vishnu Prasad was adjudged as the man of the match for his bowling performance.

FOOTBALL: An exciting match between the two teams was held in a befitting manner in the Albertian Sports Complex football turf on 9th December, 2022. Match started at 4:30 PM. Match was played in 2 halves of 15 minutes each. Mr. Muhammed Nihal P A scored the only goal in the match in the first half. The match was won by



team Gladiators at the end of full time. Player of the match award was given to Gladiators goal keeper Mr. Antony Rinosh K S.

8. AISAT Alumni Association

8.1 Annual alumni meet

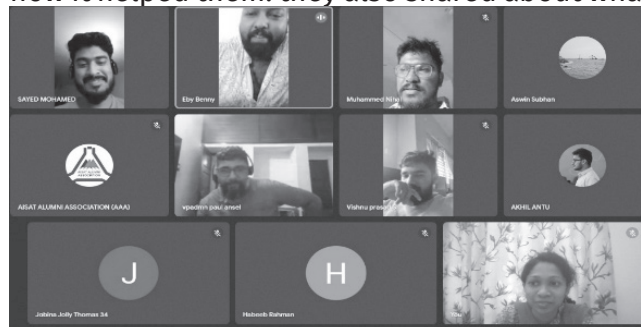
The Sixth annual alumni meet of AISAT Alumni Association was held on 11.02.2023, 03.00 p.m. It was conducted online on google meet platform. Around 40 alumni and 25 staff members were present for the program.

The meet started with a silent prayer fol-



lowed by the welcome address by Ms. Sheretta DCoutha. A one-minute silence was observed in remembrance of Mr. Boney Varghese, Alumni of AISAT who left us to eternity. This was followed by Principal's Address by Dr. S. Jose, Principal, AISAT. Principal in mentioned about the importance and relevance of alumni participation in alumni meet and also said the alumni to ensure a greater number of participants in the next alumni meet. Rev. Fr Manoj Francis Marottickal, during his Manager's Address wished them very best and also shared his wish and hope to meet them in person during the alumni meet in the coming year.

Open Forum was led by Prof. Paul Ansel V. The students shared their experience with AISAT and how it helped them. they also shared about what



they can contribute to the institution in terms of knowledge and resource sharing. It was followed by Felicitation by Dr. Veena V, Vice Principal. In her speech she expressed her gratitude towards the alumni for wholeheartedly supporting us for the NBA accreditation process of Civil Engineering department. Also, she requested the support of alumni for the NBA accreditation process of other departments.

Prof. Vishnuprasad presented ‘a walk through AISAT’. He took AAA members through a journey through AISAT to show them the changes and new facilities added to AISAT during these past years. Meeting came to an end with vote of thanks was given by Mr. Muhammed Nihal.

9. Parent Teacher Association (PTA)

9.1 PTA General Body

The PTA general body meeting was held on 21/10/2022 at Da Vinci Auditorium. It started at 11:40am where parents of first year students from all departments (Civil, Mechanical, CSE, EEE, ECE) and all teaching faculty were present. The rules



and regulations that need to be followed by the students were informed to the parents. This was to make them aware of the consequences that follow with their children breaking any of the rules.

9.2 PTA executive committee

The PTA executive committee meeting started with a silent prayer. Everyone were welcomed by Prof. Paul Ansel V, Vice Principal after which everyone introduced themselves. This was followed by Manager’s Address delivered by Fr. Denny Mathew Peringatt, Manager. From among the PTA representatives, the following members

were selected as office bearers:

- ◆ Mr. K S Rajeev (Parent of Niyog Rajeev, S1 Mech) as Vice President
- ◆ Ms. Anu Reji (Parent of Maria Rozanna Reji, S3 Mech) as Joint Secretary.

Prof. Dr. S Jose, Principal, gave a presentation on the current status and future plans of AISAT. AISAT’s vision, mission, motto and scholarship to meritorious students were also made clear.



Next Prof. Veena V, Vice Principal mentioned the significance of the Mentoring & Counseling initiatives by stating the fact that shortening of semester duration by KTU have been stressful to students. Many students seem to be unable to handle any sort of failure in their life which needs to change. For a class there are three faculty advisors, each advisor takes on 20 students to give them individual attention and for mentoring them. There is a trained counselor, Ms. Rose



Francis, available in AISAT campus on three days a week. This was followed by a general discussion where parents raised their doubts. The discussion came to an end and after that Prof. Tharajose, PTA Secretary gave the vote of thanks. A

special mention was made to the support of Dr. Bobby Johns, the previous Vice President of PTA who attended this meeting. The meeting came to an end at 4.30pm with distribution of snacks.

9.3 Parent Teacher Student Meeting (PTSM)

The Parent Teacher Student Meeting (PTSM) of all departments for batches 8, 9 and 10 was completed by 26th November 2022. Parents met their ward's advisors and obtained the student's progress report showing their first internal marks, assignment marks and attendance of each course. Later on they met all the subject teachers where student's performance was further discussed. The advisors as well as the subject teachers explained in detail about the student's performance and behavior in college. They were informed if their ward's performance till then has been satisfactory or if he/ she needs to improve.

10. Placement & Training Cell (P&T Cell)

The Placement & Training Cell is constituted by the following faculty members and students.

EXECUTIVE COMMITTEE MEMBERS

- ◆ Headed by Director.
- ◆ Five faculty members nominated by the management
- ◆ Two student representatives elected from every branch and year of which one will be a girl.

ACTIVITIES OF P&T CELL, AISAT

- ◆ P& T cell meeting of faculty coordinators are conducted on all Mondays to plan the upcoming placement and training activities.
- ◆ Students representatives meeting will be conducted minimum twice per semester.

TRAINING

- ◆ 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. Minimum two external training programs are also scheduled for two days each.
- ◆ The training will be continued till they re-

ceive employment offer letter with a salary pack of minimum Rs.3Laks etc.

- ◆ Unemployed students of Eighth semester are given Technical and Communication training on every Monday.
- ◆ We also started, Self-Introduction and resume preparation from S2 and Group Discussion from S4 from this year.





REPORT ON INDUSTRIAL VISIT

S8 CE

The department of Civil Engineering had organised an Industrial visit for 8th SEM Civil Engineering students to Goa from 11th march to 15th march. Totally 36 students along with 3 faculties had actively taken part in the visit which have helped them to gain the knowledge of upcoming technologies and also helped them to get interact with industry people which would help to build their career in future.

Aim of industrial visit:

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this is, it lets students know things practically through interaction, working methods and employment practices. It also provides students a good opportunity to gain full awareness about industrial practices. Technology development is a main factor, about which a student should have a good knowledge. Visiting different companies actually helps students to build

a good relationship with those companies. We know building relationships with companies always will always help to gain a good job in future.



Place 1: AGUADA FORT

Timings : 14th March 2023

About the visit : Fort Aguada is a well-preserved seventeenth-century Portuguese fort, along with a lighthouse, standing in Goa, India, on Sinquerim Beach, overlooking the Arabian Sea. It is an ASI protected Monument of National Importance in Goa. The fort was originally

constructed in 1612 to guard against the Dutch. It was a reference point for the vessels coming from Europe at that time. This old Portuguese fort stands on the beach south of Candolim, at the shore of the Mandovi River. It was initially tasked with defense of shipping and the nearby Bardez sub-district. A freshwater spring within the fort provided water supply to the ships that used to stop by. This is how the fort got its name: Aguada, meaning watery in the Portuguese language. Crews of passing ships would often visit to replenish their freshwater stores. The Aguada Fort Lighthouse erected in 1864 is the oldest of its kind in Asia. Built in 1612, it was once the grandstand of 79 cannons. It has the capacity of storing 2,376,000 gallons of water, one of the biggest freshwater storage of the time in the whole of Asia. This fort is divided in two segments: the upper part acted as fort and watering station, while the lower part served as a safe berth for Portuguese ships. Whereas the upper part has a moat, underground water storage chamber, gunpowder room, lighthouse, and bastions, it also has a secret escape passage to use during times of war and emergency.

Place 2 : Udupi Nirmithi Kendra, Manipal

Timings : 15th March 2023

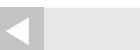
About the visit : Nirmithi Kendra is a successful Building Centre functioning under the national network of Building Centers Scheme promoted by Government of India through HUDCO. The vision of Nirmithi Kendra is to achieve conservation of vital natural resource by developing, promoting and executing alternate environment – friendly technologies and materials related to all aspects of construction including sanitation, water conservation and building materials. Students had gone through all the new technologies developed in the construction field which would rather help to build the low cost building. The Nirmithi Kendra office building have been built with special bricks called pottu kalu have been used which are not load bearing bricks, they are dry stone masonry which are cut at site according to preference by machine and conventional cement mortar isn't used as binding material instead cement, lime and jaggery have been

used. Paper joints have been provided with the stones kept in a conical pattern. Brick pavement have been provided instead of granite so that no reflected heat is formed during summer. The doors used are made from old wood. Mud plastering (lime+clay+jaggery) has been given instead of conventional plastering which helps reduce the heat inside the rooms. There are two types of lime used shell lime which has a rough texture and other one being powder lime which is much smoother and finer. The lime has slow settling time and also cost more but the initial cost can be saved in maintenance. The mud plastering produces smooth finishes and does not form cracks easily as seen in conventional plastering. Most of the buildings constructed by the Nirmithi Kendra promote construction using sustainable materials rather than conventional materials which helps the building interior to keep cool.

Place 3 : Heritage village , Udupi

Timings : 15th March, 2023

About the visit : The Hasta Shilpa Heritage Village stands for restoration, conservation, preservation, and promotion of India's fast vanishing architectural heritage and material culture within the larger framework of the arts and culture. We students were able to see 24 different buildings from different timelines and from different locations learn about the different methods used for construction and also the different materials used. The buildings from Rajasthan Gujarat Mangalore and other places were present in the heritage village. The Mangalore Christian House had architecture inspired from Roman Gothic architecture. The Kamal Mahal of Kukanoor had a unique ten layered wooden assembly which provided a large column free central space. Even though most houses lacked ventilation as seen in modern houses, the temperature inside the buildings was lower due to the construction using mud bricks and old construction methods. Every house incorporated wood to their framework because that was the main load bearing member present during those times. The stairs inside the houses were made of wood.



S8 CSE



The AISAT, Computer Science Engineering students visited CSIR - National Institute of Oceanography (NIO) located in Dona Paula, Goa on 13th March 2023. We were a group of 40 students who attended the industrial visit. Students reached the company by 11:00 AM and the visit consisted of other colleges as well, we were made to sit in a hall where a total of 3 Institution students were present, and after a short, the faculty in charge from NIO came, and introduced himself to us and started the visit. The visit started by asking us basic questions about Oceans and why we need to study them. Later after asking a couple of questions to make the session interactive we were presented with an interactive presentation in which everything about the organization was mentioned starting from its history to all its undertakings they have. This was followed by a video of 20 minutes long explaining the need and the use of studying Oceans and making us understand how India plays a vital role throughout the world in the field of studying Oceans.

This educational trip was very informative and gave the students a feel of the work being carried out in computer science and Oceanography. The purpose of industrial training is to provide exposure for students or practical engineering fields. Through this exposure, students will better understand engineering practice in general and have a sense of frequent and possible problems. The visit is part of the learning process and has fulfilled the academic requirement as per KTU to bridge the gap between classroom teaching and industry requirements and yet to corporate exposure and professional experience. The visit was concluded at 1:00 PM and before the session ended they made sure that all our doubts were heard and were cleared as well. The overall visit served the actual purpose of getting to know what and how the corporate world works and how a team is formed. They also talked about career opportunities and how we can excel in the corporate field by learning the most trending skills in our field.

S8 ECE

An industrial visit to CSIR - National Institute of Oceanography (Goa), and Inker Robotics (Thrissur), was organised by Aisat ECE S8 students on 14-03-23 and 15-03-23 respectively. Faculty coordinator was Prof. Tubin.TX . We started our journey from Aisat on 10-03-23 at 4 pm. We visited Chikkamagaluru, Dandeli, Goa, CSIR - National Institute of Oceanography, Inker Robotics

and returned Aisat on 15-03-23.

Department of Electronics and Communication Engineering had arranged a half day industrial visit to both CSIR - National Institute of Oceanography (Goa), and Inker Robotics (Thrissur), on 14th and 15th March 2023 respectively, 33 students of 4th year and a faculty had taken part.



On 14th March, we entered the CSIR - National Institute of Oceanography around 11 am. The visit to CSIR-NIO was very informative, as we got a complete idea about the marine biodiversity, marine ecology, marine archaeology and marine minerals. The institute has grown into a multi-disciplinary oceanographic research institute of international repute. The principal focus of research has been on observing and understanding special oceanographic characteristics of the Indian Ocean. The institute has a sanctioned strength of 200 scientists and 100 technical support staff. The major research areas include the four traditional branches of oceanography - biological, chemical, geological/geophysical, and physical - as well as ocean engineering, marine instrumentation and marine archaeology. In addition to basic research, the institute also carries out applied research sponsored by the industry. These studies include oceanographic data collection, environmental impact assessment, and modelling to predict environmental impact. With the largest collection of ocean scientists in the country, and equipped with suitable ocean research infrastructure, CSIR-NIO serves as an advanced centre of education in ocean sciences. They also operate two research vessels RV Sindhu Sankalp (56 m) and RV Sindhu Sadhana (80 m) that are equipped for multidisciplinary oceanographic observations. They publish over 150 research papers annually in reputed na-

tional and international scientific journals. The institute also provides consultancy on a number of issues including marine environmental protection and coastal zone regulations.

On the next day 15th March, we entered Inker Robotics around 7.30 pm. The head of Inker Robotics, gave us a idea about the movable robots, different types of 3-D printers, drones. He addressed about the sensors, relays and other components used in the robots. Inker Robotics is a group of innovative technocrats, R&D enthusiasts, strategic partners and associates with a shared vision to create a strong vibrant robotics and emerging technology ecosystem marks the framework of the tech startup. 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 are all at the core of our business and we passionately drive these. Their aim is to create an impact on the next generation by empowering them with education in emerging technologies, expects the funding to enable them to further enhance its training delivery platform to develop more engaging content in robotics and emerging technology education.





On the 2nd of April 2023, 34 students of S8 Mechanical Engineering of Albertian Institute of Science and Technology (AISAT) accompanied by two faculty members visited **INFINYT3D PVT. LTD.**, Goa as part of their industrial visit. INFINYT3D PVT. LTD. is a product development and rapid prototyping company located in Verna Industrial Estate, Verna, Goa.

We started our journey from Ernakulam Junction railway station on 1st of April 2023 at 01:25 PM. The night was spent in the train and we reached Madgaon railway station at 04:30 AM. The stay was arranged at Maizon's Lake View Resort, Arpora, Goa for having breakfast and to fresh-up. After having breakfast we proceeded to Verna, reaching our destination at around 11:00 AM. The students along with Asst. Prof. Avinesh Pyarilal, Asst. Prof. Riya Rajan, were allowed to enter into the company floor of INFINYT3D PVT. LTD by 11:15 AM. The processes taking place in the industry were explained to us by the operations manager.

They are specialized in designing and printing 3D models, prototypes, spares, tools, prosthetic, and much more. They also pro-

vide training and consultancy services to help you in converting your drawing or design into a three-dimensional model. INFINYT3D PVT. LTD offers products and services in the fields of Product Design, Reverse Engineering, Finite Element Analysis (FEA), Rapid Prototyping, 3-D printing etc.

3D printing or additive manufacturing is the construction of a three-dimensional object from a CAD model or a digital 3D model. It can be done in a variety of processes in which material is deposited, joined or solidified under computer control, with material being added together (such as plastics, liquids or powder grains being fused), typically layer by layer. Additive manufacturing or 3D printing has rapidly gained importance in the field of engineering due to its many benefits. Some of these benefits include enabling faster prototyping, reducing manufacturing costs, increasing product customization, and improving product quality.

The industrial visit which lasted over an hour, ended by 12:30 PM, and we proceeded to our next destination without wasting any time.



Industrial Visit to Rainbow Solar Power Solutions and Automations

They design, install and commission to the required needs of the customers.

It was really a great opportunity to gain more knowledge about the power utility as well as generation, transmission and distribution of electrical power in regional area in collaboration with renewable energy.

On receiving the letter of permission from Rainbow Electronics, Panaji goa, students of EEE AISAT with one faculty members (Mrs. Anitha Shaiju , associate professor department of EEE) went on an industrial visit on 08-03-2023. We all assembled at the south railway station Ernakulam at 10 p.m. and starts our journey. We reached the industry at 11 o'clock on 09-03-2023. Industry Members charge of information received us at the entrance and gave a brief introduction and working of industry with electric power supply and electronic components. The visit came to an end at 3.00p.m.

We left the premises at 3.30p.m. It was an informative, interesting and a successful visit. As students of ELECTRICAL student, we learned about the generator, power supply, capacitor banks and so on and understood the application of these. We understood that the renewable sources of energy is a trusted resource covering cutting edge technology and innovations for a cleaner future. We understood about the job opportunities in the field of renewable energy especially the solar power generation and technology. As this is a developing technology we believe that we can contribute more to this sector by research and development

The Rainbow groups operates as a conglomerate of four enterprises, Rainbow Engineering Services, Rainbow Solar Power Solutions and Automations, and Rainbow Entertainment. We visited Rainbow Solar Power Solutions And Automations. About this company it offers comprehensive solar power On- Grid as well as Off-Grid systems.

We express our thanks to the principal who permitted us to go on the visit, the faculty member who accompanied us and the officials who explained the various departments. Behalf the students I request you to arrange more industrial visit to students which can practically train the students.

FRESHERS' DAY





HOLI
CELEBRATIONS





INVESTITURE CEREMONY





SANTAZEN

CHRYSALIS



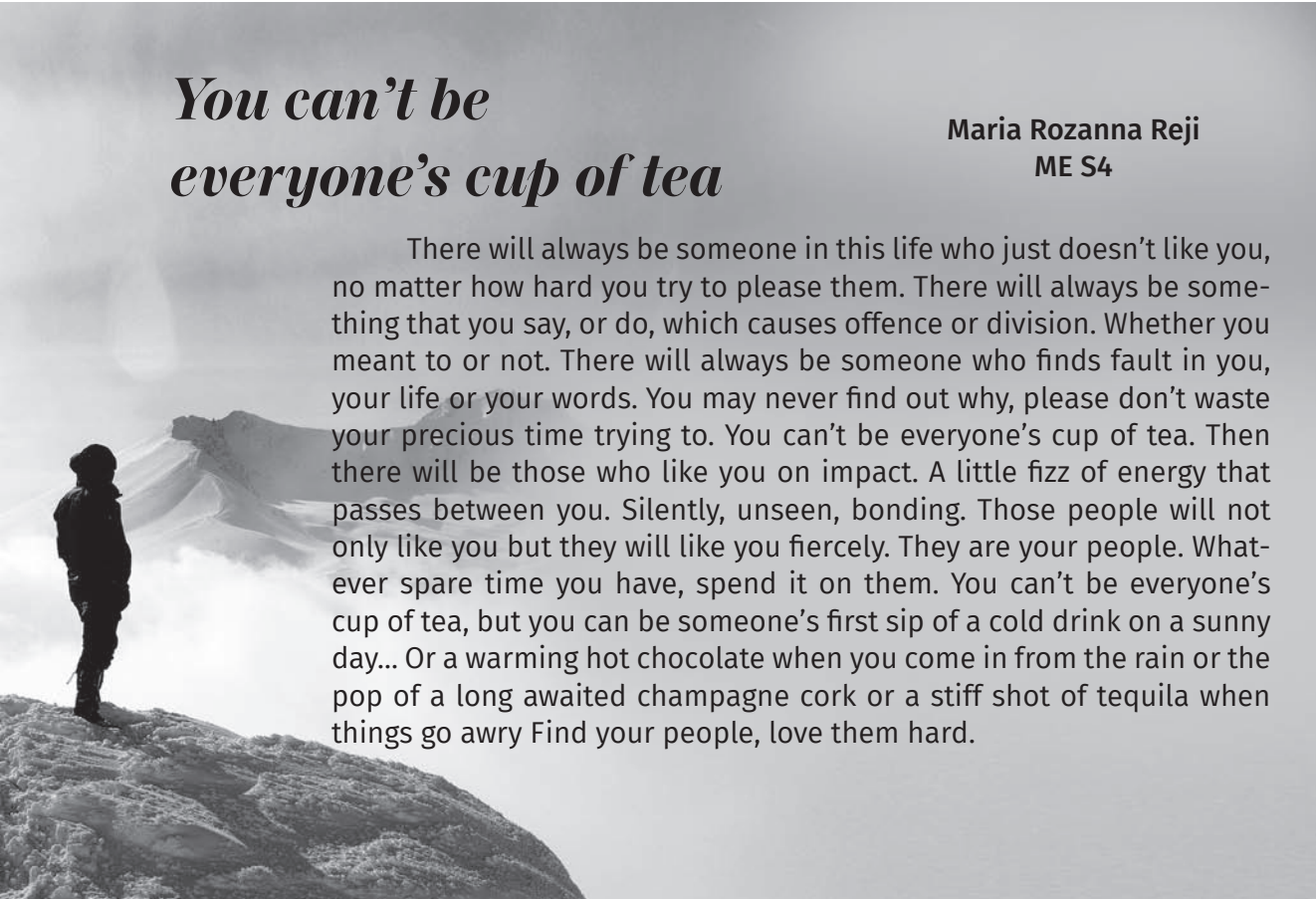
CHRYSLALIS





ZEALOUSTA





You can't be everyone's cup of tea

Maria Rozanna Reji
ME S4

There will always be someone in this life who just doesn't like you, no matter how hard you try to please them. There will always be something that you say, or do, which causes offence or division. Whether you meant to or not. There will always be someone who finds fault in you, your life or your words. You may never find out why, please don't waste your precious time trying to. You can't be everyone's cup of tea. Then there will be those who like you on impact. A little fizz of energy that passes between you. Silently, unseen, bonding. Those people will not only like you but they will like you fiercely. They are your people. Whatever spare time you have, spend it on them. You can't be everyone's cup of tea, but you can be someone's first sip of a cold drink on a sunny day... Or a warming hot chocolate when you come in from the rain or the pop of a long awaited champagne cork or a stiff shot of tequila when things go awry Find your people, love them hard.



Stars & Lavenders

Agna Antony
ECE S2

Standing in the midst of lavenders,
staring up at the sea of stars:
fatal but delightful sky,
a flawless beauty.

Conjecturing your presence between the stars,
a distant friendship is ours.

Hearing my cries,
you never ceased your tries.
shrill and weak cries to mirthful laughter,
never concerning your pain after.

Hauling me up to the light,
turning the time all so bright.

Leaving me at the misty lavender valley,
retreating to the stars bidding me bye.
waiting for you to materialize out of the blue,
holding me together anew.

Wiping my tears,
breaking my fears.

Her paintings

Anamika Sunil S K
S2 CSE

From the artist's point of view no matter how perfect her painting looks to others she will always find flaws in her works which she then believes is a flaw in herself.

But from a viewer's perspective no matter how many flaws the painting has it's still beautiful in their eyes. most of the flaws would be seen as an intricate beautiful step by them, beautiful pieces that come together to make a big masterpiece. no masterpiece is perfect, it's the flaws in em which makes one a masterpiece.

He wishes to be the viewer to her paintings, to tell her about the masterpiece that he views in her flaws. To reassure her that she doesn't need to be flawless to be perfect , it's her flaws that make her who she is . Her own perfect self



Marvelously

Aravind Das
S2 CSE

God's creation is just marvelous, and I admire it pretty much. The most beautiful among those are the newborns, their innocence, giggling, and smiles. Every little thing about them is like a work of art. They are a blessing. But they also have a curse. God chose them to be part of the human species. The curse of growing up, suffering, losing everything and being forced to be someone else to satisfy the needs of others, more specifically, the suppressors. The curse of being alive in this world is filled with inhumanity and curses. I can't justify why they have to live a depressing life. The world where creepy animals are wandering around in human skins wanting to take advantage of others and abuse them.





The Little Boy

Nasreen M Shajahan
S6 CE

“A tremendous flash of light cut across the sky... from east to west, from the city toward the hills. It seemed like a sheet of sun.” said, Reverend Tanimoto.

Tanimoto was the pastor of the Hiroshima Methodist Church, and “a small man, quick to talk, laugh, and cry.” He had slept poorly because of several air raid warnings the previous night. Hiroshima had not yet endured an American bombing raid, but its good fortune was not expected to last. For this, Tanimoto wasn’t the only sole victim, victim of the nuclear bomb attack at Hiroshima.

The nuclear bomb named; ‘LITTLE BOY’ was deployed over the Aioi Bridge at Hiroshima. At 2:45 a.m. on Monday August 6, 1945, three American B-29 bombers of the 509th Composite Group took off from an airfield on the Pacific Island of Tinian, 1,500 miles south of Japan. Colonel Paul Tibbets piloted the lead bomber, ‘Enola Gay,’ which carried the ‘Little Boy.’ At 8:15 A.M. Hiroshima time, Enola Gay landed over the Aioi Bridge, which Thomas Ferebee uses as the aiming point

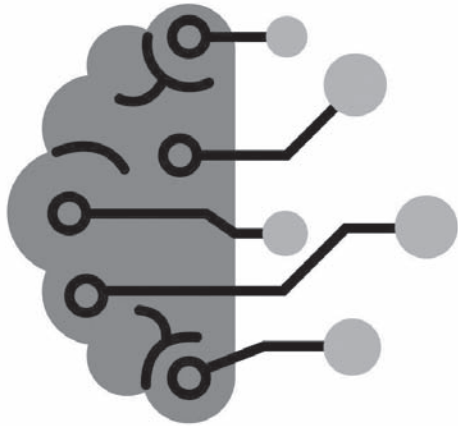
and began his bombing run. The bomb was released, it took 45 seconds for Little Boy to descend to an altitude of 1,900 feet and it exploded right above Shima Hospital. A powerful blast shook the space and ground, devouring the sky in its fieriness and all that left was smoke, dust cloud and fire. Out of 343,000 inhabitants, some 70,000 were killed instantly. A huge giant mushroom cloud enveloped the city. The explosive yield was the equivalent of 15,000 tons of TNT.

Radiation poisoning and Nuclear Shadows were all that left to consume the population in its grudge. The bomb vaporized half a mile away from ground zero. Every attack has a tragic story and a war behind it. Maybe it was the last run for WORLD WAR II. This marked the first use of atomic weapons in war. Number of factors contributed to the United States’ decision to drop atomic bombs on Japan. One reason was Japan’s un-



willingness to surrender unconditionally. Japan wanted to keep their emperor and conduct their own war trials and did not want to be occupied by U.S. forces. However, the United States wanted unconditional surrender, which thus meant the continuation of the war. This might be the biggest gamble in history but poet and author James Agee offered; ‘The race had been won, the weapon had been used by those on whom civilization could best hope to depend; but the demonstration of power against living creatures instead of dead matter created a bottomless wound in the living conscience of the race.’





The Rise of Neural Networks in Modern Technology

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

In recent years, there has been a significant increase in the development of new technologies, which has transformed many industries, including healthcare, education, and transportation. These technological advancements have brought about significant changes, and they continue to shape the world we live in.

Neural networks are a subset of machine learning that have seen a significant increase in usage over the past few years. Neural networks are modelled after the way the human brain processes information and learn from data, and have been used in a wide range of applications, from image recognition and natural language processing to self-driving cars and medical diagnosis.

The most important aspect of neural networks is their ability to learn from data. They use a set of algorithms to analyse large amounts of data, identify patterns, and make predictions based on that analysis. These algorithms can be used to solve a wide range of problems, from predicting the stock market to detecting fraud.

One of the most significant applications of neural networks is in the field of image recognition. With the help of neural networks, computers can now identify objects in an image with remarkable accuracy. This technology has been used in a variety of industries, from self-driving cars to medical imaging. In the medical field, doctors can use neural networks to diagnose conditions such as cancer and heart disease with greater accuracy than ever before.

Another area where neural networks have had a significant impact is in natural language processing. Neural networks are used to help computers understand human language, enabling machines to translate languages and generate text. This technology has been used in a variety of industries, from customer service to chatbots.

Self-driving cars are another example of how neural networks are changing the world. With the help of neural networks, cars can now recognize objects, such as pedestrians and other vehicles, and make decisions based on that information. This technology is still in its early stages, but it has the potential to revolutionize transportation as we know it.

Despite their numerous applications, neural networks are not without their limitations. One of the biggest challenges facing neural networks is their lack of transparency. Neural networks can be difficult to understand and debug, which makes them less accessible to non-experts. Additionally, neural networks can be susceptible to bias, which can lead to incorrect predictions and decisions.

Despite these challenges, neural networks are a powerful tool that is changing the way we interact with technology. As their applications continue to expand, it is likely that neural networks will become even more prevalent in our daily lives. From medical diagnosis to self-driving cars, the potential of neural networks is vast, and the future looks bright for this exciting technology.



Will you choose to be a woman in your next life?

Anisa Mumtaz C.H., S6 ECE

I always wonder how every woman would answer to this question. Will they pick to be a woman if they have the right to choose to be man or woman. Probably not, I would say. No matter how many times all those detrimental articles and talk shows start hymning about how great it is to be a mother, a wife and gleam of the family, the statement "A woman is born unfair" stays the same for me. Even when I'm writing this, in the back of my head I can hear my mother's scolding after reading this, "How presumptuous of you!!". The same reaction of my parents, when they were fed up from hearing my bare minimum protests for equality. I can't blame them for fearing that anymore feminism into my system will tear down my future. Because the word feminist has a negative meaning now. Modern feminism (3rd wave) might have caused all these complications. Because currently the idea of equality was corrupted by this modern feminism. I personally don't mind calling whatever ideology I have in my mind by any names, be it feminism, women empowerment or gender equality. What that matters is all of these aim to one single idea. As an individual who strongly hope for a society with equal opportunities for all humans, I am disappointed at how people still have these fictitious beliefs about feminism in this 21st century. The origin of this disappointment was from this ridiculous comment that I heard which pointed that

feminists want female domination. So first of all, feminism is anything but female domination. It is a movement to put an end to sexism, sexist exploitation, and oppression and to achieve full gender equality in law and in practice. Nowhere in this definition it indicates domination. But we would still hear arguments like 'why would you want reservations as a woman then?'. This is where the lines of gender equality were blurred. What was the purpose of reservations? Take an example in a public bus where in ancient times majority of the seats were occupied by men. Due to their inability to speak up, women were repressed of their right to sit and travel. So all these reservations and allowances were once started in the first place as a movement in support of uplifting the agitated part of the society. Females were given rights, males didn't lose any. There is a major portion of people who still argue about how women and men are not equal and should be treated differently. Well, they might be right in some ways, because they are different, physically and physiologically, mentally and psychologically, but these differences should not stand on their ways to success. No woman should be denied of her right to equal pay for equal job. No woman should be denied of starting her own business venture due to the absence of a male partner. No woman should be deprived of her right to make the decisions for her children. No woman should be subjected to make a choice of either family or career. No woman should be objectified. No woman should be told that the only biggest thing in her life is marriage. No woman should be denied of her opportunity for education in her dream university. All of these just because "she is a woman"! Every single parent is brimming of instructions to give their daughters about how they can achieve safety from hiding. Ever thought of trying to teach your sons what not to do? We humans, who have consciousness are choosing the ways of animals where one creature hunts and other one hides, because no matter what happens it's never the lion's fault.

"I have chosen to no longer be apologetic for my femaleness and my femininity. And I want to be respected in all of my femaleness because I deserve to be" - Chimamanda Ngozi Adichie, Writer

The moment I heard about your departure,
I became oblivious to the sound,
Blind to the world,
Mute to let out a strangled scream; of misery.

Echo of your words; rings in my ears,
Glimpses of your beauty; vibrant behind
my eyelids,
Forever would I adore you; in the very depths of
my heart.

Hole in my heart; tearing apart each time I think;
of you walking away, Into an
endless land; where the return is never heard.
With trembling lips; red-rimmed eyes;
tear-streaked face,
I stand by your grave; with a fresh bouquet
of lavender to flourish your heaven.

Did I go shattered and broken;
Crumpled and collapsed in your absence,
Into dust and explicit shards;
To ash the whole way to the core.

It feels like a non-existent being,
Air sucked out; craving to see your beautiful face,

Just to wipe out away my last memory;
of you lying in a coffin,
Fringed with flowers;
dressed in white like an angel,
Within my reach yet; farthest away from me.

My dear,
Do I have the least memory of you;
which leaves me in misery for eternity;
longing to hear your
melodious symphony.

All the tales I have heard;
longing to see the episodes of your life for real,
But do I have to mourn; pleading;
for the impossible to happen?

Even in the dark abyss of loss,
Needing nothing more,
Just to meet you one last time;
cherish the memory,
To say; I love you.

Lost in the Void

Agna Antony
ECE S2





Engineering Buddies

Anandhu P N
S2 CSE

I'm in the nursery of world engineering
Here I get,
Everything spoonfed
But most of it is non nutritious

Hate with old Pythagoras
And his bitch triangles
Hate with Archimedes
And drown him at the baths
If anyone had to do it
I'd make sure it was me

But engineering is fun
My fun is my flings
But they are not hot chicks.
They are my buddies

They does my heart good.
At the end of the day
Know that you will never,
Only be a whatsapp away

The blue bird

Eldho Binoy
S2 CSE

Walking through the woods,
caught a glimpse of blue,
A girl dancing in the clouds,
In a dress so bright and true,
My heart skips a beat anew.

Made my dreams on it,
well I turned to earn a glimpse,
no I could see nothing,
much more I wish it again,
a feeble glimpse of the blue.



Things that we live for

Dona Herald
S8 CE

Humans are considered to be one of the most intelligent species ever existed in this planet and we made lot of remarkable inventions to make our life better. We made revolutions in the field of industry by inventing machines and technologies which was capable enough to make miracles in improving human life.

The First Industrial Revolution used water and steam power to mechanize production. The Second used electric power to create mass production. The Third used electronics and information technology to automate production.

The Fourth Industrial Revolution represents a fundamental change in the way we live, work and relate to one another. It is a new chapter in human development, enabled by extraordinary technology advances commensurate with those of the first, second and third industrial revolutions.

As we know all these things keeping the world moving and we are also running as fast as we could There are certain things that gives us life, Something that Change our perspectives, things that makes us want to live and those things may not be included in the above stated developments because such things does not come from brain, It comes from heart ,for example consider poetry, movies, stories, love , beauty every essence of it , When people started to communicate using languages they started to discover new ways to express how they feel. Every poem ,every story, every book that was ever written touched it's author deep inside their heart because the are using the beauty of language to express how they feel Because feelings are the most wonderful thing that could ever happen to a human being while talking about this era feelings makes us different from every high level artificial intelligence that could be ever developed by human.

Human beings live to love , laugh,discover and feel. In this fast moving world we may not be able to remind ourselves that is not what we are created for and life shouldn't end in the race of getting our life together that every moment is a blessing every inch of us is poetry, every memory in our brain is a photograph of the feelings love is the best thing about a human being so let us remind us not to drawn us in this race and try to find beauty in every way possible





The eclipse

Athulya U. R.
S2 CE

The moon was falling in love with sun always from afar , never meeting , never touching. Centuries and space across her love for the sun always brightens her in darkness and she lights up her world at night .

One day she confessed her feeling to the sun and sun said , “ I am the sun and you are the moon . we both shine brightest , but not for each other , no matter how hard we try , we cant. For the sun and the moon are not meant to collide “. This made moon sad but however this is the truth.

After days going by the moon keeps waiting for him . no matter what , she kept waiting..... but she doesn't know that the sun loved her always but knowing the truth his love for her always there hiding , Hiding in despair!! At the end the sun couldn't ignore his love to the moon that he died every night to let her breathe and in

turn she reflects his love.

And then they wished to meet each other Yes! , the day came , they met!!

The moon said, “Once in a while , the heaven would pity us and give us a chance to meet face to face and the solar eclipse would happen. I would bask in your warmth and all the people would watch in awe but it never lasted for long , it end soon as it begins. Once in while the heaven would also remind us that our love is never meant to be, and a lunar eclipse would happen. on those days , when i wouldnt even see your face and your warmth couldn't even reach me, all I can do is to shed tears made of blood and the people would wonder why the moon is so red then, when they never know of our story of a love.



Our Soul

Camalin Tressa Rodrigues
S8 ECE

As You drew me into light,
Lacing your hands with mine.
Calms the violent storm,
As night hugs the moon.
You gave me a reason to try.

Holding me from drowning deep.
Love i have for you is undying
It frightens me, as i love you more,
More than stars in the sky.
You gave me something to hold-on.

And oh, when you are away,
How my soul yearns for you,
Just to see your face.
Fluttering heart, calm yet wild,
You gave me reasons to believe in forever.

Our soul fell in love,
A sacred bond it is !
Enduring and withstanding the test of time,
Together in each other's arms,
Is where we belong.



As high as the mountains are, one's mind keeps going beyond the universe or at least directed towards a greater future.

Success is a point in life that we all strive to achieve. There are two kinds of people that try to achieve this greatness. One tries everything to attain success that includes some wrong doings which is an easy way out but the Other one tries the right way which is not much hard to struggle for once you're in the right mind-set(determination). And there's this one special kind of people, they always succeed due to their fight in failure perhaps that's a better path but then you'll need more than one objective to motivate you throughout and till the end.

It's sure that you'll experience failure. Failure is one of the objectives that paves your way towards success. It's just like how you experience life, you can't tell what perfection is until you've experienced imperfection.

Those who fail once, they think about themselves as the failures in life/hopeless ones and then turn themselves to a negative form.

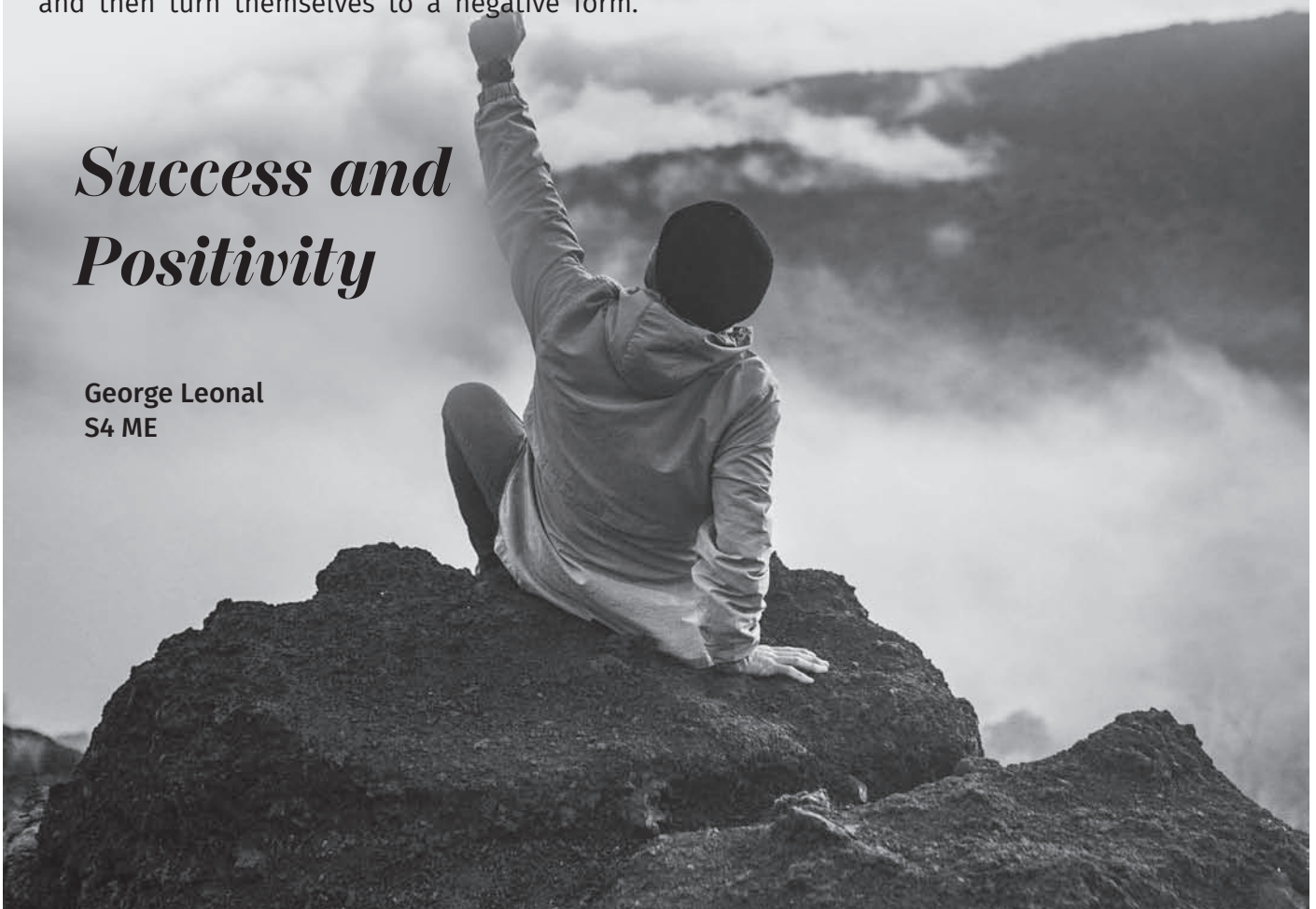
Though you think that you've disappointed yourself never think negatively, optimism seems to be degrading from people's lives. Always be positive about what you're doing and if you're not sure what it is that you're doing, just find something worth fighting for and if you're so good at it then try being the representation of what you did or what you had to do.

Negativity comes under failure but if you are being positive while undergoing failure you won't even notice that being positive the whole time has lead you across success and that's when people start to see your new born potential. And people start to see you as an example for what you stand and be the very definition of your great triumph over failure.

No one can tell the difference between success and positivity because the product of them combined is a satisfied life. And eventually your handwork pays off but do not look forward to it because that'll obstruct you from what you truly desire.

Success and Positivity

George Leonal
S4 ME





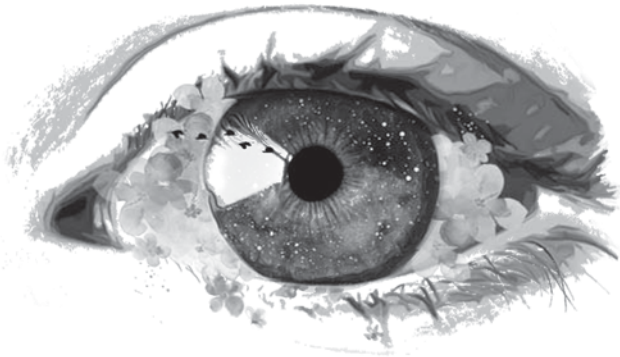
Ella

Liyan S V
S8 EEE

As though I were a child in Disneyland
I swore she was a princess
Donning armor of baggy shirts
a crown of red box dye
The knight of the passenger seat,
Behind soft smiles and red eyes
there's a queen in disguise
Beneath thin hands and makeup
A scarred child hides
Can you slay your beast
Or die at its feet?

Nonage Reminiscence

Sreelakshmi P B
S4 ECE



In a world of wonder and delight,
Where everything seemed bright and right,
Where games were played and
dreams took flight,
There lay my childhood, pure and bright.

It was a time of simple joys,
With moments we could all enjoy,

Of laughter, love, and life's new toys,
A time of playing like little girls and boys.

We'd seize the day and see what lay in store,
Creating memories forevermore,
With friends by our side, we'd laugh and soar,
With our childhoods, we'd embrace and adore.

Oh, the memories we'd make,
With sticky hands and muddy feet,
As we explored and took risks with each beat,
Of our little hearts that skipped with such a
sweet beat.

Those days are gone, but not forgotten,
As they'll forever linger in my heart's sweet gar-
den,
A place of love and joy in my soul's mansion,
A reminder of where I came from - my childhood.



Importance of Student Road Safety Education

M YAZHINI
S4 ECE

Road safety education is very much essential in today's world as road traffic is becoming increasingly busy. In old times, it was safe for your child to travel on the road without a care, but things have changed. Now there are more cars, scooters, motorbikes, buses etc. on the road.

Most of the educational institutions now organize road safety education for improving student road safety. This will contain educational activities that help you to gain more knowledge about road safety. You should give appropriate education regarding student road safety to children as well as young ones to let them be aware about road safety and the importance of learning it.

Young children have to be given activities, and should be taught about lessons on road safety as this awareness is needed for them

more importantly than we may think as they are the victims in road accidents because of lack of awareness.

Therefore, educating children about safety measures to be taken while using the roads is a crucial task, as teaching our children road safety means ensuring the safety of the future generation.

As an article published in The Hindu rightly stated that "A child who learns about traffic rules and road discipline will grow up to be a law-abiding citizen. The habit of obeying traffic rules teaches a person a sense of responsibility, empathy for others and respecting the other person's rights".

Some of the major causes of road accidents are as follows.

- ▶ Lack of highway safety

- Drunken driving
- Driving in an exhausted state for long hours
- Using cell phone while driving
- Overspeeding or rash driving
- Driving in wrong lanes
- Turning without giving signal
- Overtaking from wrong side

It can be seen that road safety is a collective responsibility. Therefore each one of us has to take steps required of us.

The government of India celebrates Road safety week from 11th to 17th of January every year. This program is aimed at raising public awareness about traffic rules and ultimately to reduce casualties due to road accidents.

The key objectives of celebrating 'National Road Safety Week' are;

- To create awareness and promote road safety in schools, colleges and to customers.
- Minimizing injuries and deaths because of road accidents by applying road safety measures including wearing seat belts and helmets.

Based on recommendations of the WHO*, following general safety tips if implemented would help make our roads safer:

1. Always drive at safe speed. Statistics indicate that for every 1% increase in mean speed, there is a 4% increase in the risk of a fatal crash.
2. Wear a helmet (of ISI standard) which is strapped on while riding a two-wheeler. Wearing a good quality helmet can reduce the risk of death by 42% and severe injury by approximately 70%.
3. Wear seat belt (both driver and passenger) to avoid injury. Wearing a seat-belt reduces the risk of injuries and deaths among front seat occupants by 45-50% and rear-seat car occupants by 25-75%.
4. Do not make children sit in front seats.

Placing children in child restraints reduces the risk of death by at least 60%, particularly for children aged less than 4 years.

5. Do not use mobile phones or other gadgets that can distract concentration while driving. Driver reaction times are 50% slower while using a telephone than without.
6. Ensure the voice level of music systems are within safe audible limits.
7. Avoid unwanted honking on the road which may distract other vehicle drivers or pedestrians.
8. Ensure your vehicle is properly serviced as per the vehicle maintenance frequency.
9. Do not drive under the influence of alcohol. Drinking and driving increase the risk of an accident dramatically when the driver has a blood-alcohol concentration (BAC) of above 0.05 g/dl.

These are some important safety measures that everyone should follow in order to stay safe and secure. Road safety is a global public health issue and must be ensured by relevant authorities. Respective governments must take necessary policy and administrative measures to ensure as well as improve safety on roads. Better infrastructure of roads with sufficient illumination should be provided in order to ensure safety. Above all, there is a need for us to be concerned about our own safety and conduct while using the road.

Thus, it is very important that students must have proper knowledge on road safety and all the rules and regulations.

SOURCES

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Back to Square One!

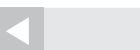
MANISHMA N M
S6 CE

Home to school, school to home; wake to sleep, sleep to wake; pre-covid to post-covid; etc, etc and etc! We are back to square one! Whatever we do, it's just another point of our daily circle. But reaching a destination makes a lot of difference when you have lost your way, right! And it's ultimately long proven that – no matter what, we will definitely be who we are and where we should be.

When we reflect on our daily life, it's the same pattern throughout isn't it? Especially for b-tech students like us, the only exciting changes are when there are special programs at our college or on our IV. Except for these, it's just class assignments, internals and semester exams. Is it happy like these? Exactly no! Approximately only 50% gets used to this. 45% adjust themselves and there is this 5% who seeks excitement or change in pattern. There is a great person who said this: "Doing a different thing doesn't matter. It is when you do a thing differently that matters." From my very own example, when I was in my higher secondary, I had to walk a long way to

my school. It takes almost half an hour to reach our school. Then we sought for shortcuts. We explored more and more routes and reached our school 10-15 minutes earlier than we used to. It doesn't mean shortcuts are always good, but somehow it makes our life easy if we use it in a good way. Technology is a very good example for a good shortcut. It helps us to do many things very easily than using the conventional methods.

We are the budding engineers and contributors to our society. So how do we contribute from our part? It's funny that I don't know. But I really believe, rather than a mere b-tech degree, it's more like an experience! What we absorb from these four years is really precious. It will either make us or wake us! So friends, how about we start to think a bit differently and take a shift from this same boring routine. Since the world is round, life goes on in a cycle and we reach home ultimately whatever we do, there is nothing to be afraid of! You will be back to square one!



College Life

Sana Fathima MA
S2 CE

Life has playful destiny
In the world of study
No one can control
On the top of the ball
All the papers were used
Real student still confused
I don't know if I'll go
Every direction of rivers flow
Leaving in this world
All written by the Lord
Quitting is not solution
Unless there's no reason
In every little things
Now value for the dreams



Move On

Nihad K Abbas
S8 CE



Sometimes Truth can be Painful
There's no escape from it,
That pain will haunt you
But eventually it will sink in,
So don't worry,
Don't worry about the days that are long gone
Don't worry about the days that are yet to come
Don't worry about the days that you wish you had
Don't worry about the days that
you wish would last
Give it some time,
In the end
Everything will be alright
Because time is the best healer that to ever exist



The Reccuring Level

RIYAN NIZAR

Part 1 – THE BEGINNING

A boy named Harry is stuck in a game... He can't actually remember anything except his name... In front of him is a room which has a switch in the middle, a monitor on top and a door in the front. Beside him is another door which is locked. There was a message displaying on the monitor which says he could walk through that door simply by turning on the switch... he had no other choice but to walk... so he turned on the switch and the door in front of him was opened... As he walks through that door, suddenly the door closes... he tried to open it but it was locked... when he turned back he was in the same place which he just walked through except the message on the monitor was different... this time the monitor gave another hint to open the door...he had no choice but to follow the instructions in the screen... he solved the puzzle and walked through next door and the same level was repeating with a different puzzle to open next door....after 10 levels he felt tired and was angry... but he had no other choice... so he continued to finish as many levels he could until he reached level 50...

After level 50 and walking through the door he saw another map instead of the same level

he was walking... he felt a little joy and was curious about what was going to happen next...so he ran out and he saw a plain ground which he thought might be another loop or something but it was not... after walking for hours he found a key and another door... he opened it and what he saw was unbelievable... it was the first door which was locked where he began the level... He thought he was lost forever in this place... but suddenly the entire place was shaking...he thought it was an earthquake... the whole place and the level was shaking and beginning to fall... after sometime the shaking was stopped... somehow he managed to survive it... but at the end it was just him and the broken room... He was so confused and angry until he heard someone crying....he walked towards the sound... and saw a girl crying silently... he was happy because he understood he was not alone...

he thought it was the end...

But it was just the beginning...

Part 2 – THE UNEXPECTED will be available on next magazine...





Travelling

Aleena Treesa A S

Travelling may differ for each people, for some people it will be only a part of their job, for some people it will be a passion to see and experience new places, people, food etc.

By travelling you get to interact with people whom you are unfamiliar with different language, culture or customs. Sometimes we will often find ourself in a situation where we need to communicate in a foreign language and also we can learn something new about other culture and share their values with us. As soon as we can realize that other cultures also have something unique to offer. Therefore travelling can improve our communication skills and knowing more about others culture.

Also have you ever looked back on your life and thought about all the unforgettable memories you have created? If not, then you probably need to try travelling more often. When you travel you often find yourself in situation that are pretty unordinary. Many of these situations are enough to make unforgettable memories that can last forever.

Travelling can help us to forget and solve troubles in our life. I will explain it with an example. During our exam time when we are studying we will take break while studying forget a relaxation and for freshen up our mind like this when we are facing a trouble in our life just take a break and go for a trip. When we return from the trip surely the problem won't change but we will change ourself and our mindset will also change. Then we will start to think positively and also find solutions or we will try to minimize the problem.

The challenges we are facing while travelling may be now we don't have the money or time for travelling. There is a fact that in life the energy, time, money these three never come to us all together and we don't know that will be happening tomorrow? right. Then how we should know what will be happening in our future? So why we should delay our happiness. Find and make some time and money for our happiness.

So travel takes us out of our comfort zone and inspires us to see, taste, try new things and make memorable memories. Travel for your happiness.

കാതൽ നേരം

Alain Krishna J. J.
S8 CE

ഇന്ന് ഫെബ്രുവരി 14,
സെക്കൻഡ് hour ബെൽ അടിച്ചപ്പോൾ ക്ലാസ്സിൽ ആകെ
ബഹളം ആയി ജനലിലൂടെ നല്ല കാറ്റ് വീശുന്നുണ്ട്,
ജനലഴികളിൽ തട്ടിത്തരിച്ചു വരുന്ന സൂര്യ രശ്മികൾ
അവളുടെ മുഖത്ത് വീണിരുന്നു.

ആ അഴികളിൽ നിന്നും അവൾ പതിയെ പുറത്ത് വന്നി
ട്ട് അവനോട് ചോദിച്ചു,
'ഒരാൾക്ക് കൊടുക്കാൻ നീ എനിക്ക് ഒരു പ്രേമ ലേഖ
നം എഴുതി തരുമോ?' എന്ന്.

മടിയോട് കൂടിയാണെങ്കിലും അവൻ പതിയെ ഒരു

പേനയും പേപ്പറും എടുത്ത് മുന്നിൽ വെച്ച് വരികൾ
ആലോചിച്ചു. നേരം കടന്ന് പോയിട്ടും അവൻ ഒരു
വരി പോലും എഴുതിയിട്ടില്ല ! ക്ഷമ നശിച്ചപ്പോൾ
അവൾ അവനോട് ചോദിച്ചു,

അവൾ : 'നിന്നോട് ഞാൻ ഒരു പ്രേമ ലേഖനം എഴു
തിത്തരാൻ പറഞ്ഞിട്ട് നീ എന്തെ ഇതുവരെ ഒന്നും
എഴുതാതെ...?'

ഒന്നും മിണ്ടാതെ ഇരുന്ന അവൻ തന്റെ കണ്ണുകൾ
പതിയെ അടച്ചു തുറന്നിട്ട് പറഞ്ഞു,

'നിനക്കല്ലാതെ മറ്റാർക്കാണ് ഞാൻ പ്രേമ ലേഖനം
എഴുതുക !'

'നിന്നോടല്ലാതെ മറ്റാരോടാണ് ഞാൻ എന്റെ പ്രണയം
പറയുക!'

'എന്റേതായ നിനക്കുവേണ്ടി മറ്റൊരു പ്രേമ ലേഖനം
എഴുതുക എന്നിൽ നിശ്ചലമാണ്!'

അവൾ'...



എന്തും

ANN MARIA JAISON
S4 ECE

എന്തും പറയാ എന്തും ചെയ്യാം
 ആരും ആരുടയും അടുത്ത് ഒന്നും
 ചോദിക്കൽ പറയാൽ
 നീ ആരാ നീ എന്ത് നീ എന്തിനാ
 ഉത്തരം ഉണ്ടോ പറയാം അല്ലെങ്കിൽ
 അലൈകിൽ എന്ത് ?
 എന്തും പറയാനുള്ള അവകാശം ഉണ്ട്
 ഉത്തരം ഇല്ലെന്നു കരുതി
 നിങ്ങളെ ഉത്തരം അല്ലട്ടോ
 എന്റെ ഉത്തരം കേട്ടിട്ട്....
 അരും ആരേയും
 പരിഹസിക്കുകയും ഇല്ല
 പരിഹസിച്ചാൽ ഒന്നേ പറയാനുള്ള
 നിങ്ങൾ പറയുന്നത് നിങ്ങളെ ഇഷ്ടം
 ഞാൻ പറയുന്നത് എന്റെ ഇഷ്ടം
 അതിൽ തലകടത്തി ആരും മുഷിയ
 ഉത്തരം ഞാൻ പറയുന്നതല്ലേ അത്
 നിങ്ങൾക്ക് നിങ്ങളെ ആവില്ല
 നിങ്ങൾക്ക് എന്ന് തോന്നിയാൽ സ്വന്തം
 സ്വന്തം ആയിരിക്കാൻ
 ആണോ ആവോ.



എന്റെ മാത്രം

ഇമ്മാനുവൽ ഇഷാൽ റോബർട്ട്
S6 ECE

പല നാളായി പറയാൻ
 ഉള്ളിൽ വിരിഞ്ഞ പൂവാണ് നീ മനസ്സിന്റെ
 കോണിൽ നോവായി മാറി നൊമ്പരമാണ്
 നീ... അറിയാതെ ആണെങ്കിൽ പോലും
 ആദ്യമായി പൂത്ത എൻ സ്നേഹമാണ്
 നീ.... വാക്കുകളാൽ നാം മിണ്ടിയില്ലെങ്കിലും
 നിന്റെ കണ്ണുകളിൽ ഞാൻ കാണുന്നു.
 നിന്റെ സ്നേഹം തമ്മിൽ നാം പൂഞ്ചിരി
 തുകിയില്ലെങ്കിലും ആ ഹൃദയത്തിന്റെ
 പൂഞ്ചിരി ഞാൻ കാണുന്നു. എങ്കിലും നിന്നെ
 കാണുമ്പോൾ എന്റെ ഹൃദയത്തിന്റെ താൾ
 എന്നോട് പറയുന്നു, എന്റെയാണ്
 നീ എന്റെ മാത്രം.



ഓർമ്മയ്ക്കായി

Aleena Biju
S8 EEE

ഒരുപാട് സ്വപ്നങ്ങൾ കൊണ്ട് ജീവിതം
തുടങ്ങിയവർ
പല വഴിക്ക് വന്ന് കൂടി ചേർന്നവർ,
ഒരുമിച്ച് നടന്നവർ,
ഒരുമിച്ച് ജീവിതത്തിൽ വലിയ പങ്ക്
വഹിച്ചവർ കലാലയ ജീവിതം
ഏഴ് നിറമുള്ള മഴവില്ല് പോലെ
നാല് കൊല്ലം, ഒന്നിച്ച് നിറം ചാലിച്ച് ചേർത്തവർ...
വിട വാങ്ങലിന്റെ അത്യുഷ്ണതയിലും,
തണലായി ഓർമകൾ മെനഞ്ഞവർ,
കളിച്ച് ചിരിച്ച് സന്തോഷിച്ചതും,
കരഞ്ഞും, പരിഭവിച്ചും പിന്നിട്ടതും,
എല്ലാം നമ്മൾ തീർത്ത നമ്മുടെ
കലാലയ ലോകത്തിലെ ഓർമകൾ മാത്രം,
പിന്നിട് എന്നോ ഓർത്ത് ചിരിക്കാൻ
ഉള്ള കൊച്ചു ഓർമകൾ മാത്രം...



പ്രതീക്ഷ

Nihad K Abbas
S8 CE

വഴിനീളെ വെയിൽ മരങ്ങളായിരുന്നു എന്നും.
എന്നിട്ടും,
സ്വച്ഛമായൊരാകാശം സ്വപ്നം കണ്ട്
നാളെയിലേക്ക്
ഞാനെൻ്റെ ചിറക് കൂടയുന്നു...
അങ്ങനെ,
എന്നിൽ കടം കൊണ്ട വാക്കിൽ നിന്ന്
ഞാനൊരു സ്വർഗ്ഗം വരച്ചിടുന്നു...
സ്വച്ഛമായൊരാകാശത്തിൽ ചിറകുവീശിപ്പറക്കുന്ന
ഒരു പക്ഷിയുടെ സ്വർഗ്ഗം...



മോഹം

Rajath Vishnu R
S6 ME

സ്വപ്നങ്ങൾ തീർത്ത മനസ്സിന്റെയോരത്ത്
നിന്റെ മോഹങ്ങൾ മഴയായ് പെയ്തിറങ്ങി.
തോരാത്ത മഴയിലും അലയടിച്ച കാറ്റിൽ നിന്റെ പ്ര
ണയം എന്നെയും പിന്തുടർന്നു...
ആർത്തിരമ്പി കടലിന്നോളങ്ങൾ പോലെ എന്റെ ജീവി
തം ഒരു തീരം തേടിയലഞ്ഞു.
തെളിയാത്ത സ്വപ്നങ്ങൾ ബാക്കിയാക്കി പേമാരി
പിന്നെയും പെയ്തു തോർന്നു.
മൗനമായ് ഞാൻ മെല്ലെ വിടവാങ്ങവേ
പിന്നിലായി കൊഴിഞ്ഞ വാകപ്പുകളിൽ നിന്റെ മിഴി
വാർന്ന കാലവുമെന്തിനോ
വീണ്ടും മഴയുതിർത്തുകൊണ്ടിരുന്നു...
ഇടമുറിയാതെ പെയ്ത മഴത്തുള്ളികൾ ചുണ്ടോടു
ചേർത്ത് ഞാനും നനഞ്ഞു...
ആരോ നീട്ടിയ മഴവില്ലിൻ ചാരത്ത് നിറം ചാർത്തിയ

സ്വപ്നങ്ങൾ തേടി ഞാനെന്തിനോ വീണ്ടും
കാത്തിരുന്നു...
വിടരാൻ വിതുമ്പിയ പൂക്കളെപ്പോലെ മോഹങ്ങൾ
അസ്തമിച്ച വാനം നോക്കി എട്ടു ദിക്കും
പൊട്ടുമാറുച്ചത്തിൽ
എങ്ങലോടെ ഞാനലറി വിളിച്ചു...
തൊണ്ടയിടറി തളർന്നു വീണിട്ടും
ദൂരെ ചെവിയോർത്ത് നിന്നിട്ടും
ശബ്ദം നിലച്ചിട്ടും ആരും വിളി കേട്ടില്ല...
പ്രതിധാനികൾക്കുള്ളിൽ കുരുങ്ങി മുന്നോട്ട്
കുതിക്കാനാവതെ കാലവും ഒരു നിമിഷം
സ്തംഭിച്ചു പോയിരിക്കാം...



വേർപാട്

Sibin P
S8 ME

പിരിയുവാൻ നേരമായ്
അകലുന്നസ്വപ്നത്തിൻ
അകലങ്ങളിൽ ഞാൻ ഏകനായി
അകലുന്ന പ്രണയിനി
നിന്നെ ഞാൻ എനിലെ
ഹൃദയത്തിൻ തന്ത്രയിൽ
ചേർത്തു നിർത്താം
എരിയുന്ന വേനലിൽ പുലരുന്ന
സൂര്യന്റെ കിരണങ്ങളാൽ
ഞാൻ മാല കോർക്കാം
അകലാതെ മറയാതെ
ജീവിതയാത്രയിൽ എൻ അരികത്ത്
നീ വേണം എൻ സഖിയെ.



മോഹം

Sanjana Valsaraj
S8 EEE

തിരികെ നടക്കുവാൻ മോഹം,വീണ്ടും
തിരികെ മടങ്ങുവാൻ മോഹം
തിരികെ വരാത്തതാം പോയകാലങ്ങളെ തിരികെ
പുൽകുവാൻ മോഹം...

തിരി നീട്ടി നിൽക്കുന്ന ചിരകാലസ്മൃതികളിൽ
തിരയുന്നു മധുരമാം ബാല്യം
തിരികെ വരില്ലയാ കാലമെന്നോർക്കവെ തിളങ്ങുന്നു
മിഴികളിൽ ഒരു മഞ്ഞുനീർമണി....

തീരം തേടുന്നോരി ജന്മയാത്രയിൽ തിരകളായ്
ചിതറുന്ന സ്വപ്നങ്ങളിൽ
തിരിഞ്ഞൊന്നു നോക്കുമ്പോൾ കാണുന്നു
ദൂരെ തിരികെ വിളിക്കുന്ന ഓളങ്ങൾ, ഓർമ്മകൾ....

തീക്ഷണമാം അനുഭവചുളയിൽ നീറും തീക്കനൽ
ഹൃദയത്തിൻ നോവാരറുവാൻ തീർത്ഥമായ്
കിനിയുന്നു മനസ്സിനുള്ളിൽ
തിരികെ വരാത്തതാം കുളിരോർമ്മകൾ...

തീരവ്യഥകളും ജീവിതഭാരവും
തീക്കനൽ ഏകാന്തദുഃഖങ്ങളും
തീയിൽ എരിക്കണം, മോക്ഷം വരിക്കണം
തിരികെ ഈ മണ്ണിൽ ശിശുവായ് പിറക്കണം...





परपकार की भावना

एक गुरुकल मे बहुत सारे बच्चे पढ़ते थे। वो अपनी सकिषा बहुत अच्छे से लय रहे थे। ऐसे करते – करते उनकी सकिषा सम्पूर्ण हो गयी। उनके जाने के एक दनि पहले उनके गुरु जी ने सभी बच्चो को अपने पास बुलाया।

गुरु जी ने कहा – बच्चो आप सभी ने बहुत अच्छे से सकिषा ली। कल आप सब का जाने का दनि है। परंतु मैं चाहता हु कि आप सब एक अंतमि परीक्षा दे। सभी बच्चो ने एक दम पूछा – कैसी परीक्षा गुरु जी ?

गुरु जी बोले – बच्चो परीक्षा बहुत साधारण है। आप सभी को दौड़ लगानी है। यह सुनकर सभी बच्चे बहुत खुश हुए और खुशी – खुशी सभी बच्चे दौड़ के लरि मान भी गये।

अगले दनि गुरु जी ने समझाया कि बच्चो आप सभी को एक साथ दौड़ना होगा। इस दौड़ मे आपको कूदना भी पड सकता परंतु घबराना नहीं। आखरि मे एक सुरंग आगी – जसि मे आपको बहुत सारे पथर भी मलिंगे। वो आप पर नरिबर करेगा कि आप उस रस्ते को कैसे पार करते हो।

दौड़ शुरु हो गयी। सभी बच्चे एक साथ दौड़ रहे थे। मगर जब सुरंग आयी सभी बच्चे अलग – अलग हो गये। कहने का मतलब कोई बच्चा सुरंग से पहले बाहर आया तो कोई बाद मे और कुछ बच्चे तो अभी भी उस सुरंग के अंदर थे।

सभी बच्चो के बाहर आने के बाद गुरु जी बोले – बच्चो, कैसी रही आपकी दौड़ ?

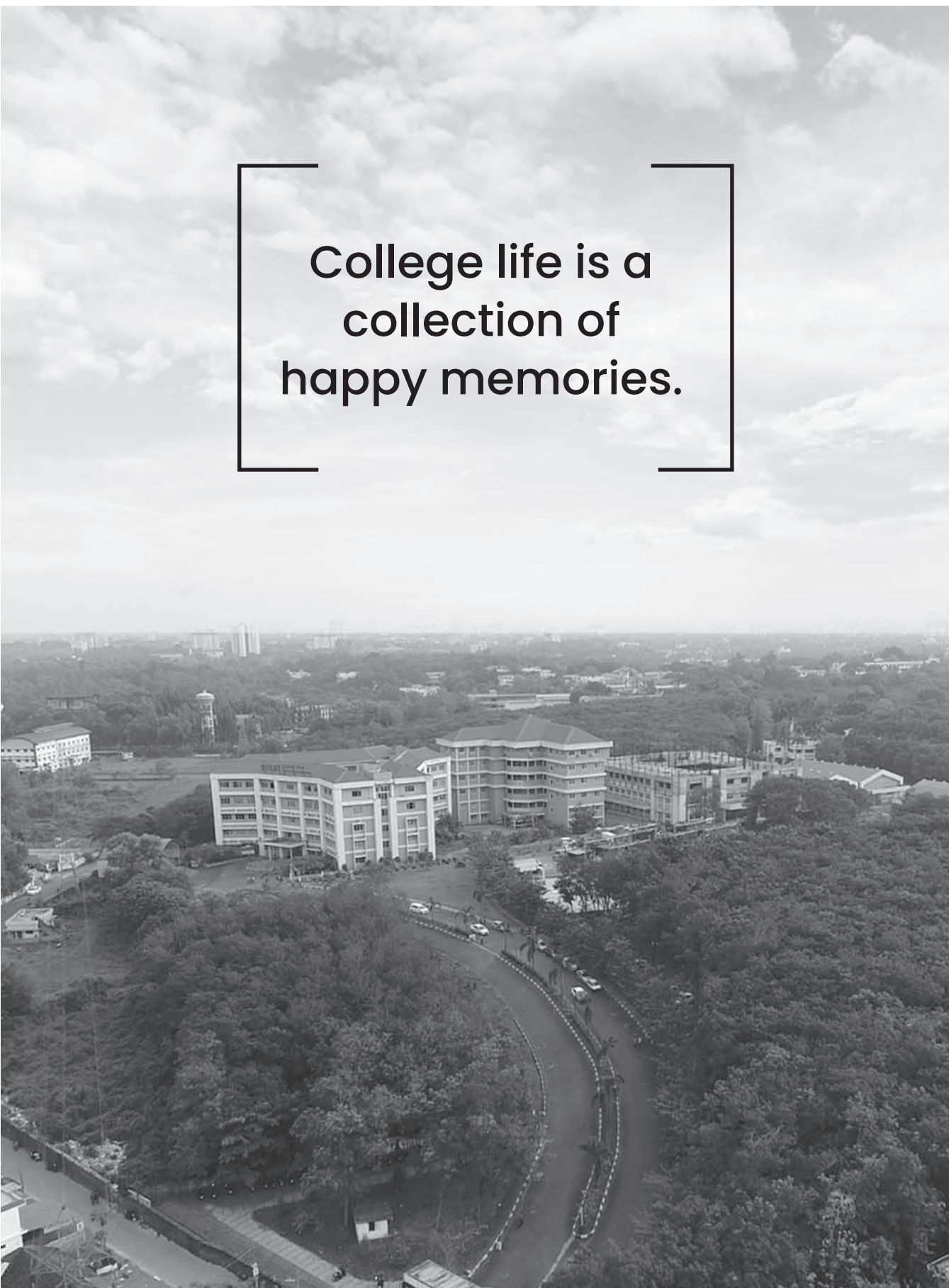
कुछ बच्चे बड़ी खुशी से बोले – बहुत अच्छी गुरु जी और हम ही पहले आए। तभी गुरु जी ने पूछा ऐसा क्यू हुआ कि कोई पहले आया तो कोई बाद मे आया जबकि रस्ता सब के एक ही था।

तभी एक बच्चा खड़ा हो कर बोला – गुरु जी वो पहले तो हम सब एक साथ ही दौड़ रहे थे परंतु जब सुरंग आयी तब हम सब आगे – पीछे हो गये। गुरु जी ने पूछा ऐसा क्यू हुआ ? बच्चे ने जबाब दिया वो गुरु जी सुरंग मे बहुत अंधेरा था। कुछ भी दिखाई नहीं दे रहा था।

वहा पर बहुत से पथर भी पड़े थे। कुछ उसको उठा के एक तरफ करने लग गये ताकि उनसे बच के निकला जा सके। कुछ ऐसे ही चले जा रहे थे और कुछ पथरों को उठाकर अपनी जेब मे डाल रहे थे ताकि किसी और को चोट न लगे। इसी चक्र मे सब आगे – पीछे हो गये।

अब गुरु जी ने बोलना शुरु किया और कहा – वो बच्चे आगे आ जाए जसिने वो पथर उठा कर अपनी जेब मे डाला। वो सब बच्चे आगे आ गये। गुरु जी ने कहा – अब अपनी जेब से वो पथर निकाल कर मुझे दिखाओ। बच्चो ने अपनी जेब से पथर निकाले तो सब आश्चर्य जनक रह गये और देखा कि वो पथर नहीं कीमती हीरे थे। गुरु जी ने कहा – बच्चो, यह आपकी परपकारी का एनाम है क्यूकि आप ने दौड़ के साथ दूसरे लोगो के बारे मे भी सोचा कि उनको कोई नुकसान न पुंहचे।

**College life is a
collection of
happy memories.**



PHOTOGRAPHY

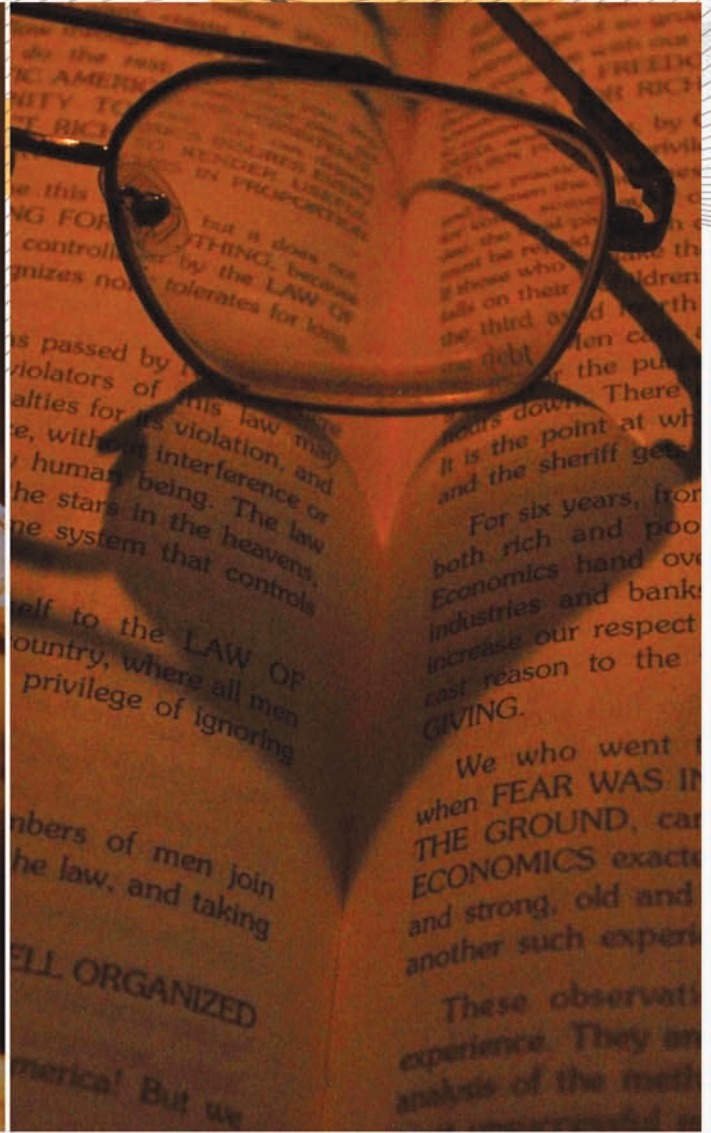




Adarsh Shaji, S8 CSE



Adarsh Shaji, S8 CSE



Aby Apachankutty, S4 ME



Adarsh Shaji, S8 CSE



Agnes Vismaya, S4 ECE



Ajai Murali Kayol K R, S8 ME



Ajai Murali Kayol K R
S8 ME



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S4 ME



Amal V. Koshy
S4 EEE



Anjana Tojan
S4 Ece



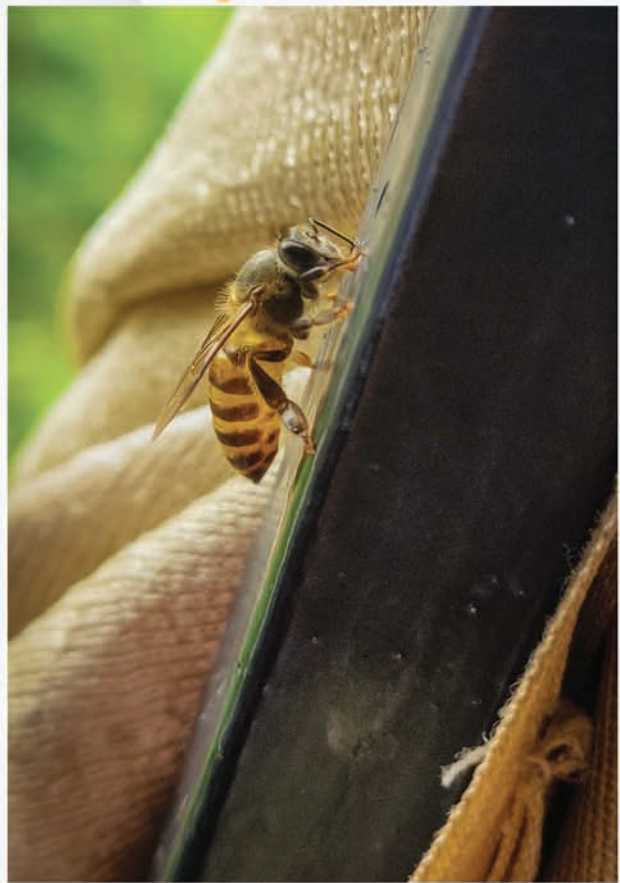
Arjun Bibin
S4 ECE



Edgar Antony Prince, S2 CSE



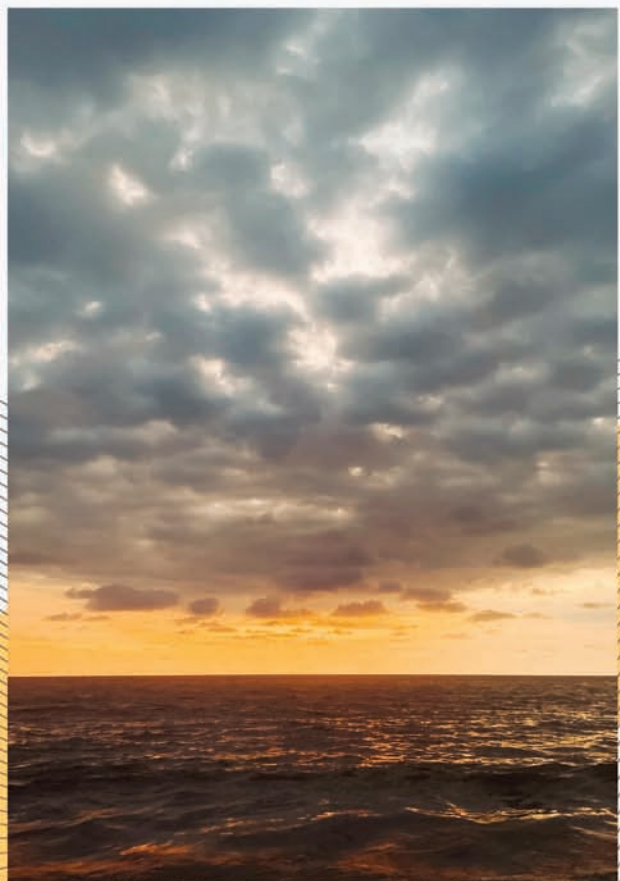
Emmanuel George Siby, S8 ME



George Richard, S8 ECE



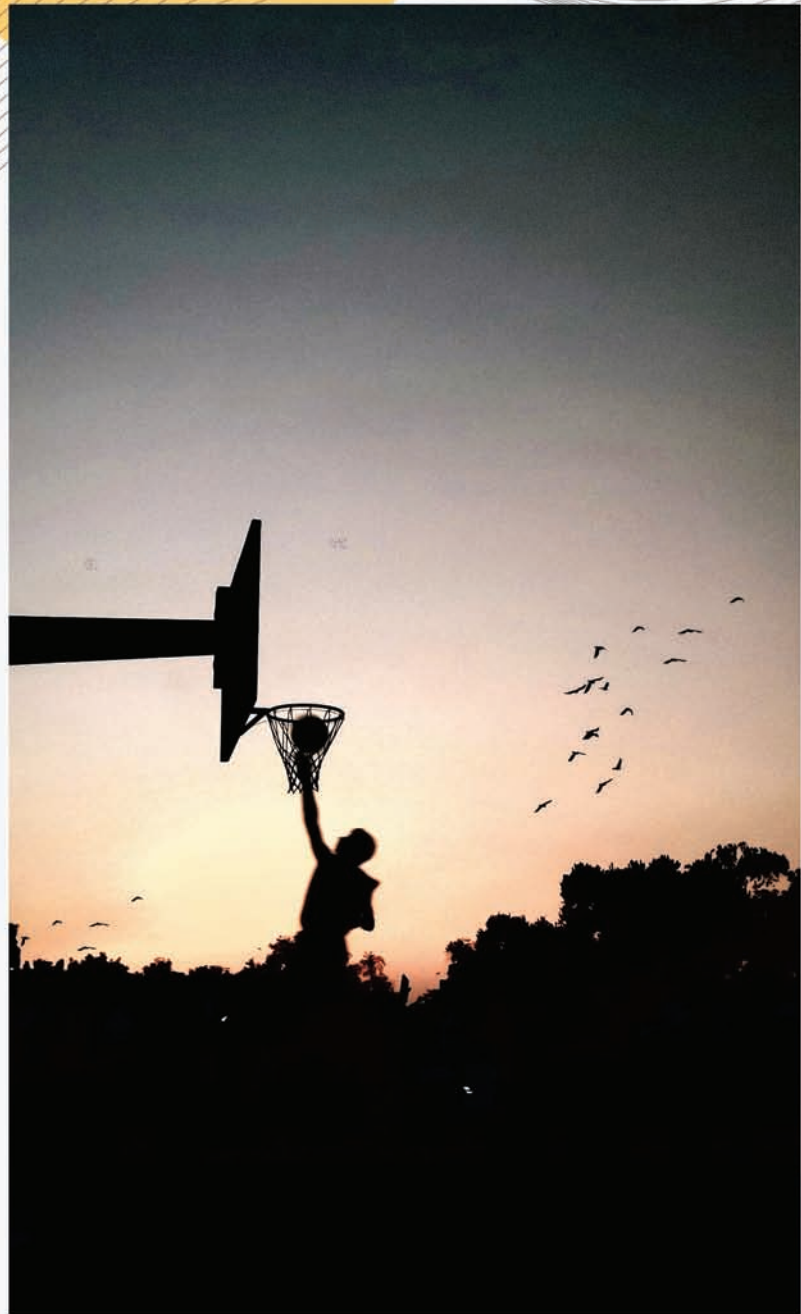
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Stephin David, S8 CSE



Stephin David, S8 CSE



AVIN THANKACHAN K
S4



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S8 CIVIL



ALNA SHINE CE
S2



ALNA SHINE
S3 CE



ALNA SHINE CE
S2



ALPHIN PAULOSE P.
S4 ECE



ANAMIKA SUNIL S K
S2 CSE



ANAMIKA SUNIL S K
S2 CSE



ANAMIKA SUNIL S K
S2 CSE



ANAMIKA K S
S2 CSE

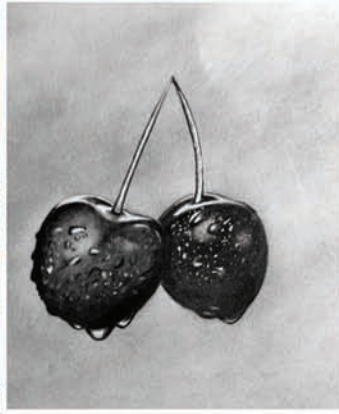


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ANGELEENA JOHNY
S2 ECE



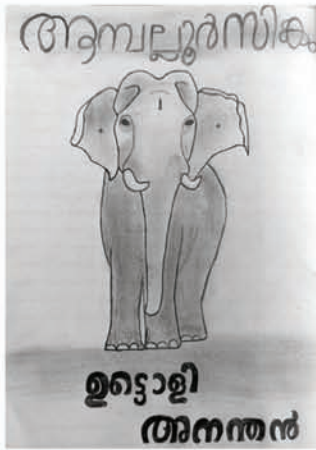
ANGELEENA JOHNY
S2 ECE



ANGELEENA JOHNY
S2 ECE



ANNA ROSE
S2 CE



ANTONY SOORYA
S6 ME



ARJUN SANIL
S6 ME



ARJUN SANIL
S6 ME



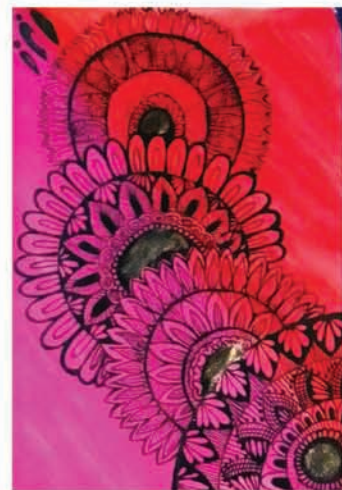
ASHISH



KENN XAVIER
S4 ME



MARY KESIYA KM
S6 EEE



MARY KESIYA KM
S6 EEE

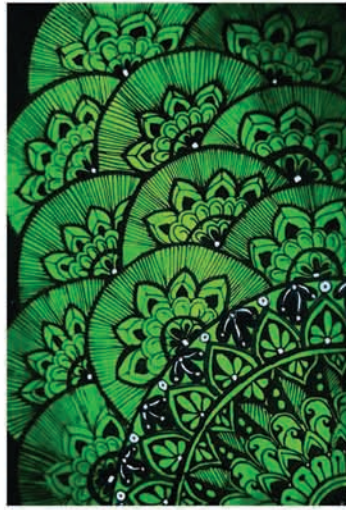


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MARY KESIYA K.M.
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MARY KESIYA K.M.
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MARY KESIYA K.M.
S6 EEE



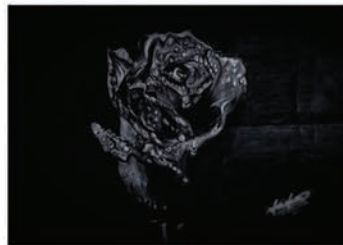
MIDHUN P. S.
S4 ECE



NANDANA R.
S2 CE



NANDANA R.
S2 CE



NANDANA R.
S2 CE



NIHALA SIYAD
S2 CE



NILA CHANDHANA
S2 CSE



RAHNA P.S.
S2 CSE



Raina Serin
S8 CE





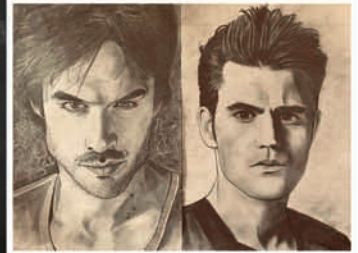
RINOY VARGHESE
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RINOY VARGHESE
S8 ECE



SANFIN ANTONY
S8 ECE



SANFIN ANTONY
S8 ECE



SANIA RAJEEV
S2 ECE



SHANA USMAN A.U.
S2 ECE



SHILNA JOY
S2 CE



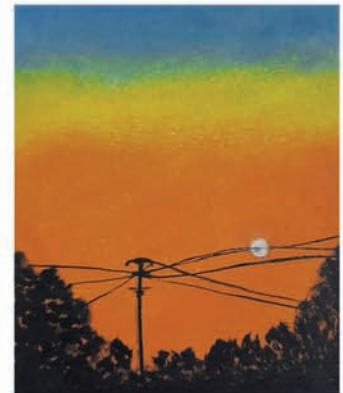
SHILNA JOY
S2 CE



SHILNA JOY
S2 CE



SIVAPRIYA V.S.
S2 CE



SHILNA JOY
S2 CE



GROUP PHOTOS



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“

Today's little moments become tomorrow's precious memories.





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